# Office of the District Magistrate, Muzaffarnagar

From : City Magistrate Muzaffarnagar

To,

The Registrar
National Green Tribunal
Principal Bench
New Delhi.
E-mail: judicial-ngt@gov.in

Ref. No. :28/0A No. 540/Niromaya/2024

Dated: 04.4.2024

Sub.-Final Report in Compliance to the direction issued by Hon'ble National Green Tribunal on 12.09.2023 and 12.12.2023 in O.A. No. 540/2023 Niramaya Jan Utthan Sansthan Vs State of Uttar Pradesh & Ors.

Sir,

With reference to the subject mentioned above kindly find enclosed herewith the Joint Committee Final Report in compliance of the order issued on 12.09.2023 and 12.12.2023 by Hon'ble National Green Tribunal in O.A. No. 540/2023 Niramaya Jan Utthan Sansthan Vs State of Uttar Pradesh & Ors. Encl.: As above.

Yours faithfully

(Vikas Kashyap) City Magistrate Muzaffarnagar

# Copy to:

- 1. Member Secretary, Central Pollution Control Board, New Delhi for information.
- 2. Member Secretary, U.P. Pollution Control Board, Lucknow for information.

3. District Magistrate, Muzaffarnagar for information.

4. Shri Pradeep Mishra, Advocate, Hon'ble Supreme Court/NGT, New Delhi for perusal and necessary action.

5. Chief Law Officer, U.P. Pollution Control Board, Lucknow for information.

6. Chief Environmental Officer (Circle-3), U.P. Pollution Control Board, Lucknow for information.

City Magistrate
Muzaffarnagar

# Joint Monitoring Report

on

Industrial Clusters of Muzaffarnagar, Uttar Pradesh (27<sup>th</sup> December 2023 – 17<sup>th</sup> January 2024)

In the matter of

Niramaya Jan Utthan Sansthan

Vs.

State of Uttar Pradesh & Ors.

[O.A. NO. 540/2023]

-Prepared by-The Joint Committee of MoEF&CC, CPCB, UPPCB, UPGWD and District Administrations of Muzaffarnagar

> Constituted by Hon'ble National Green Tribunal (Order dated 12.09.2023 & 12.12.2023)

# **Contents**

Bac	ckground	5
4. F	Hon'ble NGT Order	5
B. I	ssues raised in petition	6
Join	nt Committee Constitution and Field Visit	7
Joi	nt survey of Muzaffarnagar industrial area and its surrounding	9
4. I	ndustrial cluster	9
I.	Bhopa Road	9
II.	Jolly Road	11
III.	Jansath Road	13
IV.	Vahelna Road	15
V.	Begrajpur	17
B. S	Sector-wise industrial report	21
I.	Details of industry visit	21
II.	Observations & Findings	41
III.	Major Issues	49
С. Г	Orain	50
I.	Dhandera and Jat Mujhera drain system	50
II.	Vahelna Drain	51
III.	Observation	53
D. <b>\</b>	Villages and Groundwater	54
I.	Analysis of Groundwater Quality Index, Total hardness and Total dissolve	ed solids55
II.	Analysis of heavy metals in groundwater samples	57
III.	Other observations	58
Red	commendations	60
4. I	ndustry	60
I.	Pulp & Paper industries	
	A. I Joi Joi A. I I. II. IV. V. B. S I. III. III. C. I II. III. C. I II. III. A. I	I. Bhopa Road  II. Jolly Road  III. Jansath Road  IV. Vahelna Road  V. Begrajpur  B. Sector-wise industrial report  I. Details of industry visit  II. Observations & Findings  III. Major Issues  C. Drain  I. Dhandera and Jat Mujhera drain system  II. Vahelna Drain  III. Observation  O. Villages and Groundwater  I. Analysis of Groundwater Quality Index, Total hardness and Total dissolve  III. Other observations  Recommendations  A. Industry

II.	Other industries	61
III.	Begrajpur Industrial Area	62
IV.	Action Plan for Non-paper solid waste namely, Plastic Waste, Boiler Ash	, ETP
Sludg	ge and surface drain	63
B. Dra	ain	65
C. Ac	tion Plan	70
I. I	Major violation/ activities requiring immediate action	70
II.	Trivial violation/activities requiring technological intervention	72

# **List of Tables**

Table 1: General details and compliance status of industries inspected by joint committee22
Table 2: Details of production, freshwater consumption, effluent discharge and solid waste
management31
Table 3: Notified discharge norms under E(P) Rules, 1986 for Pulp & Paper industries based
on scale of production
Table 4: Category wise benchmark for specific freshwater consumption & specific effluent
dischharge in Pulp & Paper industries
Table 5: Category wise Specific freshwater consumption and discharge values in Pulp & paper
industries in Muzaffarnagar, before and after Charter implementation in year 201543
Table 6: Category wise details of actual specific freshwater consumption, specific effluent
discharge and raw effluent characteristics
Table 7 Dhandhera drain and Impact of Industries along the drain51
Table 8 Jat Mujhera drain and Impact of Industries along the drain
Table 9 Groundwater Quality Index55
Table 10 Water Quality Classification based on Total hardness
Table 11 Water Quality Classification based on TDS57
Table 12 Details of possible location for setting up Constructed Wetland Systems (CWS)66

# **List of Figures**

Figure 1 Location map showing industrial cluster located on Bhopa Road & recipient drain	ıs
along with villages in the vicinity	.9
Figure 2 Location map showing industrial cluster located on Jolly Road & recipient drain	ıs
along with villages in the vicinity1	1
Figure 3 Plastic waste dumping site located on Jolly Road	2
Figure 4 Location map showing industrial cluster located on Jansath Road & recipient drain	1S
along with villages in the vicinity1	4
Figure 5 Location map showing industrial cluster located on Vahelna Road & recipient drain	1S
along with villages in the vicinity1	6
Figure 6 Industrial Area of Begrajpur, Muzaffarnagar1	8
Figure 7 Satellite map of Industrial area Begrajpur1	8
Figure 8 Spatial distribution of industries along with recipient drains2	21
Figure 9 Map of Dhandera Drain System5	51
Figure 10 Sampling locations of groundwater in Muzaffarnagar district (Uttar Pradesh)5	54
Figure 11 Catchment area of drains showing possible locations for setting up CWS6	58
Figure 12 Schematic layout of Constructed Wetland System6	58
Figure 13 Native flora for CWS in Dhandhera and Jat Mujhera drain system6	59

Report in compliance to Hon'ble NGT Orders dated 12.09.2023 & 12.12.2023 in OA No. 540/2023 in the matter of Niramaya Jan Utthan Sansthan Vs. State of Uttar Pradesh & Ors.

# 1. Background

This report is in compliance to Hon'ble NGT orders dated 12.09.2023 & 12.12.2023 in OA No. 540/2023 in the matter of Niramaya Jan Utthan Sansthan Vs. State of Uttar Pradesh & Ors.

#### A. Hon'ble NGT Order

The Hon'ble NGT considered the matter on 12.09.2023. The verbatim of the relevant para of the order dated 12.09.2023 is reproduced below:

- "2. In view of the allegation made in the application, we deem it proper to appoint a joint Committee comprising of Director deputed by Member Secretary, Central Pollution Control Board, Ground Water Department, Uttar Pradesh, Member Secretary, State Pollution Control Board, Integrated Regional Office, MoEF&CC, Lucknow and District Magistrate. The District Magistrate will act as nodal agency to coordinate between the Committee Members. The Committee will visit the site, collect samples, get the analysis done and also find out the extent, if any, of the pollution caused by these industries and their effect on the environment and health of the local residents. The Committee will submit the report within eight weeks by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF.
- **3.** The Committee will also serve the copy of the report to the respondent nos. 3 to 39 who will have an opportunity to file the response before the Tribunal on the next date, if any adverse is found by the Committee against them."

In compliance of Hon'ble NGT order dated 12.09.2023 & 12.12.2023, the Joint Committee was constituted having representative from MoEF&CC, CPCB, Uttar Pradesh Pollution Control Board (UPPCB), Uttar Pradesh Groundwater Department (UPGWD) and District Administration Muzaffarnagar.

#### **B.** Issues raised in petition

- a. The petitioner put allegations on the Respondents including 37 industries in District Muzaffarnagar, Uttar Pradesh for generating polluting substances which are affecting the composition of atmosphere, soil and water; and that, the villagers are dying due to various diseases.
- b. The petitioner brought attention to the following issues faced by the residents of the villages located in nearby areas of the respondent industries:
  - i. Health impacts on the villagers due to high level of Sulphur in air and water leading to major diseases,
  - ii. Salinization of land,
  - iii. Formation of sewage pools,
  - iv. Release of smoke/ ash by industries directly in the air and discharge of untreated effluent by industries in drains,
  - v. Industries operating without Consent to Operate (CTO) and Consent to Establish (CTE),
  - vi. Solid & hazardous waste deposit on open lands,
  - vii. Presence of bacteria and total hardness, alkalinity & calcium i.e., more than desirable limit in groundwater samples,
  - viii. Industries are extracting groundwater without No Objection Certificate (NOC) from groundwater department,
  - ix. Level of ground water considerably going down every year causing water scarcity for flora and fauna.
  - x. Environmental and Helth issues in 23 Villages (Niraana, Bhikki, Bilaspur, Dhandera, Bhandura, Jatmujheda, Sikheda, Sandhawli, Makhiyali, Chandpur, Tigri, Kasampura, Nagla Buzurg/Naya Gaon, Bahadarpur, Charthwal, Bahedi Village, Tisang, Jansath, Maqsoodabad, Dahkhedi, Jaroda, Vehelna, and Shernagar) of Muzaffarnagar, UP.
  - xi. Six major recipient drains in the industrial clusters of Bhopa road, Jolly road, Jansath road, Vehalna and Begrajpur; carrying industrial wastewater

#### 2. Joint Committee Constitution and Field Visit

In compliance to Hon'ble NGT orders dated 12.09.2023 & 12.12.2023 in OA No. 540/2023 in the matter of Niramaya Jan Utthan Sansthan Vs. State of Uttar Pradesh & Ors. Joint Committee constituted comprises of Dr AK Vidyarthi, Director and Divisional Head, WQM-II, Central Pollution Control Board; Shri Ankit Singh, Regional Officer, Muzaffarnagar, UPPCB; Shri Ashish Kumar Singh Choudhary, Hydrologist, UP Ground Water Department; Dr AK Gupta, Additional Director, Scientist-E, MoEF&CC - Regional Office, Lucknow and Shri Vikash Kashyap, City Magistrate, Muzaffarnagar (Nodal Officer). Joint teams carried out inspection and survey Muzaffarnagar Industries as listed under O.A. 540/2023 and its surrounding areas during 27<sup>th</sup> December 2023 – 17<sup>th</sup> January 2024.

The petition included list of 37 nos. of industrial units, which was verified by UPPCB. After verification, UPPCB provided a list of 32 industrial units. The joint committee carried out inspection/monitoring of these 32 industrial units on surprise basis.

The joint committee carried out inspections/monitoring in five rounds i.e., on Dec 27-28, 2023, Jan 03-04,2024, Jan 11-12, 2024, Jan 16-17, 2024 and Jan 29-30, 2024 as below:

- i Inspection of 32 industrial units as per the list provided by UPPCB to investigate pollution issues i.e., plastic waste management, boiler ash management and effluent system management;
- ii Survey of 23 nos. of villages (as mentioned in the petition) for surface/groundwater and drain monitoring;
- iii Monitoring of 06 no. of major recipient drains in the industrial clusters of Bhopa road, Jolly road, Jansath road, Vahelna and Begrajpur;
- iv Stack monitoring of 32 industrial units and ambient air quality monitoring in the industrial clusters of Bhopa road, Jolly road, Jansath road, Vahelna and Begrajpur.

The joint team conducted inspection of various aspects, including the industrial processes, safety management measures, and water consumption patterns within the manufacturing processes. Additionally, the team collected samples and gathered information on following:

- a Verification of legal documents required to operate the industrial unit;
- b Collection of samples from ETP Inlet, Outlet & Aeration tank for compliance verification:
- c Collection of secondary data such as logbooks of raw material consumption, production, freshwater abstraction & consumption, effluent generation, reused & discharge, details of effluent management scheme, etc.
- d Monitoring of recipient drain i.e., upstream and downstream of the industrial unit;
- e Assessment of Groundwater withdrawal/fresh water consumption, groundwater quality and effluent management;
- f Assessment of waste disposal practices i.e., hazardous waste, plastic waste;
- g Ash management i.e., ash generation and disposal; and
- h Stack emission monitoring of industrial units for analysis of emission quality.

- i Ambient air quality monitoring in major industrial clusters of Bhopa road, Jolly road, Jansath road, Vahelna and Begrajpur
- j Survey and monitoring of surface/ground water in affected villages & drains as mentioned in the petition

### 3. Joint survey of Muzaffarnagar industrial area and its surrounding

#### A. Industrial cluster

## I. Bhopa Road

### a. Geographical attributes of Bhopa Road industrial cluster

Bhopa Road, situated in the Muzaffarnagar district, is ~14 Kms long which connects Muzaffarnagar city with Bhopa village and passes through the villages Makhiyali, Jat Mujhera and Kasampura. An industrial cluster (~area-1.7 Km²) is located between 29°28'6.32"-29°28'19.02" N and 77°44'19.40"-77°48'29.80" E, in the stretch of ~6.76 Kms of the road. The list of fourteen industrial units provided by UPPCB were inspected by the committee. These fourteen units lies between 29°27'-29°28' N, 77°44'-77°48' E and comprises of pulp & paper industries. Among these units, eight are located on the left-hand side of Bhopa Road (when moving from Makhiyali towards Bhopa village), while the remaining six are located on the right-hand side. Also, seven villages mentioned in the petition, namely Makhiyali, Jat Mujhera, Chandpur, Tigri, Kasampura, Nangala Buzurg and Bhandura, are situated in the radius of ~4.5 Kms to the industrial cluster. The geographical layout of the industrial cluster on Bhopa Road, as well as the recipient drains (Dhandera and Jat Mujhera) and neighbouring villages, is illustrated in **Figure 1**.

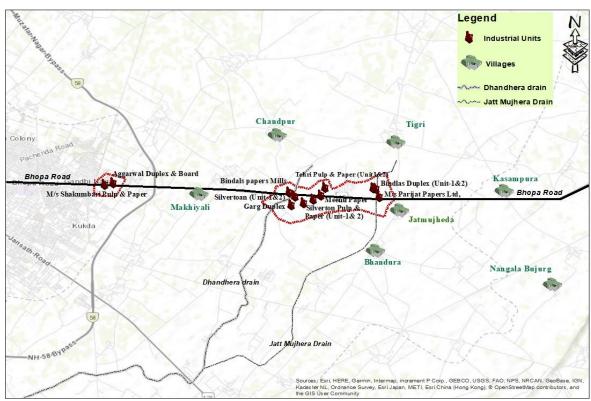


Figure 1 Location map showing industrial cluster located on Bhopa Road & recipient drains along with villages in the vicinity

## b. Industrial pollution at Bhopa Road

All 14 units located at Bhopa Road were operational during inspection. Out of fourteen units, one unit operates on ZLD system, while the remaining thirteen have permission to discharge effluents. Out of fourteen units, eleven units were non-complying w.r.t. effluent discharge

norms. These units discharge partially treated effluent of about 12.02 MLD into the recipient drains of Bhopa Road industrial cluster i.e. Dhandera and Jat Mujhera drain.

Solid waste generated by the industrial cluster comprises of ETP sludge, boiler ash and plastic waste. The collective estimated generation of ETP sludge was approximately 21.7 MT/day, boiler ash was 476 MT/day and plastic waste was 69.79 MT/day. ETP sludge generated by the cluster is either sent to TSDF (Bharat Oil & Waste Management Ltd. & M/s Sheetala Waste Management Project, Dist. Bulandshahar, U.P.) or sent to sun-dried board manufacturing units or reused in manufacturing process or utilized as fuel in boilers along with coal and bagasse. Boiler ash is either sent to brick & cement manufacturing companies or disposed off in low lying areas, and plastic waste is either sent to waste to energy plants (WEPs) installed by M/s K K Duplex and Paper Mills Pvt. Ltd., Jansath Road (28.47 MT/day) & M/s Silvertoan Papers Ltd., Bhopa Road (16.07 MT/day) or to other plastic waste processing/recycling companies (25.28 MT/day). As per Plastic Waste Management (Amendment) Rules, 2022, Section 14, subsection 14.1-14.4, any industry which generate plastic waste can handover to Producers, Importers & Brand-Owners or third-party agencies acting on their behalf with a view to their treatment and recycling or their identified end use. For disposal, plastic waste from industrial cluster of Bhopa road, is sent to four plastic waste recycler agencies (M/s Harshit Trading Company, M/s Nuvoco Vistas Corporation Ltd., M/s Tirupati Balaji Fibers and M/s Suraj Plastic Company) granted CTO by SPCBs, to manufacture/produce shredded plastic, plastic granules and cement manufacturing. Out of four agencies mentioned, three are registered under EPR whereas one agency, namely M/s Harshit Trading Company is not registered in EPR. Hence, it can be inferred that the plastic waste processing/recycling agencies are scientifically managing the plastic waste of the cluster. However, the end use of disposal of plastic waste by plastic waste processing/recycling agencies could not be verified.

#### c. Characteristics of recipient drains on Bhopa Road

Two drains, namely Dhandera drain and Jat Mujhera drain passes through Bhopa Road. Dhandera drain, originating near Bhopa Road, was monitored at three locations on Bhopa Road and BOD & COD in the drain ranged as 38-124.5 mg/l and 162-341 mg/l, respectively. Jat Mujhera drain, also originating near Bhopa Road, was monitored at two locations on Bhopa Road and BOD & COD in the drain ranged as 42-1057 mg/l and 258-2572 mg/l, respectively. Both these drains carry partially treated/untreated effluent from pulp & paper industries operating in Bhopa Road cluster.

### d. Groundwater quality at Bhopa Road

A total of ten groundwater samples were collected from the industrial premises. The groundwater quality was meeting the drinking water standards (IS 10500:2012).

### e. Stack and ambient air quality monitoring at Bhopa Road

All fourteen units were found complying w.r.t. stack emission norms. Ambient air quality was also monitored at two locations namely, M/s Parijat Paper Mills Ltd. and M/s Agarwal Duplex Board Mills Ltd. PM<sub>10</sub> varied as 176.1-264.8 mg/m<sup>3</sup> and PM<sub>2.5</sub> varied as 95.7-164.58 mg/m<sup>3</sup>.

The concentration of  $PM_{10}$  and  $PM_{2.5}$  exceeded the National Ambient Air Quality Standards (notification dated 18/11/2009) by 43.2-62.2 % and 37.3-63.5%, respectively.

## II. Jolly Road

#### a. Geographical attributes of Jolly Road industrial cluster

Jolly Road, situated in the Muzaffarnagar district, is ~12 Kms long which connects Muzaffarnagar city with Jauli village and passes through the villages Bilaspur, Sikhreda and Mirzatilla. An industrial cluster (~area-4.95 Km²) is located between 29°26'23.9"-29°26'37.7" N and 77°46'9.22"-77°47'14.39" E, in the stretch of ~1.5 Kms of the road. The list of five industrial units provided by UPPCB were inspected by the committee. These five units lies between 29°25'-29°26' N, 77°46'-77°47' E and comprises of 3 pulp & paper, 1 distillery and 1 bottling unit. Among these units, one is located on the left-hand side of Jolly Road (when moving from Bilaspur towards Jauli village), while the remaining four are located on the right-hand side. Also, two villages mentioned in the petition, namely Bilaspur and Dhandera, are situated in the radius of ~4 Kms to the industrial cluster. The geographical layout of the industrial cluster on Jolly Road, as well as the recipient drains (Dhandera and Jat Mujhera) and neighbouring villages, is illustrated in **Figure 2**.

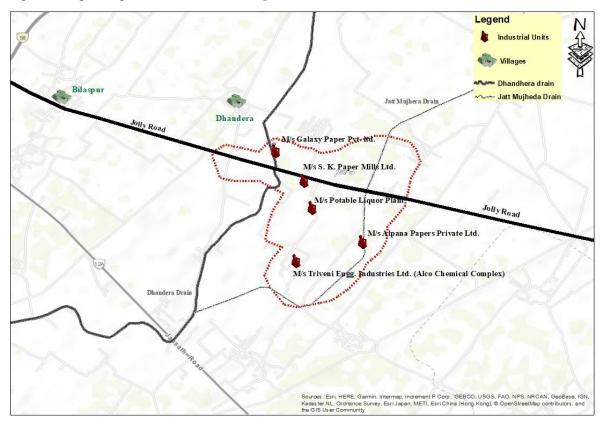


Figure 2 Location map showing industrial cluster located on Jolly Road & recipient drains along with villages in the vicinity

### b. Industrial pollution at Jolly Road

All 5 units located at Jolly Road were operational during inspection. Out of five units, three units operates on ZLD system. Based on compliance status, one unit have trivial non-

compliance w.r.t. effluent discharge norms which indicates that this unit discharge partially treated effluent of about 0.17 MLD into Dhandera drain.

Solid waste generated by the industrial cluster comprises of ETP sludge, boiler ash and plastic waste. The collective estimated generation of ETP sludge was approximately 1.73 MT/day, boiler ash was 82 MT/day and plastic waste was 3.85 MT/day. ETP sludge generated by the cluster is sent to TSDF (M/s Sheetala Waste Management Project, Dist. Bulandshahar, U.P.). Boiler ash is sent to Brick Kilns, such as Rajaji Bricks & Tiles Industries, as well as to landfills. As per Plastic Waste Management (Amendment) Rules, 2022, Section 14, subsection 14.1-14.4, any industry which generate plastic waste can handover to Producers, Importers & Brand-Owners or third-party agencies acting on their behalf with a view to their treatment and recycling or their identified end use. For disposal, plastic waste from industrial cluster of Jolly Road, is sent to M/s Harshit Trading Company for plastic waste recycling, which is granted CTO by SPCBs, to manufacture/produce shredded plastic and plastic granules. However, M/s Harshit Trading Company is not registered under EPR. Hence, it can be inferred that the plastic waste processing/ recycling agency is scientifically managing the plastic waste of the cluster. However, the end use of disposal of plastic waste by plastic waste processing/ recycling agency could not be verified.

The committee also found an illegal plastic waste dumping site (**Figure 3**) on Jolly Road near M/s S. K. Papers Pvt. Ltd. (geographical coordinates-29.443921, 77.76867). The committee interacted with the people present at the site, who informed that the waste is segregated by the rag pickers and thereafter sold to the local vendors.



Figure 3 Plastic waste dumping site located on Jolly Road

#### c. Characteristics of recipient drains on Jolly Road

Two drains, namely Dhandera drain and Jat Mujhera drain passes through Jolly Road. Dhandera drain, originating near Bhopa Road, was monitored at three locations on Jolly Road and BOD & COD in the drain ranged as 152-224 mg/l and 516-664.8 mg/l, respectively. Jat Mujhera drain, also originating near Bhopa Road, was monitored at three locations on Jolly Road and BOD & COD in the drain ranged as 42-1480 mg/l and 258-2951 mg/l, respectively.

Both these drains carry partially treated/untreated effluents from industries operating in Jolly Road cluster.

#### d. Groundwater quality at Jolly Road

A total of five groundwater samples were collected from the industrial premises. The groundwater quality was meeting the drinking water standards (IS 10500:2012).

## e. Stack and ambient air quality monitoring at Jolly Road

All five units were found complying w.r.t. stack emission norms. Ambient air quality was also monitored at one location namely, M/s Alpana Papers Pvt. Ltd. PM<sub>10</sub> varied as 144.1-168.6 mg/m<sup>3</sup> and PM<sub>2.5</sub> varied as 94.64-106.5 mg/m<sup>3</sup>. The concentration of PM<sub>10</sub> and PM<sub>2.5</sub> exceeded the National Ambient Air Quality Standards (notification dated 18/11/2009) by 30.6-40.7% and 31.9-43.6%, respectively.

# III. Jansath Road

### a. Geographical attributes of Jansath Road industrial cluster

Jansath Road, situated in the Muzaffarnagar district, is ~20 Kms long which connects Muzaffarnagar city with Jansath village and passes through the villages Shernagar, Nirana, Sikheda and Kawaal. An industrial cluster (~area-1 Km²) is located between 29°25'2.55"-29°25'32.61" N and 77°45'21.73"-77°45'50.70" E, in the stretch of ~1.2 Kms of the road. The list of ten industrial units provided by UPPCB were inspected by the committee. These ten units lies between 29°25'1.28"-29°26'1.28" N, 77°45'23.58"-77°47'43.84" E and comprises of 6 pulp & paper, 1 slaughter house, 1 textile, 1 pharmaceutical and 1 chemical industry. Among these units, seven are located on the left-hand side of Jansath Road (when moving from Shernagar towards Jansath village), while the remaining three are located on the right-hand side. Also, eight villages mentioned in the petition, namely Shernagar, Nirana, Bhikki, Bahadarpur, Sikheda, Jansath, Maqsudabad and Dhakedi, are situated in the radius of ~7.5 Kms to the industrial cluster. The geographical layout of the industrial cluster on Jansath Road, as well as the recipient drains and neighbouring villages, is illustrated in **Figure 4**.

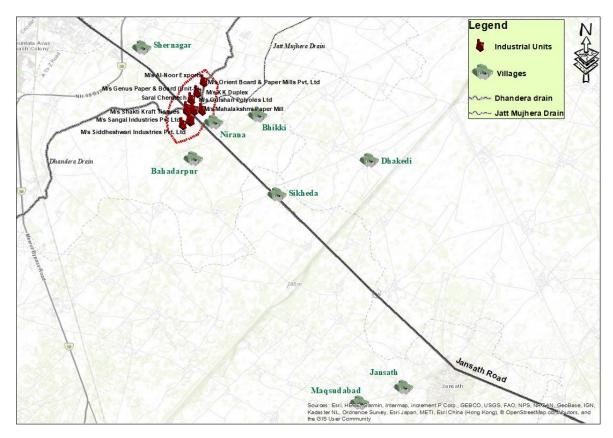


Figure 4 Location map showing industrial cluster located on Jansath Road & recipient drains along with villages in the vicinity

#### b. Industrial pollution at Jansath Road

All 10 units located at Jansath Road were operational during inspection. Out of ten units, two units operate on ZLD system, one was dry and seven units have permission to discharge effluents. Out of ten units, seven units were non-complying w.r.t. effluent discharge norms. These units discharge partially treated effluent of about 3.58 MLD into Dhandera drain.

Solid waste generated by the industrial cluster comprises of ETP sludge, boiler ash and plastic waste. The collective estimated generation of ETP sludge was approximately 7.4 MT/day, boiler ash was 160 MT/day and plastic waste was 44.9 MT/day. ETP sludge generated by the cluster is either sent to TSDF (Bharat Oil & Waste Management Ltd.) or sent to sun-dried board manufacturing units or reused in manufacturing processes or utilized as manure for gardening. Boiler ash is either sent to brick manufacturing companies or disposed off in low lying areas. Plastic waste is either sent to WEP installed by M/s K K Duplex and Paper Mills Pvt. Ltd., Jansath Road (34.2 MT/day) or gasifier installed by M/s Shakti Kraft Tissues, Jansath Road (3.37 MT/day) or other plastic waste processing/recycling companies (7.32 MT/day). As per Plastic Waste Management (Amendment) Rules, 2022, Section 14, subsection 14.1-14.4, any industry which generate plastic waste can handover to Producers, Importers & Brand-Owners or third-party agencies acting on their behalf with a view to their treatment and recycling or their identified end use. For disposal, plastic waste from industrial cluster of Jansath Road, is sent to two plastic waste processing/ recycling agencies (M/s Harshit Trading Company and

M/s Dew Resource Management) for plastic waste recycling, which are granted CTO by SPCBs, to manufacture/produce shredded plastic and plastic granules. However, both agencies are not registered under EPR. Hence, it can be inferred that the plastic waste processing/recycling agencies are scientifically managing the plastic waste of the cluster. However, the end use of disposal of plastic waste by plastic waste processing/recycling agencies could not be verified.

#### c. Characteristics of recipient drains on Jansath Road

Dhandera drain, originating near Bhopa Road, pass through Jansath Road industrial cluster and Jat Mujhera drain, also originating near Bhopa Road, meets Dhandera drain near Jansath Road after traversing ~8 Kms from origin. Dhandera drain was monitored at five locations on Jansath Road and BOD & COD in the drain ranged as 210-248 mg/l and 523-744 mg/l, respectively. The wastewater characteristics of Jat Mujhera drain before confluence with Dhandera drain showed BOD-248 mg/l, COD-736.8 mg/l & Colour-80 Hazen. Jat Mujhera drain confluence with Dhandhera drain at upstream of industrial cluster of Jansath road. Dhandhera drain carry partially treated/untreated effluents from industries operating in Jansath Road cluster.

## d. Groundwater quality at Jansath Road

A total of ten groundwater samples were collected from the industrial premises. The groundwater quality was meeting the drinking water standards (IS 10500:2012).

## e. Stack and ambient air monitoring at Jansath Road

All ten units were found complying w.r.t. stack emission norms. Ambient air quality was also monitored at two locations namely, M/s Mahalaxmi Crafts & Tissues Pvt. Ltd. and M/s Al-Noor Exports.  $PM_{10}$  varied as 184.78-206.17 mg/m<sup>3</sup> and  $PM_{2.5}$  varied as 68.47-114.7 mg/m<sup>3</sup>. The concentration of  $PM_{10}$  and  $PM_{2.5}$  exceeded the National Ambient Air Quality Standards (notification dated 18/11/2009) by 45.9-51.5% and 12.4-47.7%, respectively.

#### IV. Vahelna Road

### a. Geographical attributes of Vahelna Road industrial cluster

Vahelna Road, situated in the Muzaffarnagar district, is ~1.4 Km long which connects Vahelna village with the National Highway NH-334. An industrial cluster (~area-1 Km²) is located between 29°25'34.91"-29°25'39.07" N and 77°41'18.22"-77°41'42.49" E, in the stretch of ~0.6 Km of the road. The geographical layout of the industrial cluster on Vahelna Road, as well as Vahelna drain, is illustrated in **Figure 5**.

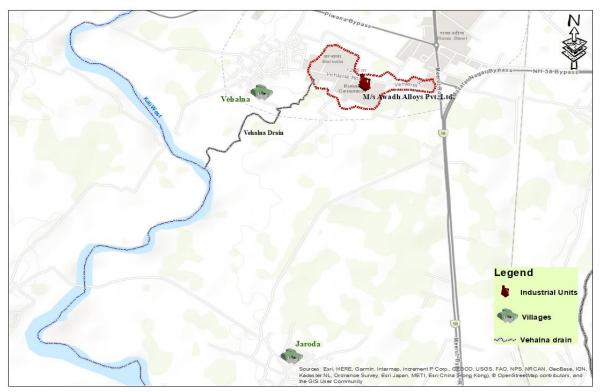


Figure 5 Location map showing industrial cluster located on Vahelna Road & recipient drains along with villages in the vicinity

#### b. Industry inspection at Vahelna Road

As per list provided by UPPCB, Vahelna Road industrial cluster consists of 18 industries which comprises of mainly rolling mills/refractories/metal casting/chemical units (17 nos.) and 1 pulp and paper unit. The committee inspected 1 unit mentioned in the petition, namely M/s Avadh Alloys Pvt. Ltd. (29°25'35.51"N, 77°41'35.88"E), which is located at the left-hand side of Vahelna Road (when moving from NH-334 towards Vahelna village). The committee observed that no process/operation was going on inside the unit's premises which generates wastewater and the machinery were found dismantled.

#### c. River and drain monitoring at Vahelna Road

A drain flows nearby Vahelna industrial area. The drain originates from Vahelna industrial area (29.427436, 77.688646) and carries wastewater of industries located on Vahelna Road along with sewage of Vahelna village. The drain traverses ~3 Kms before meeting river Kali-West at the left bank near Vahelna village. Wastewater sampling was carried out from the drain before confluence with river Kali-West which showed color-80 Hazen, BOD-68 mg/l, COD-320 mg/l, TSS-112 mg/l and TDS-1180 mg/l. To assess the water quality of river Kali-West, water samples were collected before and after confluence of the Vahelna drain with the river. Water quality of river Kali-West before confluence of Vahelna drain showed BOD-52 mg/l & COD-256 mg/l and after confluence of Vahelna drain showed BOD-56 mg/l & COD-288 mg/l.

#### d. Ambient air monitoring at Vahelna Road

Ambient air quality was also monitored at one location namely, M/s Suyash Kraft and Papers Ltd.  $PM_{10}$  varied as 124.58-137.22 mg/m<sup>3</sup> and  $PM_{2.5}$  varied as 57.4-68.1 mg/m<sup>3</sup>. The

concentration of  $PM_{10}$  and  $PM_{2.5}$  exceeded the National Ambient Air Quality Standards (notification dated 18/11/2009) by 19.7-27.1% and 4.1-11.9%, respectively.

## V. Begrajpur

In compliance of Hon'ble NGT order dated 12.12.2023 in matter of OA 540/2023, the joint team of CPCB and UPPCB carried out preliminary survey of Begrajpur industrial area and sampling of Begrajpur drain & its subsidiary channels on 29<sup>th</sup> and 30<sup>th</sup> January 2024.

## a. Geographical attributes of Begrajpur industrial cluster

Begrajpur industrial area (29.37246, 77.70547) was established by UPSIDC in Khatauli block of Muzaffarnagar district of Uttar Pradesh. It is located on NH 334 (previously NH 58) between Muzaffarnagar and Meerut near to Ghasipura village and Begrajpur village.

Wastewater sampling of Begrajpur drain was carried on 30.12.2023 and two samples were collected one at d/s of Megma pharmaceutical & one b/c to Dhandera drain and pH in both samples was observed acidic (2.2-4.2). Analysis results are annexed at Annexure - II.

Intermittent discharge of acidic as well as alkaline effluents were observed in main drain and its subsidiary channels.

#### a. Industrial Cluster

UPPCB provided information of 32 industries. However, during survey addition 19 industries were also found operating in the industrial area. Mostly industries are of small scale (fall in MSME category) and not included in the GPI category so far. Majorly battery recycling, engineering fabrication, metal surface finishing/processing, chemical and other waste recycling such as E-waste, plastic moulding and tyre pyrolysis are operating in the industrial area (35 units). Others are pharmaceutical (1), fertilizer manufacturing/formulation units (1), Textile (3), distillery (1) and bone processing. The list is attached as **Annexure-I.** Some of the industrial units were observed not having information board on their gate.

Layout map as displayed, in industrial area, is provided below

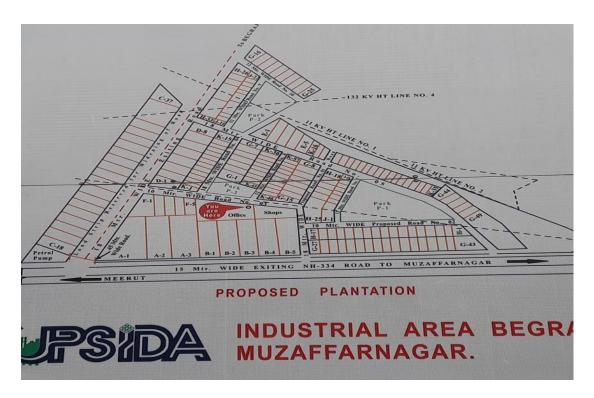


Figure 6 Industrial Area of Begrajpur, Muzaffarnagar

# b. Characteristics of recipient drain

Main drain of the industrial area is Begrajpur drain (i.e. Channel 1) which starts from (Latitude 29.376107, Longitude 77.703984) near Muzaffarnagar Highway. Subsidiary drains (Channel 2 & 1A, 1B, 1C etc.) receive trade effluent and domestic wastewater from the industries located in industrial area and join to main Begrajpur drain which finally meets to Dhandhera drain ((Lat: 29.373993, Long: 77.692937). Few industries also discharge directly into Dhandera drain.



Figure 7 Satellite map of Industrial area Begrajpur

Most of the units in industrial area are doing batch process. Therefore, intermittent flow of various coloured effluents were observed in subsidiary channels. Location of samples collected from Begrajpur industrial area is shown in Figure 7.

- Based on analysis results following observations are made:
- Values of parameters in sample of main drain channel outside of industrial area (Lat: 29.376107, Long: 77.703984) were observed as pH: 7.7, BOD: 29 mg/l, COD: 114 mg/l, TSS:17 mg/l. Trace metals were observed either BDL or in traces.
- Diurnal fluctuation in pH was observed, in wastewater of Begrajpur drain before confluence to Dhandera and onsite nature of pH was observed acidic and alkaline both. However, in samples collected before confluence to Dhandera drain pH ranged 2.0 <2 (acidic) and other parameters were ranged as BOD (82-263 mg/l), COD (302-711 mg/l), TSS (172-252 mg/l) and TDS (2988-5460 mg/l).</li>
- pH (9.6-2), Color (upto 308 Hazen), BOD (upto 687 mg/l), COD (upto 2654 mg/l), TSS (upto 2736 mg/l), TDS (upto 35004 mg/l), Sulphide (upto 55.0 mg/l), Nitrate (upto 21.5 mg/l), Sulphate (456 mg/l), Chloride (1722 mg/l) and metal concentration of Copper (upto 215.1 mg/l), Total Chromium (9.59 mg/l), Iron (upto 3325 mg/l), Manganese (upto 1175 mg/l), Nickel (upto 26.49 mg/l), lead (upto 8.9 mg/l) and Zinc (upto 2403 mg/l) were observed in samples of various channels of industrial area joining to main channel.
- High concentration of metals (Zinc, Manganese, Nickel, Iron, Copper, chromium) was observed in wastewater samples collected during morning and evening hours.
- Analysis result attached (Annexure-II).

# c. Un-authorized disposal of Hazardous waste / sludge

Waste sludge and ash were found dumped in un-scientific manner on open land at various locations in industrial area, along Dhandera drain and also being used for landfilling in vacant plots. Two samples of dumped sludge were collected for analysis.

Very high concentration of metals namely Antimony, Chromium, Copper, Iron, Manganese, Nickel, Lead and Zinc have been found in sludge samples. Analysis results show Arsenic (upto 10.1 mg/kg), Cadmium (6.2 mg/kg), Copper (upto 7112 mg/kg), Chromium (584 mg/kg), Iron (upto 311860 mg/kg), Manganese (upto 3173 mg/kg), Nickel (upto 245.4 mg/kg), Lead (upto 12380 mg/kg), Antimony (54.9 mg/kg) and Zinc (upto 7069 mg/kg).

#### d. Ambient air quality

- High acidic fumes and volatile organics in the air were felt in industrial area.
- Fugitive emissions emitting obnoxious odors were noticeable during the evening hours.
- No ambient air quality monitoring system is installed in industrial area.

Status of stack monitoring (one unit) on 22/01/2024 and ambient air quality monitoring conducted by UPCCB on 22/02/2023 at two locations for PM10 & PM2.5 in Begrajpur industrial area:

Ambient air quality was monitored at two locations namely, M/s Magma Industries Ltd. and M/s Chakradhar Chemicals Pvt. Ltd.  $PM_{10}$  varied as 124.51-162.72 mg/m³ and  $PM_{2.5}$  varied as 57.44-88.30 mg/m³. The concentration of  $PM_{10}$  and  $PM_{2.5}$  exceeded the National Ambient Air Quality Standards (notification dated 18/11/2009) by 24-62% and 4.3-9-47.16%, respectively.

# **B.** Sector-wise industrial report

## I. Details of industry visit

Inspection of 23 nos. of Pulp & Paper industries (14 units are located at Bhopa road, 06 units at Jansath road and 03 units at Jolly road clusters) and 09 nos. of industries in others category (i.e. Sugar, Distillery, Pharmaceuticals, Slaughterhouse, Food processing and metal processing), mentioned in petition, located in Muzaffarnagar were carried out by joint committee during 27<sup>th</sup> December 2023 – 17<sup>th</sup> January 2024.

Spatial distribution of industries along with recipient drains is shown in Figure 8 below:

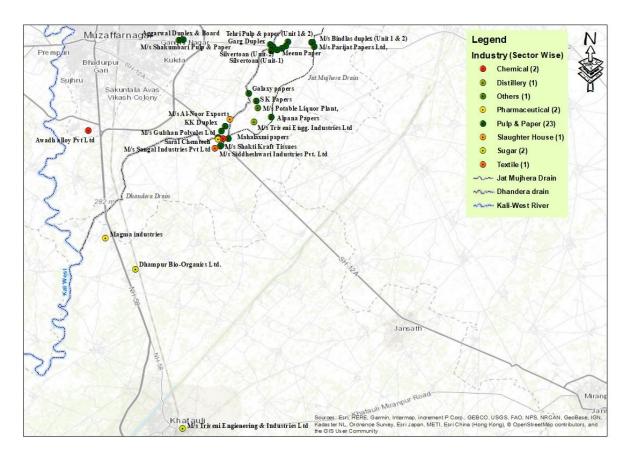


Figure 8 Spatial distribution of industries along with recipient drains

Details of industries as per the inspection carried out by Joint committee is mentioned in Table 1 and 2 below:

Table 1: General details and compliance status of industries inspected by joint committee

S.	Name of industry	Valid	Valid	Valid	ETP	Air Pollution	Recipient	Compliance status	Remark			
No.		Ground water NOCs (Yes/No)	Water and Air consent (Yes/No)	Hazardous Waste Authorization (Yes/No)	installed (Yes/No)	Control Device (APCD) (Yes/No)	drain	w.r.t effluent discharge norms and *emission norms				
	BHOPA ROAD, MUZAFFARNAGAR											
					PULP &	& PAPER						
1.	M/s Bindlas Duplex Ltd. (Unit- 1)	Yes	Yes	Yes	Yes	ESP	Jat Mujhera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required			
2.	M/s Bindlas Duplux Ltd. (Unit- 2)	Yes	Yes	Yes	Yes	ESP	Jat Mujhera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required			
3.	M/s Tehri Pulp & Papers Ltd. (Unit-1)	Yes	Yes	Yes	Yes	ESP	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required			

S. No.	Name of industry	Valid Ground water NOCs (Yes/No)	Valid Water and Air consent (Yes/No)	Valid Hazardous Waste Authorization (Yes/No)	ETP installed (Yes/No)	Air Pollution Control Device (APCD) (Yes/No)	Recipient drain	Compliance status w.r.t effluent discharge norms and *emission norms	Remark
4.	M/s Tehri Pulp & Papers Ltd. (Unit-2)	Yes	Yes	Yes	Yes	ESP	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
5.	M/s Meenu Paper Mills Pvt. Ltd.	Yes	Yes	Yes	Yes	Dust Collector and Wet scrubber	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
6.	M/s Aggarwal Duplex & Board Mills Ltd.	Yes	Yes	Yes	Yes	ESP	Kukra drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
7.	M/s Silvertoan Papers Ltd. (Unit- 1)	Yes	Yes	Yes	Yes	ESP	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required

S. No.	Name of industry	Valid Ground water NOCs (Yes/No)	Valid Water and Air consent (Yes/No)	Valid Hazardous Waste Authorization (Yes/No)	ETP installed (Yes/No)	Air Pollution Control Device (APCD) (Yes/No)	Recipient drain	Compliance status w.r.t effluent discharge norms and *emission norms	Remark
8.	M/s Silvertoan Papers Ltd. (Unit- 2)	Yes	Yes	Yes	Yes	Wet Scrubber	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
9.	M/s Garg Duplex and Paper Mills Pvt. Ltd.	Yes	Yes	Yes	Yes	ESP, Multicyclone and Wet scrubber	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
10.	M/s Parijat Papers Ltd.	Yes	Yes	Yes	Yes	Multicyclone and Wet scrubber	Jat Mujhera drain	Complying (operating on ZLD)	Inadequate metering facility at ETP
11.	M/s Shakumbari Pulp & Paper	Yes	Yes	Yes	Yes	ESP	Kukra drain	Non-complying w.r.t. discharge norms	Proper operation & maintenance is required
12.	M/s Bindals Papers Mills Ltd.	Yes	Yes	Yes	Yes	ESP	Dhandera drain	Complying (operating on ZLD)	Permission for discharge as per

S. No.	Name of industry	Valid Ground water NOCs (Yes/No)	Valid Water and Air consent (Yes/No)	Valid Hazardous Waste Authorization (Yes/No)	ETP installed (Yes/No)	Air Pollution Control Device (APCD) (Yes/No)	Recipient drain	Compliance status w.r.t effluent discharge norms and *emission norms	Remark
13.	M/s Silverton Pulp & Papers Pvt. Ltd. (Unit-1)	Yes	Yes	Yes	Yes	ESP	Dhandera drain	Complying (operating on ZLD)	consent issued by UPPCB
14.	M/s Silverton Pulp & Papers Pvt. Ltd. (Unit-2)	Yes	Yes	Yes	Yes	ESP	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
				JANSAT	TH ROAD,	MUZAFFARN	AGAR		
					PULP &	& PAPER			
15.	M/s K K Duplex and Paper Mills Pvt. Ltd.,	Yes	Yes	Yes	Yes	Bag Filter	Dhandera drain	Complying (operating on ZLD)	-
16.	M/s Siddheshwari Industries Pvt. Ltd.,	Yes	Yes	Yes	Yes	ESP	Dhandera drain	Non-complying w.r.t. discharge norms	Proper operation & maintenance is required

S. No.	Name of industry	Valid Ground water NOCs (Yes/No)	Valid Water and Air consent (Yes/No)	Valid Hazardous Waste Authorization (Yes/No)	ETP installed (Yes/No)	Air Pollution Control Device (APCD) (Yes/No)	Recipient drain	Compliance status w.r.t effluent discharge norms and *emission norms	Remark
17.	M/s Shakti Kraft Tissues	Yes	Yes	Yes	Yes	Multicyclone and Wet scrubber	Dhandera drain	Complying (operating on ZLD)	-
18.	M/s Orient Board & Paper Mills Pvt. Ltd.	Yes	Yes	Yes	Yes	Multicyclone and Wet scrubber	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
19.	M/s Mahalakshmi Paper Mills	Yes	Yes	Yes	Yes	Multicyclone and Wet scrubber	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
20.	M/s Genus Paper & Boards Ltd.	Yes	Yes	Yes	Yes	ESP	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
				ОТН	ER SECTO	 OR INDUSTRI	ES		

S. No.	Name of industry	Valid Ground water NOCs (Yes/No)	Valid Water and Air consent (Yes/No)	Valid Hazardous Waste Authorization (Yes/No)	ETP installed (Yes/No)	Air Pollution Control Device (APCD) (Yes/No)	Recipient drain	Compliance status w.r.t effluent discharge norms and *emission norms	Remark
21.	M/s Gulshan Polyols Ltd.	Yes	Yes	Not available	Yes	Yes	Dhandera	Non-complying w.r.t. discharge norms	Inefficient Operation & Maintenance
22.	M/s Al-Noor Exports Jansath Road	Yes	Yes	Yes	Yes	Yes	Dhandera	Non-complying w.r.t. discharge norms	Inefficient Operation & Maintenance
23.	M/s Sangal Industries Pvt Ltd, Jansath Road	Yes	Yes	NA	Dry unit	NA	Dhandera	Complying	Dry process, no requirement of ETP and boiler
24.	M/s Saral Chemtech LLP, Jansath road	Yes	Yes	Yes	Yes	Yes	Dhandera	Non-complying w.r.t. discharge norms	Inadequate and inefficient Operation & Maintenance of ETP
				JOLLY	ROAD, M	IUZAFFARNA	GAR		
					PULP &	& PAPER			
25.	M/s S. K. Paper Mills Ltd.	Yes	Yes	Yes	Yes	Multicyclone, Dust Collector and Wet scrubber	Dhandera drain	Non-complying w.r.t. discharge norms	ETP upto tertiary level, proper operation &

S. No.	Name of industry	Valid Ground water NOCs (Yes/No)	Valid Water and Air consent (Yes/No)	Valid Hazardous Waste Authorization (Yes/No)	ETP installed (Yes/No)	Air Pollution Control Device (APCD) (Yes/No)	Recipient drain	Compliance status w.r.t effluent discharge norms and *emission norms	Remark
									maintenance is required
26.	M/s Galaxy Paper Private Ltd.	Yes	Yes	Yes	Yes	Multicyclone and Wet scrubber	Dhandera drain	Complying (operating on ZLD)	-
27.	M/s Alpana Papers Private Ltd.	Not obtained	Only Consent to Establish	Not obtained	Yes	Wet Scrubber	Jat Mujheda	Non-complying (operating without CTO)	Unit claims ZLD but no flow meter at borewells, ETP inlet, ETP outlet and reuse point
				ОТН	ER SECTO	OR INDUSTRI	IES	I	
28.	M/s Triveni Engineering & Industries Ltd. Alco Chemical	Yes	Yes	Yes	Yes	Yes	Jat Mujhera drain	Non – Complying with excess lagoon capacity	Molasses unit  The unit is having excess 02 lagoons of capacity 28000 m <sup>3</sup> against the permitted capacity of 6000m <sup>3</sup> , which is in violation

S. No.	Name of industry	Valid Ground water NOCs (Yes/No)	Valid Water and Air consent (Yes/No)	Valid Hazardous Waste Authorization (Yes/No)	ETP installed (Yes/No)	Air Pollution Control Device (APCD) (Yes/No)	Recipient drain	Compliance status w.r.t effluent discharge norms and *emission norms	Remark
	Complex & M/s Potable Liquor Plant (bottling								of the consent condition
	unit)	Yes	Yes	Yes	Yes	Yes	Jat Mujhera drain	Complying	Grain unit  The unit operates its ZLD systems to handle the spent wash (thin stillage) and other effluents generated during the operation
		Yes	Yes	Yes	Yes	Not required	Dhandera drain	Complying	Bottling Plant
			1	MEERU	T ROAD,	MUZAFFARNA	AGAR		
				OTH	ER SECTO	OR INDUSTRI	IES		
29.	M/s Dhampur Bio Organics Ltd, Unit- Mansurpur,	Yes	Yes	Yes	Yes	Yes	Mansurpur drain	Complying	-

S. No.	Name of industry	Valid Ground water NOCs (Yes/No)	Valid Water and Air consent (Yes/No)	Valid Hazardous Waste Authorization (Yes/No)	ETP installed (Yes/No)	Air Pollution Control Device (APCD) (Yes/No)	Recipient drain	Compliance status w.r.t effluent discharge norms and *emission norms	Remark
30.	M/s. Triveni Engineering And Industries, Khatauli	Yes	Yes	Yes	Yes	Yes	Khatauli Sugar mill drain	Non-Complying w.r.t. discharge norms	ETP upto tertiary level, proper operation & maintenance is required
31.	M/s Magma Industries Begrajpur Industrial Area	Yes	Yes	Yes	Yes	Yes	Begrajpur	Non-complying w.r.t. discharge norms	Inadequate ETP/ dilution of ETP system
32.	M/s Avadh Alloys Pvt. Ltd., Meerut Road,					processing unit,	found disman	itled	

Note: All units found complying w.r.t. stipulated stack emission norms

Table 2: Details of production, freshwater consumption, effluent discharge and solid waste management

S. No.	·		Producti (MT/day		Specific Freshwater Consumptio	Specific Effluent	Plastic V (MT/da		Boiler (MT/		ETP S (MT/	O
		*Category	Consente d	Actual avg.	n (KL/MT)	Discharge (KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.
			1	В	HOPA ROAD	, MUZAFFA	RNAGAR					
					PUL	P & PAPER						
1.	M/s Bindlas Duplex Ltd. (Unit-1)	C2	200	137.29	6.50	5.93	10	5.9	38.15	4.59	2.72	Logbook /records not maintain ed
2.	M/s Bindlas Duplux Ltd. (Unit-2)	C1	250	148.49	6.56	3.13					7.1	Logbook /records not maintain ed
3.	M/s Tehri Pulp & Papers Ltd. (Unit-1)	C2	250	208.22	6.00	5.48	7.47	11.51	58.22	31.57	2.62	Logbook /records not

S. No.	Name of industry	ory	Production (MT/day)		Freshwater	Specific Effluent Discharge	Plastic Waste (MT/day)		Boiler Ash (MT/ day)		ETP Sludge (MT/ day)	
		*Category	Consente d	Actual avg.	- 1	(KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.
												maintain ed
4.	M/s Tehri Pulp & Papers Ltd. (Unit-2)	C2	350	262.18	2.93	2.48	8.4				0.32	Logbook /records not maintain ed
5.	M/s Meenu Paper Mills Pvt. Ltd.	C2	190	170.93	2.48	0.62	5.98	4.59	13.06	11.35	0.71	0.64
6.	M/s Aggarwal Duplex & Board Mills Ltd.	C1	160	146.43	8.12	4.09	5.13	1.48	22.5	2.125	1.74	Logbook /records not maintain ed
7.	M/s Silvertoan Papers Ltd. (Unit-1)	B2	180	165.51	7.31	6.69	2	0.95	31.26	25.14	0.65	0.005
8.	M/s Silvertoan Papers Ltd. (Unit-2)	C2	300	151.71	3.88	3.56	5.14	2.23	28.72		0.49	

S. No.	Name of industry	ory	Production (MT/day)		Specific Freshwater Consumptio	Specific Effluent Discharge	Plastic Waste (MT/day)		Boiler Ash (MT/ day)		ETP Sludge (MT/ day)	
		*Category	Consente d	Actual avg.	n (KL/MT)	(KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.
9.	M/s Garg Duplex and Paper Mills Pvt. Ltd.	C1	415	248.15	2.71	0.28	5.92	2.19	40.56	27.82	0.45	Logbook /records not maintain ed
10.	M/s Parijat Papers Ltd,	C2	150	121	1.74	0.00	4.2	1	1.39	1.4	0.008	0.007
11.	M/s Shakumbari Pulp & Paper	C2	140	83.28	3.17	1.40	2.9	1.23	1.3	1.4	0.01	0.008
12.	M/s Bindals Papers Mills Ltd.	B1	300	302.63	16.59	14.56	Nil (raw material-agro residues)		126.3	126.4 4	3.42	0.077
13.	M/s Silverton Pulp & Papers Pvt. Ltd. (Unit-1)	C2	300	180.54	2.00	1.78	6.32	3.14	114.43	88.04	1.175	0.012
14.	M/s Silverton Pulp & Papers Pvt. Ltd. (Unit-2)	C1	300	180.95	13.08	9.29	6.33	3.36	111113	30.01	0.287	0.020
Total – Bhopa Road 3485 2			2507.3 1	-	-	69.79	37.58	475.89	319.8 7	21.70	0.77	

S. No.	Name of industry	ory	Production (MT/day)		Specific Freshwater Consumptio	Specific Effluent Discharge	Plastic Waste (MT/day)		Boiler Ash (MT/ day)		ETP Sludge (MT/ day)		
		*Category	Consente d	Actual avg.	n (KL/MT)	(KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.	
	1		Pu	lp & Pape	er: Total fresh	water consu	mption – 16.1	19 MLD	;				
	Total effluent discharge – 12.02 MLD												
				JA	NSATH ROA	D, MUZAFF	ARNAGAR						
					PUL	P & PAPER							
15.	M/s K K Duplex and Paper Mills Pvt. Ltd.,	C1	200	96.79	1.70	0.00	4.85	4.85	11.36	11.67	No primary treatment	No primary treatment	
16.	M/s Siddheshwari Industries Pvt. Ltd.,	C2	200	163.04	3.93	1.63	6.4	1.655	23.9	Logboo k/record s not maintai ned	0.019	Logbook /records not maintain ed	
17.	M/s Shakti Kraft Tissues,	C2	150	95.15	2.45	0.00	3.37	1.01	1.8	Logboo k/record s not maintai ned	No primary treatment	No primary treatment	

S. No.	Name of industry	ory	Producti (MT/day		Freshwater   1	Discharge _	Plastic V (MT/d		Boiler (MT/		ETP Sludge (MT/ day)	
		*Category	Consente d	Actual avg.	n (KL/MT)	(KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.
18.	M/s Orient Board & Paper Mills Pvt. Ltd.,	C2	190	91.19	4.74	2.97	3.19	1.42	1.75	1.93	0.030	0.002
19.	M/s Mahalakshmi Paper Mills	C2	200	117.88	5.03	1.04	4.13	1.02	2.12175	3.64	1.29	Logbook /records not maintain ed
20.	M/s Genus Paper & Boards Ltd.,	C1	525	295.09	6.96	5.80	22.97	22.97	72.64	55.42	5.68	5.55
Tota	al – Paper sector – Jansath	Road	1465	859.14	-	-	44.91	32.92	113.57	72.66	7.02	5.55
			Pu	ılp & Pap	er: Total fresh	water consu	mption – 4.1	2 MLD;				-
				<u>,                                    </u>	Fotal effluent	discharge – 2	2.37 MLD					
					OTHER SEC	TOR INDU	STRIES					
21.	M/s Gulshan Polyols Ltd.	Food	550	311.36	2.7	2.16	NA	NA	43.7	40	0.01	0.01

M/s Al-Noor Exports ansath Road	Slaughterhouse *Category	Consente d	Actual avg. 51.55	Consumptio n (KL/MT)	Discharge (KL/MT)	Estimated NA	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.
-	hterhouse	100	51.55	3.68	3.40	NΙΛ					
	Slaug					IVA	NA		Logbook records not maintain	0.38	0.38
M/s Sangal Industries Pvt Ltd, Jansath Road	Textile	18	13.06				Dry prod	cess			
M/s Saral Chemtech LP, Jansath road	Pharmaceutica 1	2.33	2.16	11.70	2.61	NA	NA	0.53	0.53	0.02	0.02
				-	-	-	-	44.43	40.53	0.41	0.41
A A L	d, Jansath Road /s Saral Chemtech _P, Jansath road  Other sector – Jansath	/s Sangal Industries Pvt d, Jansath Road  /s Saral Chemtech LP, Jansath road  Other sector – Jansath Road	/s Sangal Industries Pvt d, Jansath Road  /s Saral Chemtech P, Jansath road  Other sector – Jansath Road  670.33	/s Sangal Industries Pvt d, Jansath Road  /s Saral Chemtech P, Jansath road  Other sector – Jansath Road  670.33  18  13.06  2.33  2.16  378.13	/s Sangal Industries Pvt d, Jansath Road  /s Saral Chemtech P, Jansath road  Other sector – Jansath Road  670.33  18  13.06  11.70  11.70  11.70  11.70	/s Sangal Industries Pvt d, Jansath Road  /s Saral Chemtech P, Jansath road  Other sector – Jansath Road  670.33 378.13	/s Sangal Industries Pvt d, Jansath Road    3	18   13.06   Dry production   19   19   19   19   19   19   19   1	S Sangal Industries Pvt   18   13.06	/s Sangal Industries Pvt d, Jansath Road  /s Saral Chemtech LP, Jansath road  18 13.06  18 13.06  Dry process  18 0.53  0.53	/s Sangal Industries Pvt d, Jansath Road    18

### JOLLY ROAD, MUZAFFARNAGAR

### PULP & PAPER

S. No.	•		Producti (MT/day		Freshwater	Specific Effluent Discharge	Plastic V (MT/d		Boiler Ash (MT/ day)		ETP Sludge (MT/ day)	
		*Category	Consente d	Actual avg.	n (KL/MT)	(KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.
25.	M/s S. K. Paper Mills Ltd.	C1	42	36.4	7.25	4.66	1.27	1	0.74	Logbook records not maintai	0.94	0.33
26.	M/s Galaxy Paper Private Ltd.	C2	100	46.96	2.81	0	1.89	0.26	0.31	Logbook records not maintai	0.79	Logbook records not maintain ed
27.	M/s Alpana Papers Private Ltd.	C2	100	Estimated 12.51 MT/day	Estimated 3.00	0.00	Estimated 0.69	No record provided	Estimate d 0.94	Logboo k records not maintai ned	No primary treatment	No primary treatment
	Total		242	95.87	-	-	3.85	1.26	1.99	-	1.73	0.33

S. No.	•			Production (MT/day)		Specific Effluent Discharge	Plastic V (MT/d		Boiler Ash (MT/day)		ETP Sludge (MT/ day)		
		*Category	Consente d	Actual avg.	Consumptio n (KL/MT)	(KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.	
	Pulp & Paper: Total freshwater consumption – 0.43 MLD; Total effluent discharge – 0.17 MLD												
					OTHER SEC	TOR INDU	STRIES						
28.	M/s Triveni Engineering & Industries Ltd. Alco Chemical Complex,	Molasses	200 KLD (B-heavy molasses) or 160 KLD (C-heavy Molasses)	170 KLD	5.29 KL/KL of alcohol produced	ZLD	NA	NA	80	76.71	NA	NA	
	risin	Grain	60 KLD	50 KLD	4.3 KL/KL of alcohol produced	ZLD	NA	NA					

S. No.	Name of industry	ory	Producti (MT/day		Specific Freshwater Consumptio	io Discharge	Plastic V (MT/da		Boiler (MT/ o		ETP Sludge (MT/ day)	
		*Category	Consente d	Actual avg.	n (KL/MT)	(KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.
	Bottling plant	IMFL- 12000 cases/day & Country Liquor- 24000 cases/day	No record provided	NA	ZLD	NA	NA					
То	tal – Other sector – Jolly R			220 KLD	-	- - 1 00 M	- T-4-1 -6	- 	80	76.71	-	-
		otner s	sector: 10t		ater consumpt EERUT ROAI			nuent ai	scnarge – 2	ZLD		
					OTHER SEC	,						
29.	M/s Dhampur Bio Organics Ltd, Unit- Mansurpur,	Sugar	7000 TCD	8034.9 3 TCD	51.23 Ltr./T of cane crush	79.79 Ltr./T of cane crush	NA	NA	39	40.67	1.46	1.46
30.	M/s. Triveni Engineering And Industries, Khatauli	Sugar	16000 TCD	13286 TCD	7.31 Ltr./T of cane crush	60.83 Ltr./T of cane crush	NA	NA	33.1	41.62	1.6	1.6

S. No.	Name of industry	ory	(MT/day)		Specific Specific Freshwater Effluent Consumptio Discharge	Plastic Waste (MT/day)		Boiler Ash (MT/ day)		ETP Sludge (MT/ day)		
		*Category	Consente d	Actual avg.	n (KL/MT)	(KL/MT)	Estimated	Actual avg.	Estimate d	Actual avg.	Estimated	Actual avg.
31.	M/s Magma Industries Begrajpur Industrial Area	Pharmaceutical	16.67	0.98	37.45	19.79	NA	NA	Fuel consump tion record not available	0.4	0.006	0.002
32.	M/s Avadh Alloys Pvt. Ltd., Meerut Road,	Metal processin				τ	Unit found dis	smantled				
Tota	al – Other sector – Meerut	Road	23016.67	21321.91	-	-	-	-	72.1	82.69	3.06	3.06
	Oth				r consumption							
		Tota	ıl freshwa	ter consun	nption - 23.43	MLD; Tota	I effluent dis	charge –	16.88 MLI	)		

### \*Category

B1 – Pulp & Paper industry producing bleached grade paper using agro residues

B2 - Pulp & Paper industry producing unbleached grade paper using agro residues

C1 – Pulp & Paper industry producing bleached grade paper using waste paper

C2 – Pulp & Paper industry producing unbleached grade paper using waste paper

#### **II. Observations & Findings**

#### a. Environmental Clearance

Among the 32 industrial units, 6 have received environmental clearance from MoEF&CC/SEIAA. These 6 units are fully compliant with the conditions stipulated in their respective environmental clearances.

#### b. Freshwater Consumption, Effluent Management and Disposal

- 1) Pulp & Paper industries
- As per the various gazette notifications under E(P) Rules, 1986, Pulp & Paper industries were categorized based on the scale of production. Category wise notified discharge norms are mentioned in Table 3 below:

Table 3: Notified discharge norms under E(P) Rules, 1986 for Pulp & Paper industries based on scale of production

	based on searc of pro-	J. J				
<b>Parameters</b>	Notin	fied standards				
	Large Pulp & Paper Mills	Small Pulp & Paper Mills				
	(Capacity above 24000	(Capacity up to 24000 MT/Annum)				
	MT/Annum)					
pН	7.0-8.5	5.5-9.0				
TSS (mg/L)	50	100				
BOD (mg/L)	30	30 (discharge into inland surface				
		water)				
		100 (discharge on land)				
COD (mg/L)	350	-				
AOx	1 kg/MT of paper produced	2 kg/MT of paper produced				
		(discharge on land)				
SAR	-	26 (discharge on land)				
Sp. Effluent	100 KL/MT of paper	200 KL/MT of paper produced				
Discharge	produced	(agro based)				
		75 KL/MT of paper produced				
		(waste paper based)				

- ➤ Pulp & Paper industries operating in Muzaffarnagar are either using waste paper or agro residues as raw material or mixture of both for producing bleached grade (writing-printing, Duplex board, tissue etc.) and unbleached grade of paper (i.e. kraft paper).
- ➤ In Waste paper based industries, the effluent is generated from Pulping section and Paper machine. The effluent generated from paper machine is recycled to Pulping section. Finally, for management of effluent from pulping section, industries have installed Fibre recovery units and Effluent Treatment Plant (ETP).
- ➤ In agro residues based industries, the effluent is generated from cooking/digestion section (used for separation of lignin and other impurities from agro waste to obtain cellulosic fibres) known as Black Liquor (typically having high solid content around 8 12% and COD in the range of 75000 125000 mg/L) and other low strength effluent streams from Pulping & other sections.

- > Out of 23 nos. of pulp & paper industries inspected by joint committee:
  - 21 nos. of industries were found using waste paper/readymade pulp as raw material for producing:

bleached grade paper -07 industries unbleached grade paper -14 industries

- 02 nos. of industries were using agro residues as raw material for producing: bleached grade paper (writing-printing) – 01 industry unbleached grade paper (Kraft) – 01 industry
- ➤ Out of these 21 nos. of waste paper based industries, 06 nos. of industries (02 at Bhopa road, 02 at Jansath road and 02 at Jolly road) were found operating on Zero Liquid Discharge (ZLD). ZLD scheme majorly consisting of fibre recovery units (Sedicell, krofta etc.) followed by primary settling unit.
- ➤ Total 16 nos. of industries with permission to discharge have installed ETP consisting of Primary treatment, Secondary (aerobic biological) treatment followed by tertiary filtration system (such as Pressure Sand Filter, Activated Carbon Filter, Dual Media Filter, Multi Grade Filter etc.) for treatment of generated effluent.
- Criteria adopted for verification of ZLD:
  - Specific freshwater consumption ≤ 3.0 KL/MT of product
  - Effluent recycling in closed loop
  - High values of COD & TDS (20,000 mg/l and above)
- ➤ The treatment schemes were voluntarily adopted by industries due to implementation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper industries" (hereby referred to as 'Charter') in years 2012 and 2015 by CPCB in river Ganga basin states.
- As per the Charter, the industries have been categorised based on Raw material type and grade of paper produced, and category wise targets for specific freshwater consumption and specific effluent discharge are mentioned in Table 4 below:

Table 4: Category wise benchmark for specific freshwater consumption & specific effluent discharge in Pulp & Paper industries

Type of Industry	Category	Benchmark values (KL/MT of product)			
		Specific Fresh water consumption	Specific Effluent discharge		
Agro Based Pulp & Paper Mills producing bleached grades of chemical pulps, papers, paperboards & newsprint	B1	50	40		
Agro Based Pulp & Paper Mills producing unbleached grades of papers and paperboards	B2	25	20		

RCF and Market Pulp Based Paper Mills	C1	15	10
producing bleached grades of papers,			
paperboards & newsprint			
RCF and Market Pulp Based Paper Mills	C2	10	6
producing unbleached grades of papers			
and Paperboards			

➤ Category wise Specific freshwater consumption and discharge values in Pulp & paper industries in Muzaffarnagar, before and after Charter implementation in year 2015 is shown in Table 5 below:

Table 5: Category wise Specific freshwater consumption and discharge values in Pulp & paper industries in Muzaffarnagar, before and after Charter implementation in year 2015

Category	_	water Consu /MT of pape	-	Sp. Eff (KL/	O	
	Before Charter (2015)	After Charter (2015)	% reduction	Before Charter (2015)	After Charter (2015)	% reduction
B1	87.4	58	33.64	62	46	25.81
B2	-	-	-	-	-	-
C1	26.1 – 40	14.8 – 19.6	43.30 - 51	17 – 28	9.6 – 14.6	43.5 – 47.8
C2	22.4 – 42.5	14.2 – 19	33.5 – 65.2	15.7 – 31.8	9.3 – 13	39.5 – 68.5

- ➤ Charter implementation resulted in reduction in specific freshwater consumption and discharge over a period of time due to increased recycling of treated/partially treated effluent, however as a result, the concentration of pollutants in raw effluent have further increased. Therefore, there is a need for augmentation/upgradation of ETP with better and more efficient technologies available to ensure consistent compliance w.r.t. stipulated effluent discharge norms.
- As per the visit carried out by joint committee during 27<sup>th</sup> December 2023 17<sup>th</sup> January 2024, the category wise details of actual specific freshwater consumption, specific effluent discharge and raw effluent characteristics are mentioned in Table 6 below:

Table 6: Category wise details of actual specific freshwater consumption, specific effluent discharge and raw effluent characteristics

Category	No. of	Avg. daily	Specific	Specific	Avg.	Avg.	Avg.	Avg.
	industries	production	Fresh water	Effluent	Inlet	Inlet	Inlet	Inlet
			consumptio	discharge	BOD	COD	TSS	TDS
			n		(mg/l)	(mg/l)	(mg/l)	

			(KL/MT of	(KL/MT of				(mg/l)
			product)	product)				
B1 having	01	302.63	16.59	14.56	848	2028	2524	4676
discharge								
B2 having	01	165.5	7.31	6.69	3775	11312	1963	6240
discharge								
C1 having	06	175.92	2.7 - 13	0.27 - 9.3	1766	4634	3715	3519
discharge								
C2 having	10	156.26	2.0 - 6.5	0.6 - 5.9	2668	6563	2104	6610
discharge								
C1 on	01	96.79	1.70	0	3780	8292	762	12536
ZLD								
C2 on	04	68.90	1.74 - 3.0	0	9926	24602	7075	21726
ZLD								

- ➤ Though installed ETPs seems adequate as per quantity of effluent generated at consented production capacity, but due to poor operation & maintenance issues and increased concentration of pollutants, 15 nos. of waste paper based industries are non-complying (trivial violation) w.r.t. stipulated discharge norms and 01 no. of industry found complying as it was operating on ZLD.
- ➤ Out of 02 nos. of agro residues based industries, 01 no. of industry is producing Kraft Paper and other is producing writing-printing grade, both located at Bhopa road and have installed Chemical Recovery Plant (CRP) to ensure zero black liquor discharge. Both CRPs were found operational during visit. ETPs consisting of Primary treatment, Secondary (aerobic biological) treatment followed by tertiary filtration system (such as Pressure Sand Filter, Activated Carbon Filter, Dual Media Filter etc.) for treatment of generated effluent other than black liquor. One industry was found complying as it was operating on ZLD on date of visit, by treating the effluent through ETP followed by RO plant (RO permeate was being used in process and reject was being used for cooling tower makeup), and other one was found non-complying w.r.t. stipulated discharge norms.
- > ZLD system has been voluntarily adopted by industries, and they are aware that it shall produce inferior quality products, thus it should not be enforced uniformly.
- ➤ V-notch have been installed at inlet and outlet of ETPs
- ➤ There is no uniformity in treatment scheme, however typical effluent management scheme opted by industries operating on ZLD is as below:

Raw effluent – Fibre recovery unit – Primary treatment – Effluent recycled back to production

- ➤ Analysis results of sample collected from inlet and outlet/recycling line of ETPs installed in waste paper based ZLD units show negligible reduction in effluent parameters such as BOD and TSS (3 13 %) which indicates poor performance of ETP, due to high concentration of BOD, COD & TSS.
- ➤ There is no TDS reduction unit installed in the ETPs of waste paper based industries operating on ZLD.

#### > Issue of purging in Waste paper based Pulp & Paper units operating on ZLD

Due to continuous recycling of effluent in closed loop causes significant decrease of the oxygen content of the process water, approaching anaerobic conditions associated with a microbiologically induced reduction of sulphate to hydrogen sulphide and the formation of odorous, low-molecular fatty acids, build-up of pollutants (majorly TDS and organics,  $\geq$  20,000 mg/l) occurs which leads to scaling, intensified growth of microorganisms and a higher demand for fungicides, poor product quality and aggressive corrosion of pipelines & equipments caused by high contents of chlorides, sulphates and organic acids, hence it is suspected that to avoid these issues, the possibility of periodical purging of some quantity of effluent into recipient water body/drains (may be on fortnightly/ weekly basis) by industries operating on ZLD cannot be ruled out as also evident from the physical conditions and water quality of recipient drains.

- There is need to have proper engineered system so that possibility/requirement of purging out of effluent can be eliminated. Industries shall upgrade/augment their ETP by installing Secondary biological treatment (anaerobic-aerobic) and Tertiary treatment to ensure proper ZLD system in scientific manner. Industries may also explore other advance technologies available.
- 2) Other industries (Sugar, Distillery, Pharmaceutical, Slaughter house, Food & Metal processing and dry textile unit)
- For management of effluent generated from manufacturing activities, industries have installed Effluent Treatment Plant (ETP). Out of 09 nos. of industries, 02 are pharmaceutical, 02 are sugar, 01 distillery, 01 slaughter house, 01 food processing, 01 textile (dry process) and 01 metal processing industry (dismantled). Distillery was found operating on ZLD and remaining operational industries have permission to discharge (except textile unit). Compliance status of individual industries can be referred from Table 1. Industry wise details of effluent management scheme are separately described below:

#### i. Pharmaceutical industries

- The pharmaceutical industries were engaged in production of Diclofenac & Aceclofenac.
- No segregation of high COD and low COD streams was observed.
- Existing effluent treatment scheme found inadequate for treatment of quality of effluent (COD > 4800 mg/l) generated from manufacturing processes or other industrial operations.
- Dilution of ETP outlet observed as more than 97 % reduction in BOD & COD which appears to be practically impossible for the existing ETP system based on activated sludge process.
- ETP system comprises of either primary clarifier or primary clarifier followed by biological treatment with poor operation and maintenance which is considered inadequate to treat both effluent streams (high COD which are considered as re-calcitrant effluent as well as low COD streams).
- Values of specific fresh water consumption were 37.45 KL/MT of product & 11.70 KL/MT of product. Values of specific effluent discharge were 19.79 KL/MT of product & 2.61 KL/MT of product.

#### ii. Sugar industries

• The sugar industries were engaged in production of Refined Sugar using Cane as raw material. Both the industries have installed ETP consisting of Physico-Chemical, Secondary (biological aerobic) treatment followed by tertiary filtration system (i.e. Pressure Sand Filter and Activated Carbon Filter). Treated effluent was being reused in process and remaining quantity used for irrigation in agriculture fields. Values of specific fresh water consumption were 51.23 ltr./ton of cane crushed & 7.31 ltr./ton of cane crushed. Values of specific effluent discharge were 79.79 ltr./ton of cane crushed & 60.83 ltr./ton of cane crushed.

#### iii. Distillery industry

M/s Triveni Engineering & Industries Ltd. Alco Chemical Complex, has three manufacturing units i.e. Molasses based distillery plant, Grain based distillery plant and a Bottling plant within the industrial complex. Details are separately described below:

#### • Molasses distillery plant

For achieving ZLD in Molasses based plant, unit has installed 06 stage Multi Effect Evaporator (MEE), Incineration boiler for Spent wash management, and RO based CPU for MEE condensate and other low strength effluents. Specific fresh water consumption was 5.29 KL/KL of alcohol produced. Specific Spent wash generation was 6.59 KL/KL of alcohol produced. Excess capacity for spent wash storage in lagoons was observed.

#### • Grain distillery plant

For achieving ZLD in Grain based plant, unit has installed 7 stage MEE followed by Decanter and Dryer. Generated DDGS from the dryer was sold to market. For treatment of MEE condensate and other low strength effluents, unit has installed RO based CPU. Specific fresh water consumption was 4.3 KL/KL of alcohol production.

#### Bottling plant

For achieving ZLD in bottling plant, unit has installed Physico-Chemical, Secondary (biological aerobic) treatment followed by tertiary filtration system (i.e. Pressure Sand Filter and Activated Carbon Filter). Treated effluent was being reused in process.

#### iv. Slaughterhouse industry

 M/s Al-Noor Exports has installed ETP consisting of Physico-Chemical, Secondary (biological 03 stage aerobic) treatment followed by tertiary filtration system (i.e. Pressure Sand Filter and Activated Carbon Filter). Treated effluent is discharged into Dhandera drain. Specific fresh water consumption was 3.68 KL/MT of product and specific effluent discharge was 3.40 KL/MT of product.

#### v. Food processing industry

 M/s Gulshan Polyols Ltd. has installed ETP consisting of Physico-Chemical, Secondary (biological anaerobic-aerobic) treatment followed by tertiary filtration system (i.e. Pressure Sand Filter and Activated Carbon Filter). Treated effluent is discharged into Dhandera drain. Specific fresh water consumption was 2.7 KL/MT of product and specific effluent discharge was 2.16 KL/MT of product.

- vi. Textile industry was found operating on dry process (fiber/yarn spinning only).
- vii. Metal processing industry was found dismantled during visit.

#### c. Solid Waste Generation and Disposal

- For estimation of solid waste generation (i.e. plastic waste, boiler ash and ETP sludge), certain assumptions were made based on the expert opinion from CPPRI, and IIT Delhi, literature survey and inputs from industry representatives.
- ➤ Pulp & paper industries typically generate non-paper solid waste @ 10% of raw material (waste paper) assuming 90% efficiency. These industries receive plastic majorly in form of lamination and packaging in the raw material (i.e. waste paper) which is removed during pulping process in Pulpers and screens at ETP inlet, and stored separately in heaps in open areas or under sheds for 3 5 days for drying and then weighed for maintaining logbooks.
- ➤ Plastic waste generation rate taken as @ 3% of indigenous waste paper and 4% of imported waste paper.
- ➤ Other industries such as Sugar, Distillery, Pharmaceutical, Slaughter house, Food & Metal processing, dry textile unit do not have waste plastic component in their raw material, hence no such plastic waste is generated from these industries.
- ➤ Different types of fuels such as biomass (i.e. bagasse, rice husk, wood barks, leaves), coal, plastic and Refuse Derived Fuel were found being used in the boilers installed in the industries.
- Estimation of Boiler ash generation rate taken as 2.5% for bagasse, 30-35% for coal, 5% for plastic and 17% in case of rice husk & Refuse Derived Fuel.
- > ETP sludge (biological) generation as 30% of TSS load in raw effluent at ETP inlet.
- Actual quantities of solid waste generation (i.e. plastic waste, boiler ash and ETP sludge) were also calculated based on the logbooks/records provided by the industries.
- ➤ Details of estimated and actual generation of plastic waste, boiler ash & ETP sludge are mentioned in subsequent sections:

#### a. Plastic Waste

- Estimated plastic waste quantity to be generated from industries located at Bhopa road, Jansath road and Jolly road is 69.79 MT/day, 44.91 MT/day and 3.85 MT/day, respectively, i.e. a total of 118.55 MT/day.
- Actual plastic waste quantity generated and reported by industries located at Bhopa road, Jansath road and Jolly road is 37.58 MT/day, 32.92 MT/day and 1.26 MT/day, respectively, i.e. a total of 71.76 MT/day.
- Gap of 46.79 MT/day in estimated and actual plastic waste generation quantity needs proper record keeping.
- Plastic waste generated from industries is being provided to plastic waste recyclers, Waste to energy plants authorized by SPCB (quantity 71.76 MT/day). Therefore, industries are meeting with the legal requirements for plastic waste management/disposal, however end use couldn't be verified by joint committee.

- Receipts/invoices of plastic waste received by authorized recyclers and waste to energy
  plants was obtained and matched with the actual plastic waste disposal data provided by
  industries.
- Therefore, there is a need of proper monitoring, record keeping system in line with common facilities to be created at cluster level, which should be monitored through SPCB.
- Waste to energy plants or other scientific modes of disposal may be explored by industries at cluster level for ensuring better resource/material/energy recovery.

#### b. Boiler ash

- Estimation of boiler ash generation from Pulp & paper industries was carried out based on following considerations:
  - ➤ Daily steam requirement is estimated as 1.8 MT steam /MT of paper (for waste paper based unit) and 6 MT/MT of paper (for agro based unit)
  - ➤ Daily fuel requirement is estimated based on steam generation @ 3 MT steam/MT of Indian Coal, 4 MT steam/MT of Imported Coal, 2.5 MT steam/MT of Bagasse and 3 MT steam/MT of Rice Husk
- Estimation of boiler ash generation from Other category industries was carried out based the actual fuel consumption data provided by the industries.
- Estimated boiler ash quantity generated from industries located at Bhopa road, Jansath road, Jolly road and Meerut road is 475.89 MT/day, 158 MT/day, 81.99 MT/day and 72.1 MT/day, respectively i.e. a total of 787.98 MT/day.
- Total actual boiler ash quantity generated from industries located at Bhopa road, Jansath road, Jolly road and Meerut road is 319.87 MT/day, 113.19 MT/day, 76.71 MT/day and 82.69 MT/day, respectively i.e. a total of 592.46 MT/day.
- It was observed that most of the generated ash was being disposed off for land filling in low lying areas within and outside the premises.
- Some units have made agreements with brick kilns for brick manufacturing, however end use couldn't be verified.
- Gap of 195.52 MT/day in estimated and actual boiler ash generation quantity indicates unscientific disposal or poor record keeping.
- Therefore, there is a need of proper monitoring, record keeping system in line with common facilities to be created at cluster level, which should be monitored through SPCB to ensure scientific disposal of ETP sludge.
- Industries at cluster level need to explore methods of scientific reuse/disposal of boiler ash.

#### c. ETP Sludge

- Sludge from ETPs installed in industries is majorly generated from Primary clarifier (i.e. Primary sludge) and Secondary clarifier (i.e. biological sludge). Secondary sludge mostly consists of biosolids along with the part of primary sludge.
- In Pulp & Paper industries, sludge generated from primary clarifier majorly consists of pulp fiber, which is recycled back to pulpers without measurement as a standard practice in all industries to improve product yield. Sludge generated from secondary clarifier, is being used

- by most of the industries for making egg tray/boards and some are utilizing as subsidiary fuel in boiler after mechanical dewatering.
- In other category industries (except pharmaceutical industries), primary and secondary sludge is being utilized as a manure after mechanical dewatering. ETP sludge generated from Pharmaceutical industries is being provided to TSDF.
- Total estimated ETP sludge quantity generated from industries located at Bhopa road, Jansath road, Jolly road and Meerut road is 21.7 MT/day, 7.43 MT/day, 1.73 MT/day and 3.06 MT/day, respectively i.e. a total of 33.92 MT/day.
- Total actual ETP sludge quantity generated from industries located at Bhopa road, Jansath road, Jolly road and Meerut road is 0.77 MT/day, 5.96 MT/day, 0.33 MT/day and 3.06 MT/day, respectively i.e. a total of 10.12 MT/day.
- Gap of 23.8 MT/day in estimated and actual ETP sludge generation quantity indicates unscientific disposal or poor record keeping.
- Therefore, there is a need of proper monitoring, record keeping system in line with common facilities to be created at cluster level, which should be monitored through SPCB to ensure scientific disposal of ETP sludge.
- Industries at cluster level need to explore methods of scientific reuse/disposal of Secondary sludge.

#### III. Major Issues

- a. Discharge of untreated effluent by pharmaceutical industries.
- b. Periodic purging of effluents having high pollution load from Zero Liquid Discharge (ZLD) industrial units into recipient drains.
- c. Poor operation & maintenance of ETPs by industries discharging effluent resulting in non-compliance with effluent discharge norms and deterioration in water quality of recipient drains/water bodies.
- d. Unscientific disposal of plastic waste (46.79 MT/day), boiler ash (195.52 MT/day) and ETP sludge (23.80 MT/day)
- e. Improper record keeping of freshwater consumption, effluent generation, effluent recycle and effluent discharge.
- f. **Sewage Management:** Out of the 32 industrial units, only three have installed Sewage Treatment Plants (STPs) for treating domestic sewage. Despite the requirement outlined in the Consent To Operate (CTO) or Consent To Establish (CTE) issued to all 32 industrial units, only three have complied by installing STPs.

#### C. Drain

#### I. Dhandera and Jat Mujhera drain system

#### Dhandhera drain from origin to confluence with Jat Mujhera

The Dhandhera drain originates in Kanamheri village at coordinates 29.476284, 77.790211, near M/s Tehri pulp and paper (Figure 9). It has two second-order/ tributaries drains: Jat Mujhera and Begrajpur Industrial drain. Both of these drains receive effluents from industries along Bhopa Road, Jolly Road, Jansath Road, and the Begrajpur industrial area.

Before merging with Jat Mujhera drain, the Dhandhera drain traverse a distance of approximately seven kilometers. Along this stretch, there are 15 industries (out of 21 mentioned in petition filed in OA 540/2023) discharging wastewater into the Dhandhera drain. Wastewater samples collected from the Dhandhera drain before its confluence with Jat Mujhera drain exhibit high color (60-100 Hazen), BOD (38 to 224 mg/l), and COD (113 to 664.8 mg/l). At the upstream of M/s S K Paper, the flow of the drain was measured as 16.206 MLD with a BOD of 192 mg/l, contributing a pollution load of 3.2 TPD at this point.

The Jat Mujhera drain originates at coordinates 29.475030, 77.808448, where it was found dry. Flow in the drain begins near the outlet of M/s Bindlas Duplex Ltd. at Bhopa Road. It covers a total length of approximately 8.02 km before merging with the Dhandera drain. Industries within the catchment area of Jat Mujhera drain include 4 Pulp & Paper establishments at Bhopa Road, 3 at Jolly Road, and 2 Distilleries. High pollution load was observed in Jat Mujhera drain with BOD ranging from 56 to 1480 mg/l and COD ranging from 268 to 2951 mg/l.

After merging with Jat Mujhera drain, the Dhandhera drain continues its course until discharging into the River Kali West at coordinates 29.364904, 77.688793. It covers a distance of around 15 km after confluence with Jat Mujhera drain. Wastewater samples collected from Dhandhera drain at various locations from its confluence Jat Mujhera until its discharge into R. Kali west show high levels of color (50-100 Hazen), BOD (42-903 mg/l), and COD (258-2491 mg/l). Details of Dhandhera and Jat Mujhera drain and Impact of industries is given in Table 5 and 6 respectively.

According to the Uttar Pradesh Pollution Control Board (UPPCB), there are a total of 31 industries located within the catchment area of the Dhandhera drain from its origin to its confluence with River Kali. Among these, 21 industries were inspected as mentioned in the petition filed in OA 540/2023.

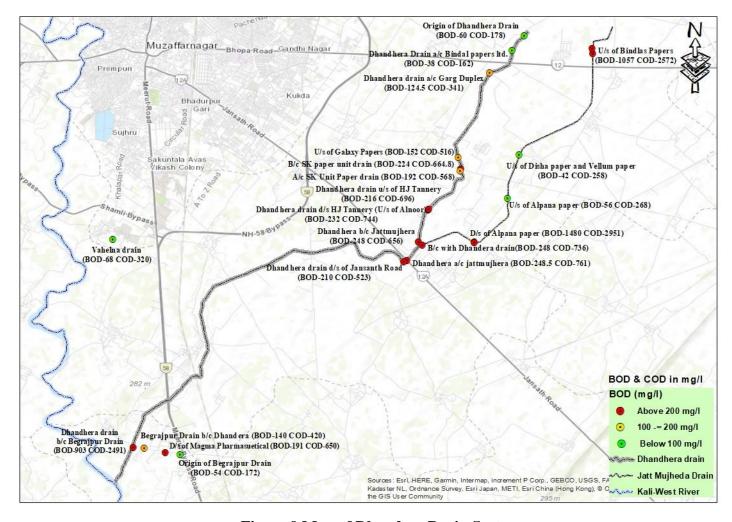


Figure 9 Map of Dhandera Drain System

#### II. Vahelna Drain

The Vahelna drain originates from the industrial area of village Vahelna (29.426395, 77.694847). This drain carries both domestic sewage and industrial effluent. After traveling approximately 2.15 km, it discharges into River Kali West. Samples were taken from the drain after the mixing of domestic and industrial discharge at coordinates 29.425637, 77.688822, just before its confluence with River Kali West. The flow rate of the drain was measured at 0.185 MLD, BOD - 68 mg/l and COD – 322 mg/l According to UPPCB reports, there are 18 industries in the catchment area of the Vahelna drain. Only one industry was mentioned in petition in OA no. 540/2023, and during inspection it was found to be dismantled.

Table 7 Dhandhera drain and Impact of Industries along the drain

		Upstream		Downstream			
Industry Code	Industry name	Code	BOD (mg/l)	Code	BOD (mg/l)	Remark	
A	1. M/s Tehri Pulp & Papers Ltd Unit-1	Dry at origin		D1	60	Flow of drain starts from downstream of Tehri Pulp & Paper unit 1 & 2	

	2. M/s Tehri Pulp &					
	Papers Ltd. Unit-2					
В	<ol> <li>M/s Bindals Papers         Mills Ltd</li> <li>M/s Silvertoan Papers         Ltd. Unit -1</li> <li>M/s Silvertoan Papers         Ltd. Unit-2</li> <li>M/s Meenu Paper Mills         Pvt</li> <li>M/s Silverton Pulp &amp;         Papers Pvt. Ltd. Unit-1</li> </ol>	U1	60	D2	38	Impact: No adverse Impact
	8. M/s Silverton Pulp & Papers Pvt. Ltd.Unit-2					
С	9. M/s Garg Duplex and Paper Mills Pvt	U2	38	D3	124.5	Impact : Increase in BOD
D	10. M/s Galaxy Paper Private limited	U3	152	D4	224	Impact : Increase in BOD
Е	11. M/s S. K. Paper Mills Ltd.	U4	224	D5	192	Impact: No adverse Impact
F	12. M/s Al-Noor Exports	U5	70	D6	90	Impact : Increase in BOD
G	13. M/s Orient Board & Paper Mills Pvt. Ltd.	U6	60	D7	86	Impact : Increase in BOD
Н	14. M/s Genus Paper & Boards Ltd	U7	35	D8	42	Impact : Increase in BOD
I	15. M/s Mahalakshmi Paper Mills	U8	70	D9	82	Impact : Increase in BOD
J	16. M/s Gulshan Polyoles Ltd. 17. M/s K K duplex 18. M/s Saral Chemtech, Khasra 19. M/s Shakti Kraft Tissues	U9	248	D10	32	Impact: No adverse Impact
K	20. M/s Siddheshwari Industries Pvt. Ltd	U10	32	D11	46	Impact : Increase in BOD
L	21. M/s Sangal Industries Pvt Ltd,	U11	46	D12	210	Impact : Increase in BOD
M	Dhandera drain before confluence with river Kali-West	U12	210	D13	903	Impact : Increase in BOD

 $Table\ 8\ Jat\ Mujhera\ drain\ and\ Impact\ of\ Industries\ along\ the\ drain$ 

Industry Code	Industry name	Upstream		Downstream		Remark
M	22. M/s Bindlas Papers Mills Ltd.	Code	BOD (mg/l)	Code	BOD (mg/l)	Kemark

	23. M/s Parijat Papers Ltd	Dry at origin		D1 1057		Impact : High BOD
N	24. M/s Potable Liquor Plant 25. M/s Alpana Papers Private Ltd.	U3	56	D3	1480	Impact : Increase in BOD
0	26. M/s Triveni Engg. Industries Ltd. (Alco Chemical Complex)	U5	1480	D5	248	Impact: No adverse Impact

#### III. Observation

- 1. The Dhandera drain was observed to be dry at its origin. Flow in the drain originates from downstream of the Tehri Pulp & Paper Unit.
- 2. The Dhandhera Drain carries both domestic sewage and effluent discharge from industrial units located along Bhopa Road, Jolly Road, and Jansath Road.
- 3. The Dhandera drain is connected with two major secondary drains, namely the Jat Mujhera and Begrajpur Drain.
- 4. The width of the Dhandera drain measures approximately 3 to 6.5 meters, with a depth ranging from approximately 1.5 to 3.5 feet
- 5. Significant pollution was detected in the Jat Mujhera drain, with BOD levels measuring approximately 1480 mg/l and COD levels around 2951 mg/l.

#### D. Villages and Groundwater

In compliance of Hon'ble NGT order dated 12.09.2023 & 12.12.2023 in OA No. 540/2023 titled Niramaya Jan Utthan Sansthan vs. State of Uttar Pradesh & Ors. A joint team of officials from Central Pollution Control Board (CPCB), Uttar Pradesh Pollution Control Boards (UPPCB) & UP Ground Water Board carried out survey of 23 villages for assessment of groundwater quality. Out of 23 villages, 08 villages are located on Jansath Road (Niraana, Jansath, Bhikki, Shernagar Sikheda, Bahadarpur, Maqsoodabad and Dahkhedi) 07 villages on Bhopa Road (Makhiyali, Jat Mujhera, Chandpur, Tigri, Kasampura, Nagla Buzurg/Naya Gaon and Bhandura), 02 villages on Jolly Road (Bilaspur, Dhandera) 02 villages on Vahelna Road (Jaroda and Vahelna) one village on NH-9 - Sandhawli, one village (Tisang) on Khatauli-Jansath Road, One village (Bahedi) on Saharanpur Road and one village (Charthawal) on Muzaffarnagar-Thanabhawan Road. The survey was carried during 03.01.2024 - 04.01.2024 and 11.01.2024 - 12.01.2024. During the survey samples were collected from 73 locations, out of which groundwater samples were collected from 68 locations, samples from drains were obtained from three distinct locations, namely, one from the pond in Niraana village, another from the sugar Mill drain in Khatauli, and third from Vahelna village. During the survey, joint teams visited the individual villages, interacted with local villagers regarding the ground water usage, quality, problems related to groundwater use, and any observed impacts on health due to diseases potentially linked to groundwater use in villagers.

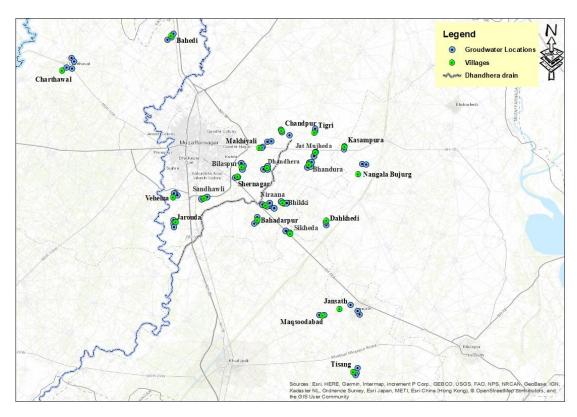


Figure 10 Sampling locations of groundwater in Muzaffarnagar district (Uttar Pradesh)

Analysis of samples were carried out at the UPPCB Laboratory. Analysis result values were compared with permissible limits for individual parameters in Drinking Water Standard of BIS standards for drinking water— IS 10500:2012. The detailed of sampling locations and analysis reports of the samples collected are enclosed as **Annexure – III and IV**.

#### I. Analysis of Groundwater Quality Index, Total hardness and Total dissolved solids

Based on the analysis of groundwater samples collected from the 23 villages visited by the joint team classification of water quality was made based on Groundwater Quality Index, Total hardness and Total Dissolved Solids.

#### **Groundwater Quality Index**

It is a comprehensive measure that assesses the overall health of a water body by considering various parameters such as pH, dissolved oxygen, turbidity, and nutrient levels according to Talpur et al. (2020) and Batabyal and Chakraborty (2015). It takes a holistic approach, considering the collective impact of multiple factors rather than analyzing each data point individually, especially in large datasets where it's not feasible to scrutinize every parameter. It is internationally recognized and published in peer-reviewed journals, ensuring its credibility and reliability. It assigns weightage to each parameter based on their respective impacts, providing a standardized and systematic way to evaluate and monitor water quality over time. Details on Groundwater Quality Index calculation is provided at **Annexure** –  $\mathbf{V}$ .

Groundwater Quality Index is calculated based on nine Water Quality Parameters (pH, TDS, Cl<sup>-</sup>, F, SO<sub>4</sub><sup>-2</sup>, NO<sub>3</sub>-N, Fe and Mn). The Groundwater Quality Index suggests 63.3% of samples under excellent and Good Quality, ~28% of samples under Poor and Very Poor Water Quality and ~8.8% water sample unsuitable for drinking purpose.

Water Quality Index exceeding 300 has been recorded at six location in villages, Jansath (2 locations), Vahelna (1 location) and Tisang (3 locations), indicating water quality unsuitable for drinking.

Water Quality Index ranging between 200 to 300 has been observed at six locations in Maqsoodabad (1 location), Dahkhedi (2 locations), and Jaroda (3 locations), indicating very poor water quality.

**Table 9 Groundwater Quality Index** 

Index			
value	Water quality	No of samples	Percentage of water samples
<50	Excellent	28	41.2
50-100	Good water	15	22.1
100-200	Poor water	13	19.1
200-300	Very poor water	6	8.8

	Water	unsuitable	for		
>300	drinking			6	8.8

#### **Total Hardness Classification**

Total hardness Classification is based on Sawyer and McCarty's classification system, proposed in 1967. It offers a structured framework for assessing water quality based on total hardness. Total hardness, typically measured in terms of calcium carbonate (CaCO<sub>3</sub>) concentration, categorizes water into four classes: soft, moderately hard, hard, and very hard. Soft water contains less than 75 mg/L of CaCO<sub>3</sub>, while very hard water exceeds 300 mg/L. This classification aids in understanding water's suitability for various purposes, such as drinking, agricultural, and industrial use, as hardness can affect soap effectiveness, scale formation, and corrosion rates in pipes and equipment.

Total Hardness of groundwater data varies from 126 to 945 mg/l. Around 50% samples were in category of very hard, 47% in Hard and only 3% of moderate hardness. Hardness is the amount of dissolved calcium and magnesium in the water. Water moving through soil and rock dissolves naturally occurring minerals and carries them into the groundwater as it is a great solvent for calcium and magnesium. The high concentration of TH in groundwater may cause kidney stone in human beings.

Table 10 Water Quality Classification based on Total hardness

TH Value	Water Quality	No of	Percentage of
111 value	Water Quanty	Samples	Samples
<75	Soft	0	0.0
75-150	Moderately hard	2	2.9
150-300	Hard	32	47.1
>300	Very hard	34	50.0

#### **Total Dissolved Solids (TDS)**

Total Dissolved Solids classification is based on Davis and De Wiest (1966) classification system. The TDS classification system delineates water into categories based on its dissolved solids content. This classification provides insights into water's salinity levels, which impact its palatability, suitability for irrigation, and effects on ecosystems. TDS is the weight of residue remained after a water sample is evaporated to dry state. It includes calcium, magnesium, sodium, potassium, carbonate, bicarbonate, chloride and sulphate. In the present survey data, it ranges between 171.4 to 1352 mg/l. The agricultural practices, residential runoff, leaching of soil causing contamination and point source water pollution discharge from industrial or sewage treatment

plants are the primary sources for TDS (Boyd 2000). Based on TDS classification, water quality of 95.6% samples falls under Drinking water either Desirable or permissible drinking water quality and 4.4% of samples useful for Irrigation purpose only.

Table 11 Water Quality Classification based on TDS

TDS Value	Water Quality	No of Samples	Percentage of Samples
< 500	Desirable for Drinking	47	69.1
500 – 1000	Permissible for Drinking	18	26.5
1000 - 3000	Useful for irrigation	3	4.4
>3000	Unfit for drinking and irrigation	0	0.0

#### II. Analysis of heavy metals in groundwater samples

During joint inspection of 23 villages, it was found that approximately 22 villages had high iron concentrations in their groundwater, ranging from 0.02 to 13.6 mg/l. A total of 87% of the samples collected for heavy metal analysis (59 out of 68 samples) exceeded the maximum permissible limit of 0.3 mg/l, as per the drinking water standards (IS:10500:2012). Villages with iron concentrations surpassing the permissible limits include Jansath, Niraana, Charthawal, Bahedi, Tisang, Vahelna, Jaroda, Bilaspur, Dhandhera, Bhandura, Nagla Buzurg, Kasampura, Tigri, Chandpur, Jat Mujhera, Makhiyali, Dahkhedi, Maqsoodabad, Sikheda, Shernagar, Bhikki, and Sandhwali.

The elevated iron concentrations observed in Uttar Pradesh, as reported by Kalicharan (2007), indicated significant metal ion content in the surveyed wells. The increased iron concentration may be attributed to the corrosion of pump components (Langaneger, 1987) and the interaction between oxidized iron minerals and organic matter, leading to the dissolution of Fe<sub>2</sub>CO<sub>3</sub> at a lower pH (Mondal et al., 2010). Despite initially clear well water, it quickly turned cloudy and brown due to Fe(OH)<sub>3</sub> precipitation. Another factor contributing to heightened iron concentration is the depletion of dissolved oxygen by organic matter, resulting in reduced conditions. Under such conditions, the solubility of iron-bearing minerals increases, enriching dissolved iron in groundwater (Applin and Zhao, 1989; White et al., 1991). Most studies suggest that the high iron values are primarily due to geogenic factors.

During joint inspection of 23 villages, it was found that 13 villages exhibit elevated concentrations of Manganese (Mn), ranging from 0.313 to 7.57 mg/l. A total of 48% of the heavy metal samples collected (33 out of 68 samples) surpass the maximum permissible limit of 0.3 mg/l, according to the drinking water standards (IS:10500:2012). Villages with Mangnese concentrations was found surpassing the permissible limits of 0.3 mg/l include Jansath, Charthawal, Bahedi, Tisang,

Vahelna, Jaroda, Nagla Buzurg, Chandpur, Bahadarpur, Makhiyali, Dahkhedi, Maqsoodabad and Shernagar.

Manganese occurs naturally in groundwater, particularly in anaerobic environments. Its concentration is influenced by factors such as rainfall chemistry, aquifer lithology, geochemical conditions, groundwater flow paths, and residence time, which can vary significantly in both space and time. The release of manganese may occur through leaching from overlying soils, minerals in underlying rocks, and minerals within the aquifer itself.

During joint inspection of 23 villages, it was found that 19 villages exhibit elevated concentrations of sulphides, ranging from 0.22 to 2.3 mg/l. A total of 71% of the samples collected for general parameters (48 out of 68 samples of groundwater) exceed the maximum permissible limit of 0.05 mg/l, according to the drinking water standards (IS:10500:2012).

The villages where sulphide concentrations surpassed permissible limits include Charthawal, Bahedi, Tisang, Bilaspur, Dhandhera, Bhandura, Maqsoodabad, Shernagar, Bhikki, Niraana, Makhiyali, Sikheda, Bahadarpur, Chandpur, Jansath, Jaroda, Jat Mujhera, Vahelna and Sandhwali. According to the research conducted by Ram et al. in 2021, the dissolution and leaching of sulphate from rocks containing gypsum, iron sulfides, and other sulfur-bearing compounds could lead to elevated concentrations of sulphate and chloride in groundwater.

During joint inspection of 23 villages, it was found that 10 villages exhibit elevated concentrations of fluoride, ranging from 1.527 to 2.74 mg/l. A total of 30.88 % of the general parameter samples (21 out of 68 groundwater samples) exceed the maximum permissible limit of 1.5 mg/l, according to the drinking water standards (IS:10500:2012). Villages where fluoride concentrations surpassed permissible limits include Maqsoodabad, Jansath, Makhiyali, Jaroda, Vahelna, Tisang, Bahedi, Bahadarpur, Shernagar and Charthawal.

Several studies conducted across various areas in Uttar Pradesh, such as by Ram et al., 2021 in Mahoba District; Kumar et al, 2021 in Lucknow; Ali et al., 2016, Agra; Verma et al., 2023 in Lakhimpur (Kheri); revealed similar findings on elevated fluoride concentration. The research suggests that the lower concentration of Ca2+ in the groundwater facilitates the chemical weathering and dissolution of fluorite, leading to an increased fluoride concentration. Fluoride (F) in groundwater is geogenic in nature. Groundwater contains fluorides released from various fluoride-bearing minerals, primarily due to groundwater-host rock interaction.

#### III. Other observations

- The Chief Medical Officer vide letter dated 05.02.2024, has submitted that based on data available via health camps and OPDs during April, 2023 to January, 2024, no serious disease/health issue found in the villages as mentioned in the complaint. However, 05 cancer cases were reported in village Nara, which was not mentioned in complain and not surveyed.
- In villages where alternative water sources such as submersible pumps or household connections from the Jal Jeevan Mission are available, handpumps are not utilized for drinking water.

- Across most villages, there is a lack of infrastructure for wastewater treatment from households, including sewage, or proper discharge mechanisms for wastewater into drains or rivers. Consequently, wastewater accumulates in unlined ponds within and around the villages, which are not routinely cleaned.
- During the site visit, the team observed wastewater-filled ponds alongside deteriorating vegetation, solid waste, and sludge accumulation.
- The utilization of ponds in nearly all villages for wastewater discharge may contribute to groundwater contamination in the villages and surrounding areas.
- Team has observed deposition of ashes on vegetation and trees in nearby farms of Bhandura village as well as suspended ash particle in the air near the village.
- The majority of residents in the villages have reported no significant diseases, health-related concerns, or unusual spikes in health issues in the village.

#### 4. Recommendations

#### A. Industry

#### I. Pulp & Paper industries

- a. All Pulp & Paper industries shall:
  - ➤ Install Rotary drum screener at ETP inlet for separation of plastics & other coarse fractions (or other floating materials) from raw effluent stream and collected plastics shall be disposed scientifically.
  - ➤ Install electromagnetic flow meter with totalizer at ETP Inlet, ETP outlet, effluent recycle line at ETP and effluent reuse point, and maintain logbooks for the same on daily basis.
  - Install separate flow meter with totalizer at all freshwater consumption points such as process area, domestic consumption and boiler, and maintain logbooks for the same on daily basis.
  - ➤ Ensure scientific disposal of solid waste (i.e. Plastic waste, boiler ash and ETP sludge) and maintain proper records of generation and disposal.
- b. Agro residue (B1 & B2 category) based industries shall upgrade/augment their ETP by installing secondary biological treatment system (either anaerobic-aerobic treatment or 02 stage extended aeration system in series) followed by tertiary treatment units consisting of filtration system (i.e. Pressure Sand Filter, Activated Carbon Filter followed by Micro-filtration/Ultrafiltration). For treatment of effluent generated from wet washing section, industries shall install anaerobic treatment unit.
- c. Waste paper/recycle fiber (C1 & C2 category) based industries operating at ZLD must:
  - ➤ Upgrade/augment their ETP by installing secondary biological treatment (anaerobic-aerobic)
  - ➤ Ensure 70 % reduction in BOD & TSS after secondary biological treatment stage.
  - ➤ Ensure that characteristics of recycled water used in process (in closed loop) shall meet BOD <2000 mg/l; COD < 4000 mg/l and TSS < 400 mg/l.
- d. Waste paper/recycle fiber (C1 & C2 category) based industries operating at ZLD may also explore other advance technologies available like advance oxidation, membrane filtration, electro-oxidation etc. for complete reuse/recycling to ensure ZLD.
- e. Waste paper/recycle fiber-based industries (C1 & C2) discharging treated effluent shall:
  - ➤ Upgrade/augment their ETP by installing physico-chemical treatment, secondary biological treatment (either anaerobic-aerobic treatment or 02 stage extended aeration system in series) followed by tertiary treatment units consisting of filtration system (i.e. Pressure Sand Filter, Activated Carbon Filter followed by Micro-filtration/Ultrafiltration).
  - ➤ Explore other advance effluent treatment technologies available like advance oxidation, membrane filtration etc. to ensure consistent compliance with stipulated discharge norms.

#### II. Other industries

- a. All industries shall:
  - ➤ Improve Operation & Maintenance of ETP
  - Install electromagnetic flow meter with totalizer at ETP Inlet, ETP outlet, effluent recycle line at ETP and effluent reuse point, and maintain logbooks for the same on daily basis.
  - ➤ Install separate flow meter with totalizer at all freshwater consumption points such as process area, domestic consumption and boiler, and maintain logbooks for the same on daily basis.
  - Explore the possibility of reuse of treated effluent to maximum extent
  - ➤ Ensure scientific disposal of solid waste (i.e. Boiler ash and ETP sludge) and maintain proper records of generation and disposal.
- b. Pharmaceutical industries shall:
  - ➤ Provide provision of segregation of high and low COD effluent streams
  - ➤ Setup evaporation-concentration/incineration system for high COD effluent stream having recalcitrant substances
  - ➤ Setup three stage ETP system (consisting of Primary, Secondary (biological aerobic) and tertiary treatment (i.e. Pressure Sand Filter, Activated Carbon Filter followed by Micro-filtration/Ultrafiltration) for weak strength low COD effluent stream and also explore other advance treatment technologies available
  - ➤ Install OCEMS at ETP outlet and provide connectivity with CPCB/SPCB servers
- c. Sugar industries shall:
  - ➤ Install DO sensor with display in the aeration tanks to optimize the power consumption of air blowers
  - ➤ Explore the feasibility of anaerobic treatment unit in ETP for energy saving and improved treatment efficiency
- d. Distillery industry shall restrict the impermeable storage capacity of spent wash at any stage to 07 days equivalent of production and excess storage facilities beyond this shall be levelled/ dismantled.
- e. Slaughterhouse industry shall:
  - > Install anaerobic treatment unit in ETP for energy saving and improved treatment efficiency
  - ➤ Install DO sensor with display in the aeration tanks to optimize the power consumption of air blowers
  - ➤ Install ammonia gas sensors with alarm system in ammonia plant.
  - ➤ Install disinfection unit in ETP to ensure safe reuse of treated effluent in lairage section, floor washing in external areas

- f. Food processing industry shall:
  - ➤ Install DO sensor with display in the aeration tanks to optimize the power consumption of air blowers
  - ➤ Install OCEMS at ETP outlet and provided connectivity with CPCB/SPCB servers
  - ➤ Ensure marking and color coding of all ETP lines and dismantle the unnecessary pipelines nearby ETP area
- g. Low cost decentralised techniques (such as Constructed wetlands, Phyto-remediation, Root zone treatment etc.) which require low energy, capital and less skilled manpower may be explored for rejuvenation of recipient drains namely Dhandera, Jat Mujheda and begrajpur industrial drain.

#### III. Begrajpur Industrial Area

#### Action Plan

- ➤ UPPCB along with the district administration carry out inspection of these industries for assessment of existing effluent treatment, emission control infrastructure, Hazardous waste management facility of the operating industries.
- ➤ Relevant CPCB SOPs such as for recycling of lead scrap and lead acid battery, recycling of waste tyre and checklist of minimum requisite facilities for utilization of hazardous waste under rule 9 of Hazardous Waste Management Rules-2016 for metal & metal bearing waste for recovery of metal salts alloys may be referred for inspection of metal processing units.
- ➤ UPPCB may carry out 24-hour monitoring of flow & waste water characteristics (composite sampling) of Begrajpur drain to assess the actual potential of discharging pollution load.
- ➤ Operation of units discharging acidic/ alkaline effluent without proper neutralization shall be immediately stopped.
- ➤ Industries operating without adequate infrastructure of effluent treatment & emission control devices shall be stopped.
- > Stored legacy hazardous waste shall be transferred to the TSDF site for scientific disposal to rule out possibility of illegal disposal in to the drain.
- ➤ Possibility of transfer of effluent through tanker to the nearest Common Effluent Treatment Plant (CETP) for proper treatment may be explored.
- ➤ UPPCB/UPSIDC may install real time ambient air quality monitoring station in industrial area and real time effluent monitoring system in Begrajpur drain.
- ➤ UPPCB may also carry out feasibility study (effluent characteristics & load, topography of industrial area, land availability etc.) for requirement of CETP with advance technologies in Begrajpur industrial area in consensus with the operating industries in the area.

- ➤ Facilitation programme for industrial units for adoption of cleaner technology, waste minimization practices and water conservation. Implementation of sector specific charter in textile and distillery sector units.
- ➤ Health impact study of workers and nearby villagers exclusively lung and metal toxicity study by district administration.
- A number of battery recycling and metal processing units located in industrial area Begrajpur have been granted Consent to operate with ZLD condition. However, such units also discharge highly acidic effluent (pH<2) having high metal concentration generated from washing of empty plastic bodies of batteries, washing of working floor area. Purging / re-casting of metallic anode and cathode also generate effluent with high concentration of heavy metals. Discharge of untreated effluent from textile processing and chemical units contributed high Color, BOD, COD, Sulphide and Chloride concentration.
- ➤ The existing waste management practices adopted by ZLD units as well as other discharging units shall be reviewed and Consent to operate may be revised accordingly.
- ➤ Air Pollution and its Control: Other than acidic & volatile organics fumes, Obnoxious odour, fugitive emissions of smoke and particulate matter were observed during the evening hours, making the air severely polluted and unfit for breathing. It is proposed that continuous Ambient Air Quality Monitoring Stations should be installed at minimum two locations in UPSIDA industrial area Begarajpur.
- ➤ Hazardous and Other Wastes: Sludge and other wastes dumped in unscientific manner, need to be controlled and a TSDF site may be constructed to cater the needs of the industries located in Muzaffarnagar area so as to prevent contamination of ground water and soil.

# IV. <u>Action Plan for Non-paper solid waste namely, Plastic Waste, Boiler Ash, ETP Sludge and surface drain</u>

The action plan aims to establish a robust framework for the effective handling, disposal, and monitoring of Plastics Waste, Boiler Ash and ETP sludge generated by industrial units.

#### **Key Components**

#### 1. Constitution of a Society and Special Purpose Vehicle (SPV)

- 1.1. **Society Formation**: A society shall be constituted, comprising all relevant stakeholders, including industrial units and regulatory bodies. The State Pollution Control Boards (SPCBs) shall facilitate the establishment of this society.
- 1.2. **Special Purpose Vehicle (SPV)**: The society shall create an SPV specifically dedicated to managing Plastics Waste, Boiler Ash and ETP sludge generated by industrial units.

#### 2. Membership and Participation

2.1. **Membership**: All industrial units within the sector must be members of the society. This ensures collective responsibility and participation in waste management efforts.

#### 3. Waste Generation and Record Keeping

3.1. **Logbook Maintenance**: Member units must maintain a logbook that records waste quantities, types, and disposal methods. This logbook will serve as a crucial reference for waste management audits and assessments.

#### 4. Supervision and Payment

- 4.1. **SPCB Supervision**: The SPCBs shall supervise waste management practices within member units. This includes overseeing waste handling, transportation, disposal and verification through logbook & manifest system slip
- 4.2. **Cost Allocation**: Member units shall bear the cost associated with waste management, including transportation, treatment, and final disposal.

#### **5. SPV Responsibilities**

#### Special Purpose Vehicle (SPV) Responsibilities in Hazardous Waste Management

The SPV will play a crucial role in ensuring compliance with regulations governing the transportation of hazardous industrial waste.

#### Responsibilities related to Hazardous Waste Transportation:

#### 1. Manifest System Facilitation:

- The SPV will facilitate the proper use of the six-copy manifest system.
- This includes ensuring generators and transporters understand the color-coded copies and their designated actions:
  - White Copy: Forwarded to the State Pollution Control Board (SPCB) by the generator.
  - o **Light Yellow Copy:** Signed and returned to the generator by the transporter.
  - o **Pink Copy:** Retained by the disposal facility operator.
  - o **Orange Copy:** Returned to the transporter by the facility after accepting waste.
  - o **Green Copy:** Forwarded to the SPCB by the facility after disposal.
  - o **Blue Copy:** Returned to the generator by the facility after disposal.

#### 2. Awareness and Implementation:

- The SPV will actively promote awareness among member units regarding proper packaging, labeling, and manifest system requirements for waste transportation.
- The SPV will collaborate with SPCBs to ensure member units receive guidance on:
  - o Safe handling, storage, and transportation of waste.
  - Accurate labeling of waste containers, including information on corrosive, reactive, ignitable, or toxic properties.

#### 3. Information Dissemination:

• The SPV will provide member units with access to relevant information regarding the Transport Emergency (TREM) Card (Form 10). This card details the hazardous nature of the waste and necessary emergency measures.

#### 4. Data Management and Reporting:

• **Transit and Disposal Records**: The SPV shall maintain records of waste transit and final disposal. These records will include details such as transportation routes, disposal sites, and quantities.

- Quarterly and Monthly Reporting: The SPV shall submit quarterly and monthly reports to both member units and the SPCBs. These reports will outline waste management activities, progress, and compliance with regulations.
- Verification by SPCBs and maintaining compliance: The SPV will collaborate with SPCBs in identifying potential compliance issues and reporting any discrepancies encountered during the transportation process. The SPCBs will verify the accuracy and completeness of the SPV's records. This ensures transparency and accountability in Plastics Waste, Boiler Ash and ETP sludge management practices.

#### B. Drain

#### Action plan for rejuvenation of Dhandera and Jat Mujhera drain

The industrial cluster have four major drains: Dhandhera drain, Jat Mujhera drain, Vahelna drain, and Begrajpur industrial drain, spanning lengths of 21 km, 8 km, 2.15 km, and 1.5 km respectively. Notably, both the Jat Mujhera and Begrajpur drains discharge into the Dhandhera drain. These drains do not have freshwater and carries partially treated industrial effluents along with episodal purging from industries engaged in zero liquid discharge (ZLD) practices and legacy solid waste.

To address the pressing need for rejuvenation, it is imperative to adopt zero-energy, zero-chemical use technologies requiring minimal maintenance and handling. The Central Pollution Control Board (CPCB) has formulated guidelines on "Alternative Treatment Technologies for Wastewater Treatment in Drains," pursuant to the directives of the National Green Tribunal (NGT) in the case of OA No. 06/2012, titled Manoj Mishra Vs Union of India & Ors. The guidelines advocate for the implementation of Constructed Wetland Systems (CWS), recognized globally as an effective and environmentally sustainable approach for wastewater treatment. Constructed wetlands utilize diverse plant species and microbial communities to biodegrade pollutants without the need for external energy sources.

The efficacy of CWS has been demonstrated at Neela Hauz Lake near Sanjay Van in New Delhi, where a collaboration between the Centre for Environmental Management of Degraded Ecosystems (CEMDE), Delhi University, and the Delhi Development Authority (DDA) has led to a remarkable 90% reduction in biochemical oxygen demand (BOD) and the restoration of the oncedegraded lake. CEMDE experts have surveyed the Muzaffarnagar industrial cluster and identified seven locations for the establishment of CWS in the industrial cluster. The U.P. Pollution Control Board (UPPCB) may be designated as the nodal agency for implementation. The costs associated with constructing these wetlands may be shared between the industrial cluster as part of corporate social responsibility initiatives and government agencies like the National Mission for Clean Ganga (NMCG). It is estimated that the CWS will require 1-2 years to become fully operational once implemented.

Details of possible locations selected based on the topology of drain for setting up Constructed wetland system during survey are tabled below;

Table 12 Details of possible location for setting up Constructed Wetland Systems (CWS)

Partic	Drain type	Co-ordinate	Location	Flow	Ecological	Remarks	Photo
ulars				condition	condition		
CWS-	Dhandera	29.468285	Bhopa road	Flow	Wetland	Highly	
1		77.785053	d/s for	around	plants like	silted	
			industrial	3.5 MLD	Phragmites		
			cluster	Flow	, Typha		
				width-4	observed		
				mtr.			
				Flow			10.6 KM, Bhopa Rd, Uttar Pradesh 251308, India, Lat 29.469598, Long. 77.807587
				depth- 0.2			30 Jan, 24, 12:56 pm, Tuesday
				mtr.			
CWS-	Jat Mujhera	29.467504	Bhopa road	Flow	Wetland	Highly	
2		77.807097	d/s for	around 1	plants like	silted,	
			industrial	MLD	Phragmites	observed	
			cluster	Flow	, Typha	dry u/s of	
				width-4	observed	industrial	
				mtr.		area	<b>一种</b> 有证据
				Flow			
				depth- 0.2			
				mtr.			
CWS-	Dhandera	29.442093	Jolly road	Flow	Wetland	Highly	
3		77.774533	d/s for	around 5	plants like	silted	
			industrial	MLD	Phragmites		
			cluster	Flow	, Typha		
				width-4	observed		
				mtr.			
				Flow			
				depth- 0.1			CQV8+XX3, Dhandhera, Uttar Pradesh 251203, India, Lat: 29,445227, Long: 77,767916
				mtr.			30 Jan. 24, 02:33 pm, Tuesday

CWC	Lot Marile are	20.420201	Iolly	Elevy	Wetland	III able	
CWS-	Jat Mujhera	29.439301, 77.786020	Jolly road	Flow		Highly	
4		/7./86020	d/s for	around 4	plants like	silted	Alma la
			industrial	MLD	Phragmites		
			cluster	Flow	, Typha		
				width-4	observed		
				mtr.			
				Flow			CQQP+RX, Shikhredaa, Uttar Pradesh 251203, India, Lat: 29.439876, Long: 77.787224
				depth- 0.2			30 Jan, 24, 01:51 pm, Tuesday
CIVIC	DI I	20. 422.672	T .1 1	mtr.	*** .1 1	TT: 11	
CWS-	Dhandera	29.422672	Jansath road	Flow	Wetland	Highly	
5		77.757466	d/s for	around 5	plants like	silted	
			industrial	MLD	Phragmites		
			cluster	Flow	, Typha		
				width-4	observed		
				mtr.			
				Flow			CQV8+XX3, Dhandhera, Uttar Pradesh 251203, India,
				depth- 0.2			Lot: 29.445227. Long: 77.767916 30 Jan. 24. 02:33 pm. Tuesday
				mtr.			
CWS-	Dhandera	29.387939,	u/s of	Flow	Wetland	Highly	
6		77.704233	national	around 15	plants like	silted	A STATE OF THE STA
			highway	MLD	Phragmites		
				Flow	, Typha		
				width-25	observed		
				mtr.			
				Flow			CP32+C43, NH334, Bahadarpur, Uttar Pradesh Lat: 29.404826, Long: 77.700562 30 Jan. 24, 03:58 pm, Tucaday
				depth- 0.2			
				mtr.			
CWS-	Dhandera	29.373186,		Flow	Wetland	Highly	
7		77.692426	confluence	around 20	plants like	silted	
			of	MLD	Phragmites		
			Begrajpur	Flow	, Typha		
			drain	width-25-	observed		
				30 mtr.			THE
				Flow			9MFV+P98, Begrajpur Industrial Area, Uttar Pradesh Lat: 29.374170, Long: 77,693661
				depth- 0.3			30 Jan. 24, 11:46 am. Tuesday
				mtr.			

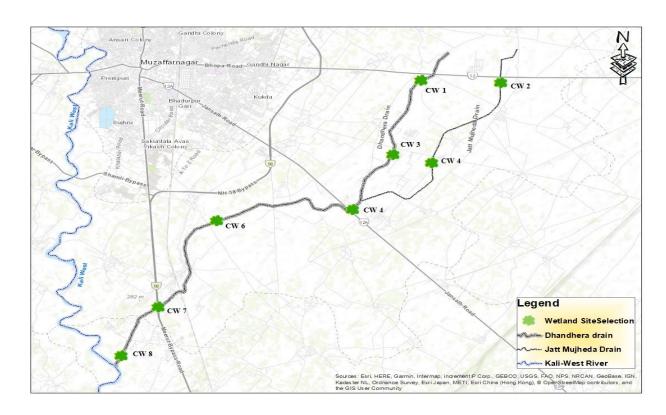


Figure 11 Catchment area of drains showing possible locations for setting up CWS

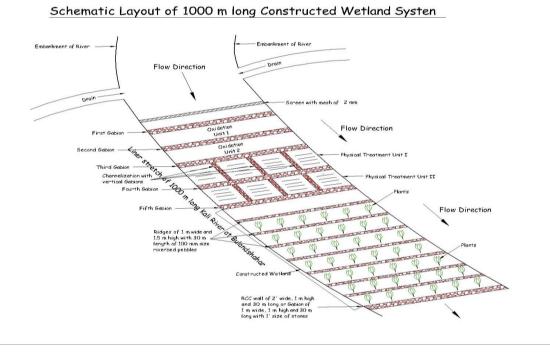


Figure 12 Schematic layout of Constructed Wetland System

### **Native Flora for CWS**



Figure 13 Native flora for CWS in Dhandhera and Jat Mujhera drain system

### C. Action Plan

# I. <u>Violations/ activities requiring immediate action (Industrial units having either no ETP or incomplete ETP for effluent treatment)</u>

S.	Action Points	Executing	Nature	Timeline
No.		agency	(Mandatory/	for execution
1.	Inspection of industries in Begrajpur industrial area for assessment of existing effluent treatment, emission control infrastructure, Hazardous waste management facility	UPPCB along with the district administration	Optional) Mandatory	03 months
2.	24 hour monitoring of flow & waste water characteristics (composite sampling) of Begrajpur drain to assess the actual potential of discharging pollution load	UPPCB	Mandatory	03 months
3.	Immediately stop the operation of unit discharging untreated effluent or operating without adequate infrastructure for effluent treatment & emission control in Begrajpur industrial area	UPPCB along with the district administration	Mandatory	03 months
4.	Stored legacy hazardous waste in Begrajpur industrial area shall be transferred to the TSDF site for scientific disposal to rule out possibility of illegal disposal in to the drain during rainy season	UPPCB along with the district administration	Mandatory	03 months
5.	Legacy solid waste (plastic waste, ETP sludge and boiler ash) dumped at different locations in Muzaffarnagar shall be transferred to the TSDF and authorized recyclers for scientific disposal	UPPCB along with the district administration	Mandatory	03 months
6.	Carry out feasibility study (Effluent characteristics & load, topography of industrial area, land availability etc.) for requirement of Common effluent Treatment Plant (CETP) with advance technologies in Begrajpur industrial	UPPCB and Industry association	Mandatory	06 months

S.	Action Points	Executing	Nature	Timeline	
No.		agency	(Mandatory/ Optional)	for execution	
	area in consensus with the operating industries in the area		,		
7.	Provide provision of segregation of high and low COD effluent streams		Mandatory	01 month	
8.	Setup evaporation-concentration/ incineration system for high COD effluent stream having recalcitrant substances	Pharmaceutical	Mandatory	06 months	
9.	Setup three stage ETP system (consisting of Primary, Secondary (biological aerobic) and tertiary treatment) for weak strength low COD effluent stream along with condensate from high COD stream and also explore other advance treatment technologies available	industries	Mandatory	06 months	
10.	Restrict the impermeable storage capacity of spent wash at any stage to 07 days equivalent of production and excess storage facilities beyond this shall be levelled/ dismantled	Distillery industry (Molasses based)	Mandatory	03 months	
Act	tion Plan for non-paper solid waste na and sur	mely, Plastic Waste face drain	, Boiler Ash, E	TP Sludge	
11.	Constitution of a Society and Special Purpose Vehicle (SPV)	UPPCB and Industrial Cluster	Mandatory	1 Month	
12.	Agreement and Membership for Society and SPV	Industrial Cluster	Mandatory	1 Month	
13.	Action plan for non-paper solid waste namely, Plastic Waste, Boiler Ash, ETP Sludge and surface drain	Industrial Cluster	Mandatory	2 Months	
14.	Waste Generation and Record Keeping	Industrial Cluster and SPV	Mandatory	2 Months Onwards	

S.	Action Points	Executing	Nature	Timeline
No.		agency	(Mandatory/	for
			<b>Optional</b> )	execution
15.	Verification of end-to-end waste disposal	SPV and UPPCB	Mandatory	2 Months Onwards
16.	Data Management and Reporting	Industrial Cluster and SPV	Mandatory	2 Months Onwards

# II. <u>Violations/activities requiring technological intervention (Industrial units having trivial violation in compliance with discharge norms due to inefficient operation & maintenance of ETP/ZLD system)</u>

S. No.	Action Points	Executing agency	Nature (Mandatory/ Optional)	Timeline for execution
	General re	commendations	· · ·	
1.	Install flow meter with totalizer (electromagnetic, ultrasonic etc.) at ETP Inlet, ETP outlet, effluent recycle line at ETP and effluent reuse point, and maintain logbooks for the same on daily basis	All industries	Mandatory	01 month
2.	Install separate flow meter with totalizer (electromagnetic, ultrasonic etc.) at all freshwater consumption points such as process area, domestic consumption and boiler, and maintain logbooks for the same on daily basis	All industries	Mandatory	01 month
3.	Installation of fine screen (ex. Rotary drum screen/Hill screen) at ETP inlet for separation of plastics (or other floating materials)	All Pulp & Paper industries	Mandatory	03 months
4.	Improve Operation & Maintenance of ETP (i.e. MLSS > 3000 mg/l, DO – 2	All industries	Mandatory	-

S. No. 5.	ppm, MLVSS/MLSS ratio – 0.6 to 0.8)  Installation of DO sensor (with display) in the aeration tanks to optimize the power consumption of air blowers	Executing agency  All industries	Nature (Mandatory/ Optional)  Optional	Timeline for execution
	1211 u	psi uuunon		
6.	Installation of secondary biological treatment system (either anaerobicaerobic treatment or 02 stage extended aeration system in series) followed by tertiary treatment units consisting of filtration system (i.e. Pressure Sand Filter, Activated Carbon Filter followed by Microfiltration/Ultrafiltration)  a. Preparation of DPR  b. Award of work order  c. Construction, installation and commissioning	Agro residue (B1 & B2 category) based Pulp & Paper industries	Mandatory	Total – 01 Year  03 months  03 months  06 months
7.	Installation of anaerobic unit for treatment of wet washing effluent	Agro residue (B1 & B2 category)	Mandatory	Total – 12 months
	a. Award of work order	based Pulp &		03 months
	b. Construction and commissioning	Paper industries		09 months
8.	Installation of secondary biological treatment (anaerobic-aerobic) and ensure 70-75 % reduction in BOD & TSS after secondary biological treatment stage	Waste paper/recycle fiber (C1 & C2 category) based	Mandatory	12 months

S. No.	Action Points	Executing agency	Nature (Mandatory/ Optional)	Timeline for execution
9.	Ensure characteristics of recycled water used in process (in closed loop) shall meet BOD <2000 mg/l; COD < 4000 mg/l and TSS < 400 mg/l.	industries operating at ZLD	Mandatory	06 months after upgradation
10.	Explore other advance technologies available like advance oxidation, membrane filtration, electro-oxidation etc. for complete reuse/recycling to ensure ZLD		Optional	-
11.	Installation of physico-chemical treatment, secondary biological treatment (either anaerobic-aerobic treatment or 02 stage extended aeration system in series) followed by tertiary treatment units consisting of filtration system (i.e. Pressure Sand Filter, Activated Carbon Filter followed by Microfiltration/Ultrafiltration)	Waste paper/recycle fiber based industries (C1 & C2) discharging treated effluent	Mandatory	12 months
12.	Explore other advance technologies available like advance oxidation, membrane filtration, electro-oxidation etc. to ensure consistent compliance with stipulated discharge norms		Optional	-
13.	Install OCEMS at ETP outlet and provide connectivity with CPCB/SPCB servers	Pharmaceutical industries	Mandatory	03 months
14.	Explore the feasibility of anaerobic treatment unit in ETP for energy saving and improved treatment efficiency	Sugar industries	Optional	-

S. No.	Action Points	Executing agency	Nature (Mandatory/ Optional)	Timeline for execution	
15.	Restrict the impermeable storage capacity of spent wash at any stage to 07 days equivalent of production and excess storage facilities beyond this shall be levelled/ dismantled	Distillery industry (Molasses based)	Mandatory	03 months	
16.	Install ammonia gas sensors with alarm system in ammonia plant		Mandatory	03 months	
17.	Install disinfection unit in ETP to ensure safe reuse of treated effluent in lairage section, floor washing in external areas	Slaughterhouse industry	Mandatory	03 months	
18.	Explore the feasibility of anaerobic treatment unit in ETP for energy saving and improved treatment efficiency		Optional	-	
19.	Install OCEMS at ETP outlet and provide connectivity with CPCB/SPCB servers	Food processing industry	Mandatory	03 months	
20.	Ensure marking and color coding of all ETP lines and dismantle the unnecessary pipelines nearby ETP area		Mandatory	03 months	
	Begrajpur	industrial area	1		
21.	Possibility of transfer of effluent through tanker to the nearest CETP for proper treatment may be explored	UPPCB	Optional	-	
22.	Installation of real time ambient air quality monitoring station in industrial area and real time effluent monitoring system of Begrajpur drain	UPPCB/UPSIDC	Optional	-	
	Dhandera and Jat	Mujheda drain syst	tem		

S. No.	Action Points	Executing agency	Nature (Mandatory/ Optional)	Timeline for execution
23.	Design of Constructed Wetland System based on the topology and waste water characteristic of drain	Irrigation department in consultation with UPPCB and expert agency like CEMDE or others	Optional	3-6 months
24.	Desilting of drains up to bed level and strengthening of bunds with desilted Material	Irrigation department	Optional	Once in a year
25.	Vegetation development on embankments of restored drain.	Irrigation/Forest department in consultation with	Optional	1-2 year
26.	Setting up of series of in-situ constructed wetland systems where width of drain is maximum based on flow & wastewater characteristics of drain at that location	UPPCB and expert agency like CEMDE or others	Optional	1-2 year
27.	Follow up monitoring of wastewater quality of drains	UPPCB	Optional	Fortnightly
28.	Supply of drinking water in 10 villages having high content of fluoride and water quality index more than 200 (water is not fit for drinking)	UPJN, District Administration	Mandatory	06 months
29.	Sealing of bore-wells (12 nos.) having water quality index more than 200 (water is not fit for drinking)	UPJN, District Administration	Mandatory	Within 1 month
30.	Development of common facility (i.e., sanitation, drinking water supply, approach road widening & afforestation) in all industrial clusters namely Bhopa Road, Jansath Road, Jolly Road, Begrajpur & Vahelna	UPJN, District Administration	Mandatory	12 months

- ➤ The aforementioned action plan will be implemented for both Pulp & Paper industries and other industries in Muzaffarnagar, Uttar Pradesh, irrespective of whether they are listed in the petition filed under O.A. No. 540/2023 or not.
- > A detailed schematic diagram of proposed ETP is enclosed as Annexure VI.
- > A detailed inspection report of 32 industries monitored by Joint Committee is enclosed as Annexure VII.

#### Joint Committee:

S. no.	Name & designation of committee member	Organization	Signature			
1.	Shri Vikash Kashyap, City Magistrate, Muzaffarnagar	District Administration (Nodal agency)	Va-			
2.	Dr AK Vidyarthi, Director (Scientist 'F') and Divisional Head, WQM-II	Central Pollution Control Board	Angaetui			
3.	Dr AK Gupta, Additional Director & Scientist-E	MoEF&CC - Regional Office, Lucknow	Juiz			
4.	Shri Ankit Singh, Regional Officer, Muzaffarnagar	Uttar Pradesh Pollution Control Board	dublis.			
5,	Shri Ashish Kumar Singh Choudhary, Hydrologist	UP Ground Water Department				

#### **Annexure – I: List of Industries**

S.N.	Name & Address of Industry
List of	Industries Provided by UPPCB
1.	A.R. Metal Works, J-22, Industrial Area, Begrajpur, Muzaffarnagar
2.	Akash Metal, G-24, Begrajpur, Muzaffarnagar
3.	Aman Metal Works, L-11, Industrial Area Begrajpur, Muzaffarnagar
4.	N.R. Metal Works, Vill. Hussainpur Bopara, Muzaffarnagar
5.	R.K. Metal Works, Vill. Hussainpur Bopara, Muzaffarnagar
6.	Prince Metal & Alloys, Vill. Hussainpur Bopara, Near Begrajpur, Muzaffarnagar
7.	Bharat Metal Works, N-1, Industrial Area Begrajpur, Muzaffarnagar
8.	Entire Battery India, H-31, J-15, Industrial Area, Begrajpur, Muzaffarnagar
9.	Hasan Metal Works, Begrajpur, Muzaffarnagar
10.	J.S. Industries, K-37, Industrial Area, Begrajpur, Muzaffarnagar
11.	Shadab Metal Works, L-10, Industrial Area Begrajpur, Muzaffarnagar
12.	Shree Metals Work, G-5, Industrial Area Begrajpur, Muzaffarnagar
13.	Taj Metal Works, N-2, Industrial Area Begrajpur, Muzaffarnagar
14.	Samyam Industries, C-23, Industrial Area Begrajpur, Muzaffarnagar
15.	PSR Metals Pvt. Ltd., Hussainpur Bopara, Near Begrajpur, Muzaffarnagar
16.	Sai Metal, L-1, L-2, L-3, Industrial Area Begrajpur, Muzaffarnagar
17.	Arya Metal Industries, J-11, Industrial Area Begrajpur, Muzaffarnagar
18.	S.S. Metal and Allied Industries, H-30, Begrajpur Industrial Area, Muzaffarnagar
19.	Suja Metals, G-6, Industrial Area, Begrajpur, Muzaffarnagar
20.	Aadi Enterprises, K-24, Industrial Area Begrajpur, Muzaffarnagar
21.	Magma Industries, C-24 to C-27, Industrial Area Begrajpur, Muzaffarnagar
22.	Royal E-Waste, Vill. Hussainpur Bopara, Near Begrajpur Industrial Area,
	Muzaffarnagar
23.	A.R. Metal and Allied Industries, D-6, D-7, Industrial Area Begrajpur, Muzaffarnagar
24.	Muzashi Recyclers Pvt. Ltd.
	Khasra No. 355, Vill. HussainpurBopara, Khatauli, Muzaffarnagar
25.	R.K. Chemicals, Industrial Area, Begrajpur, Muzaffarnagar
26.	Sai Globe Packaging, B-1, B-2, Industrial Area, Begrajpur, Muzaffarnagar
27.	J.D. Enterprises, C-37, Industrial Area Begrajpur, Muzaffarnagar
28.	G.S. Rollers, B-3, Industrial Area Begrajpur, Muzaffarnagar
29.	Khatauli Rubber Industries, G-1, UPSIDC, Begrajpur, Muzaffarnagar
30.	B.S. Agriculture Implements Pvt. Ltd., B-4, UPSIDC Industrial Area, Begrajpur,
	Muzaffarnagar

31.	Suman Engineering & Chemicals Pvt. Ltd., C-19, UPSIDC Industrial Area,
	Begrajpur, Muzaffarnagar
32.	G.K. Carbon Pvt. Ltd., G-19, Industrial Area Begrajpur, Muzaffarnagar
Additio	onal units found in Begrajpur Industrial area
1.	Noor Processor
2.	Metal alloys
3.	Star Agrovat
4.	Venus Industries
5.	Solex Auto Pvt Limited
6.	Chakradhar Chemicals
7.	Triveni Plast
8.	Ayanam Collection
9.	Kishan metal works
10.	Firoz Metal
11.	Paras Oxide
12.	Ravi Organics
13.	Dayachand Engineering
14.	Tyagi Engineering works
15.	Bright Wash
16.	Himgiri Metal
17.	Balaji Enterprises (Distillery)
18.	Jain Processor
19.	Viable E waste recycler

Note: Few units found not having display board on unit gate

### Annexure – II: Analysis results of Drain samples - General Parameters (Begrajpur Industrial Area)

S. No.	Date	Sampling location	Coordinates	8	Color (Hazen)	рН	COD (mg/l)	BOD (mg/l)	TSS (mg/l)	TDS (mg/l)	Phospate (mg/l)	Sulphate (mg/l)
1	30.12.2023	Begrajpur drain d/s Magma Industries	29.372770	77.701314	BDL	4.1	650	191	132	1544	0.3	40
2	30.12.2023	Begrajpur drain b/c to Dhandera (after confluence of right and left both side channels)	29.373936	77.695945	BDL	2.2	420	140	54	1528	0.4	168

S. No	. Date	Sampling location	Coordinates		pН	COD	BOD	TSS	TDS	Chloride	Phospha	Nitrate-	Ammonial-N		Phenolic	Color	Sulphide
						(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	te-P (mg/L)	N (mg/L)	(mg/L)	(mg/L)	Compound (mg/L)	(Hazen)	(mg/L)
1	29.01.2024	Channel-1: Drain entering from outside to industrial area near B S Agriculture Implements Pvt. Ltd.	29.376107	77.703984	7.7	114	29	17	412	29	0.4	0.9	-	41	-	BDL	-
2	29.01.2024	Channel-1B D/s of Ravi organics & Paras Oxide	29.375324	77.702064	6.5	449	130	83	3580	891	1.3	2.3	-	176	-	100	6.4
5	29.01.2024	Channel 1B D/s Jain Processor b/c to channel 1	29.373319	77.702303	6.5	1542	493	841	1180	227	0.7	1.5	27	158	0.3	308	3.6
3	29.01.2024	Channel-1D U/s of Chakradhar Chemical & D/s of Noor Fashion	29.376362	77.700114	9.6	2654	687	2736	4900	1722	0.4	21.5	33	181	0.6	300	55
4	29.01.2024	Channel 1 A D/s of Daychand Engineering b/c to Channel 1	29.373319	77.702303	2.1	908	310	626	1724	NA	0.1	4.1	22	316	-	BDL	3.2

6	29.01.2024	Channel-2: Drain Starting from industrial area D/s Suman Engineering	29.372521	77.703585	7.7	498	168	800	616	59	0.3	1.0	-	60	-	BDL	-
7	29.01.2024	Channel-2 D/s Magma	29.372770	77.701314	7.3	108	22	13	460	39	0.2	3.2	11	31	-	BDL	2
8	29.01.2024	Channel-2.A: D/s Metal alloys leading to collection tank	29.373123	77.699234	5	188	49	81	996	148	0.1	2.5	-	218	-	BDL	-
9	29.01.2024	Channel-1 D/s of Ayanam Collection	29.373350	77.699610	3	420	148	134	1420	99	0.5	10	17	227	0.2	40	2.4
10	29.01.2024	Channel-1 A/c of 1C & 1D	29.373391	77.699461	2	416	146	360	19784	NA	3.4	0.5	-	405	-	BDL	-
11	29.01.2024	Channel-1 a/c of channel 2 & 1E	29.373936	77.695945	2	302	82	252	15092	NA	2.3	0.5	-	410	=	5	
12	29.01.2024	Channel-1 b/c to dhandera drain	29.374012	77.693237	2	<mark>424</mark>	155	291	5460	NA	2.3	7.2	19	391		302	NA
13	30.01.2024	Channel-1 b/c to dhandera drain	29.374012	77.693237	<2.0	711	<mark>263</mark>	172	2988	NA	0.1	9.6	29	321	0.5	BDL	NA
14	30.01.2024	Channel-1 B/c with Channel 2	29.373564	77.697977	<2.0	<mark>653</mark>	181	549	35004	NA	0.1	0.8	27	456	-	5	NA
15	30.01.2024	Channel-1B.5 D/s of Paras Oxide	29.375352	77.701858	<2.0	<mark>587</mark>	131	619	5156	NA	0.1	7.8	24	330	-	BDL	4

### Analysis results of Drain samples - Heavy Metals (Highlighted values indicate excessive concentrations)

S.	Date	Sampling location	As	Cd	Со	Cr	Cu	Fe	Mn	Ni	Pb	Zn
No.			(mg/L)									
Gener	al Discharg	ge Standard limit prescribed	0.2	2.0	-	2.0	3.0	3.0	2.0	3.0	0.1	5.0
1	29.01.2024	Channel-1: Drain entering from outside to industrial area near B S Agriculture Implements Pvt. Ltd.	BDL	BDL	BDL	0.017	BDL	0.506	0.058	BDL	0.012	0.014
2	29.01.2024	Channel-1B D/s of Ravi organics & Paras Oxide	BDL	BDL	BDL	0.001	BDL	1.226	0.132	BDL	0.024	0.567
5	29.01.2024	Channel 1B D/s Jain Processor b/c to channel 1	0.076	0.004	0.002	0.083	0.172	12.58	20.88	0.022	0.307	0.339

3	29.01.2024	Channel-1D U/s of Chakradhar Chemical & D/s of Noor Fashion	BDL	0.016	0.002	0.205	0.781	23.65	31.28	0.182	1.228	2.604
4	29.01.2024	Channel 1 A D/s of Daychand Engineering b/c to Channel 1	BDL	BDL	0.002	0.072	13.64	41.9	0.404	0.015	0.200	0.188
6	29.01.2024	Channel-2: Drain Starting from industrial area D/s Suman Engineering	BDL	BDL	BDL	0.008	0.018	3.358	0.148	BDL	0.102	0.124
7	29.01.2024	Channel-2 D/s Magma	BDL	BDL	BDL	0.195	BDL	0.226	0.019	BDL	0.048	0.029
8	29.01.2024	Channel-2.A: D/s Metal alloys leading to collection tank	BDL	0.006	BDL	0.437	0.089	2.616	0.107	0.006	20.02	0.117
9	29.01.2024	Channel-1 D/s of Ayanam Collection	BDL	BDL	BDL	0.018	0.331	1.395	6.535	BDL	0.131	0.119
10	29.01.2024	Channel-1 A/c of 1C & 1D	BDL	0.898	0.653	5.996	40.21	1579	597.7	11.63	6.652	1161
11	29.01.2024	Channel-1 a/c of channel 2 & 1E	BDL	1.245	0.476	2.896	13.98	1132	429.7	8.694	2.874	1235
12	29.01.2024	Channel-1 b/c to dhandera drain	BDL	0.222	0.179	1.306	9.967	378.1	148.4	2.468	1.437	276.6
13	30.01.2024	Channel-1 b/c to dhandera drain	BDL	0.098	0.008	0.063	2.592	23.72	5.169	0.466	1.06	200.2
14	30.01.2024	Channel-1 B/c with Channel 2	0.079	1.487	1.082	9.596	215.1	3325	1175	26.49	8.892	2403
15	30.01.2024	Channel-1B.5 D/s of Paras Oxide	0.222	0.32	0.121	0.649	1.512	590.4	19	1.118	2.053	75.97

#### Analysis results of Sludge samples

Date	Sludge Samples	As	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	V	Zn	Total organic Carbon
		(mg/kg)	(TOC) (%C)												
30.1.2024	Sludge Sample-1	6.1	6.2	13.3	374	7112	14690	3173	245.4	12380	54.9	18.5	14.6	7069	1.48
30.1.2024	Sludge Sample-2	10.1	3.5	17.5	584	598	311860	2530	184.8	279	15.5	12.3	20.5	284	3.65

#### Annexure – III: Details of groundwater monitoring locations

Status of Groundwater in Industrial Cluster of Muzaffarnagar

#### 1. Villages on Jansath Road

Eight villages located on Jansath Road, Muzaffarnagar were surveyed. Details are as follows-

- i. Niraana village, Tehsil-Sadar, Jansath Road, Muzaffarnagar
- Location & periphery: Niraana village is located along Jansath Road and on North-western side of the village, many industries such as paper mills, chemical industry, and a slaughterhouse are located.
- Population (approx.): 14000
- Sampling details: 06 samples from handpumps and one sample from pond
- *Drinking water source:* Predominantly groundwater from handpumps and submersible pumps. Household water supply is under process in the area.
- *Issues:* Villagers have complained about yellowish-brownish colour in the groundwater obtained from handpumps at G2 (60 ft.), G3 (150 ft.) & G5 (150 ft.). The waste water from a major part of the village is discharged into a pond located near qabristan on Bhikki road. The pond is visibly untidy with dark grey coloured water and sludge deposition. Villagers have complained that ground water quality in the village has deteriorated in last 5-7 years.
- Groundwater quality: Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Turbidity at G2 (8.9 NTU) & G5 (10.7 NTU), Hardness at G2 (682 mg/l) & G5 (632 mg/l), Calcium at G2 (208.8 mg/l), Sulphide at all locations (0.6-1.2 mg/l) except G4, T.Cr at G4 (0.631 mg/l), Pb at G3 (0.056 mg/l), Fe at four locations i.e. G1 to G3 & G5 (1.05-13.09 mg/l).

#### ii. Jansath Nagar Panchayat, Tehsil-Jansath, Muzaffarnagar

- Location & periphery: Jansath is located at approx. 12 kilometers south-east of Jansath Road industrial cluster. According to information provided by the Groundwater Department of Uttar Pradesh, groundwater in the area is accessible at depths of 5.94 meters during the pre-monsoon period and 4.62 meters during the post-monsoon period.
- Population (approx.): 30000
- *Sampling details:* Three samples of groundwater collected from handpumps.
- *Drinking water source:* Groundwater from handpump and submersible pump.
- *Issues:* At one location i.e. entrance gate of Jansath opposite Bhaledi village (G32), groundwater from handpump was grey in color with foul smell. No health-related issues due to use of ground water were reported by the residents.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Flouride at all locations (1.753-2.276 mg/l), Alkalinity at G32 (636 mg/l), Sulphide at G30 (0.85 mg/l), Fe at all locations (1.0174-13.4692 mg/l) and Mn at all locations (3.7532-6.2771 mg/l).

#### iii. Bhikki village, Tehsil - Sadar, Jansath Road, Muzaffarnagar

- Location & periphery: Bhikki village is located at about 1 km from Niraana village.
- Population (approx.): 5000.
- Sampling details: 03 samples of groundwater collected from handpumps.
- *Drinking water source:* Handpump and submersible. Work related to Jal Jeevan Mission for household supplies is in progress.
- *Issues:* No major health related issue due to use of ground water in Bhikki village was reported. Groundwater from handpumps with shallow depth (less than 120 feet) have complains of water turning yellow upon storage. The waste water generated from the village household accumulates in two ponds located within village.
- Groundwater quality: Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Turbidity at G7 (6.7 NTU), Sulphide at G7 (1.0 mg/l) & G9 (0.4 mg/l), T.Cr. at G9 (0.2 mg/l) and Fe at all locations (0.48-2.07 mg/l).

#### iv. Shernagar village, Tehsil – Sadar, Jansath Road, Muzaffarnagar

- *Location & periphery:* Shernagar is located approx. 3 kilometers from Jansath Road, Jolly Road cluster and approximately 5 kilometer from Bhopa Road cluster.
- Population (approx.): 10000.
- Sampling details: Three samples of groundwater were collected from handpumps.
- *Drinking water source:* Groundwater from submersible and handpump.
- *Issues*: No major health related issues were reported by villagers of Shernagar with use of groundwater.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Flouride at G43 (1.77 mg/L), Sulphide at all locations (0.8-1.69 mg/l), Fe at G43 (0.68 mg/l) & G44 (5.2 mg/l) and Mn at all locations (2.3-4.1 mg/l).

#### v. Sikheda village, Tehsil – Jansath, Muzaffarnagar

**Location & periphery:** Sikheda village is located at a distance of around 3-4 km from Jansath industrial cluster near Niraana village and Triveni Alco complex.

- Population (approx.): 7000
- Sampling details: Two samples of groundwater were collected from handpumps
- *Drinking water source:* Handpump and submersible. Under Jal Jeevan Mission for household supply is under process.
- *Issues*: Some villagers complained about handpump water turning yellow upon storage. However, majority of villagers informed that there are no health related issues due to use of ground water.

• *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Iron (Fe) at both locations which could be the reason for appearance for yellow color upon storage of water.

#### vi. Bahadarpur village, Tehsil - Sadar, Jansath Road, Muzaffarnagar

- Location & periphery: Bahadarpur village is located at approx. 1.5 km from the Jansath Road industrial cluster near Niraana village.
- **Population (approx.):** 12,000-13,000
- Sampling details: Three samples of groundwater collected from handpumps.
- *Drinking water source:* Groundwater from Handpump, submersible and household water supply..
- *Issues*: Villagers complained that groundwater from handpump has salty taste and turns yellowish upon storage for long time. Villagers informed that concretization of the nearby canal has affected the ground water quality of the village. No major disease and health related issues reported due to use of groundwater.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Sulphide at all locations (0.4-0.8 mg/l) and Fe at all locations (2.6678-3.2319 mg/l).

#### vii. Maqsoodabad village, Tehsil- Khatauli, Muzaffarnagar

- *Location & periphery:* Maqsoodabad is located at a distance of approximately 12 kilometers south-east from the Jansath Road industrial cluster.
- Population (approx.): 2000
- Sampling details: Two samples of groundwater were collected from handpumps.
- **Drinking water source:** Groundwater from handpump, submersible pump and filtered water
- *Issues:* No major health related issues reported by villagers owning to use of groundwater.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Flouride at G33 (2.18 mg/l) & G34 (1.68 mg/L), Fe at G33 (0.495) & G34 (0.9756 mg/l), Mn at G33 (3.4984 mg/l) & G34 (5.3057 mg/l) and Sulphide at all locations (0.76-0.81 mg/l).

#### viii. Dahkhedi village, Tehsil - Jansath, Muzaffarnagar

- *Location & periphery:* Dahkhedi is located approx. 6 kilometers on east side of Jansath Road industrial cluster.
- Population (approx.): 6000.
- Sampling details: Two samples of groundwater were collected from handpumps.
- **Drinking water source:** Groundwater from handpump, submersible pump and filtered water.

- *Issues:* Villagers informed that groundwater from handpumps turns yellowish after storage for long. No major health related issues due to groundwater use is reported.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Fe at G35 (0.72 mg/l) & G36 (1.08 mg/l) and Mn at G35 (6.11 mg/l) & G36 (5.71 mg/l).

#### 2. Villages on Bhopa Road, Muzaffarnagar

07 villages located on or near Bhopa Road were surveyed. Details are as follows-

- i. Makhiyali village, Tehsil-Sadar, Muzaffarnagar
- *Location & periphery:* Makhiyali village is located at approx. 1 km from industrial cluster on Bhopa Road and 4.5 km from Triveni Alco Distillery.
- Population (approx.): 12000
- Sampling details: Four samples of groundwater were collected from handpump.
- *Drinking water source:* Groundwater from handpump, submersible and household supply.
- *Issues*: Complains of, groundwater turning yellow upon storage for longtime, by locals. No major health related issues were reported due to use of handpump water. Wastewater from Makhiyali village reaches river Kali West through local drain to Dhandhera drain and some part of waste water also accumulates in few small ponds in the village periphery.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Fluoride at location G47 (2.74 mg/L), Sulphide at G48 (2.28 mg/L), G47 (0.78 mg/L), G49 (0.59 mg/L), T. Cr. at G46 (1.9922 mg/L), Mn at G46 (0.3774 mg/L) & G46 (0.5287 mg/L), and Fe at all locations (1.4770-7.0970 mg/l).

#### ii. Jat Mujhera village, Tehsil- Sadar, Muzaffarnagar

- *Location & periphery:* Jat Mujedha village is located at a distance of less than 1 Km from Pulp & Paper and chemical industries on Bhopa Road.
- Population (approx.): 4000
- Sampling details: Two samples of groundwater were collected from handpumps
- Drinking water source: Groundwater from submersible (150 feet) and handpump
- *Issues*: Villagers complained about water turning yellow upon storage. No major health related issues or diseases are reported by villagers. The wastewater from the village is directed to the Jat Mujhera drain through a local drain.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Turbidity in location G-22 (5.4) and Iron (Fe) at location G-22 (1.7115 mg/l).

#### iii. Chandpur village, Tehsil-Sadar, Muzaffarnagar

- *Location & periphery:* Chandpur village is located at a distance of approx. 2 km from Bhopa Road industrial cluster.
- Population (approx.): 3000
- Sampling details: Three samples of groundwater collected from handpumps.
- *Drinking water source:* Groundwater from handpump, submersible, supply water with filter/RO installed.
- *Issues*: Villagers complained about water turning yellowish upon long time storage. Problem of ash in air from nearby factories was highlighted by local villagers. The wastewater from households of Chandpur village is discharged into two ponds in the village periphery.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Turbidity at location G50 (8.6 NTU), Fe at G50 (4.9033 mg/l) & G51(4.9033 mg/l) and Mn at all locations (0.4013-0.5525 mg/l).

#### iv. Tigri village, Block-Sadar, Muzaffarnagar

- *Location & periphery:* Tigri village is located at a distance of approx. 2 km from Bhopa road industrial cluster.
- *Population (approx.):* 6000-8000
- Sampling details: Two samples of groundwater collected from handpumps.
- *Drinking water source:* Groundwater from handpump, submersible, household water connections.
- Issues: Household wastewater from the village reaches to three ponds in village.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Hardness & Alkalinity at G53 (670.4 mg/l & 684 mg/l respectively), and Fe at G53 -(2.3336 mg/l) & G54 (0.7666 mg/l).

#### v. Kasampura village, Tehsil-Jansath, Muzaffarnagar

- *Location & periphery:* Kasampura village is located at distance of approx. 2.5 4 km from the industrial cluster on Bhopa road.
- *Population (approx.):* 1000-1500
- Sampling details: Two samples of groundwater were collected from handpumps.
- Drinking water source: Groundwater from Handpump and submersible
- *Issues*: Wastewater from the village reaches the Pond near primary school (29.468756, 77.839009) on Bhopa road. The condition of the pond is described as deteriorated, with the presence of vegetation, sludge with foul smell, not cleaned for long time.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Fe G56 (2.1246 mg/l).

#### vi. Nagla Buzaurg (Naya gaon) village, Tehsil - Jansath, Muzaffarnagar

- *Location & periphery:* Nagla Buzurg village is located at a distance of 1.4 km from Bhopa Road and near the upper Ganga canal.
- Population (approx.): 8000
- Sampling details: Two samples of groundwater were collected from handpumps.
- *Drinking water source*: Groundwater from handpumps and submersible.
- *Issues*: G58 handpump is located on the local drain, receiving wastewater from most of the households of the village. No health related issues reported by villagers.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Turbidity at location G58 (16 NTU) and Fe at G57 (2.7723 mg/l) & G58 (1.0174 mg/l) and Mn at both locations (0.3137 & 2.9729 mg/l).

#### vii. Bhandura village, Tehsil-Sadar, Muzaffarnagar

- Location & periphery: Bhandura village is located at a distance of approximately 1-2 Km from Pulp & Paper industries on Bhopa Road.
- Population (approx.): 10000
- Sampling details: Four samples of groundwater were collected from handpumps.
- *Drinking water source: Groundwater from* Handpump and submersible. Household supply line is under process.
- *Issues*: Soot in the air, ash deposition was observed on surfaces as well as on vegetation in and around the village. Villagers complained about water turning yellowish upon storage at some locations. Sewage from the Bhandura village reaches two ponds located in village and some portion of sewage/waste water from village also reaches nearby Jat Mujhera drain.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Sulphide at all locations (0.34-1.4 mg/l) and Iron (Fe) at three locations i.e. G17, G17 & G20 (1.9423-1.3269 mg/l).

#### 3. Villages on Jolly Road

02 villages located on Jolly Road were surveyed. The details are as follows

#### i. Bilaspur village, Tehsil-Sadar, Jolly Road, Muzaffarnagar

- *Location & periphery:* Bilaspur village is located at a distance of approx. 3 Km from Jansath Road cluster and at approx. 04 Km from Bhopa Road industrial cluster.
- *Population (approx.):* 13000
- Sampling details: Three samples of groundwater were collected from handpumps.
- *Drinking water source: Groundwater from* Handpump, submersible and household supply from Jal Jeevan Mission.
- *Issues:* Complains of water turning yellowish upon storage. No major health issue reported in the village. Household wastewater from the village is accumulated in a pond behind primary

- school in Bilaspur. Moreover, a significant portion of the village's wastewater is directed to the river Kali West through local drains via Dhandhera drain.
- *Groundwater quality:* Groundwater is not meeting the the drinking water standards (IS 10500:2012) w.r.t.Turbidity at G12 (6.5 NTU), Sulphide at all locations (0.75-1.81 mg/l) and Fe at all locations (2.76-4.36 mg/l).

#### ii. Dhandhera village, Tehsil-Sadar, Muzaffarnagar

- *Location & periphery:* Dhandhera village is located at a distance of approximately 2.5 Km from Triveni Alco complex distillery and around 04 Km from Bhopa Road industrial cluster.
- Population (approx.): 7000
- Sampling details: Four samples of groundwater were collected from handpumps.
- *Drinking water source:* Groundwater from handpump, submersible and Jal Jeevan Mission
- *Issues:* Villagers complained about handpump water turning yellowish upon long time storage. Wastewater from the village is discharged into a canal flowing near the village.
- *Groundwater quality:* Groundwater is not meeting the drinking water standards (IS 10500:2012) w.r.t. Turbidity at G15 (21.6 NTU), Hardness at G13 (856 mg/l) & G15 (662 mg/l), Sulphide at all locations (0.72-1.79 mg/l), T.cr. at G15 (0.063 mg/l) and Fe at all locations (0.94-8.21 mg/l).

#### 4. Villages on Vahelna Road

Two villages located near Vahelna Road were surveyed, details are as follows-

#### i. Jaroda village, Tehsil-Sadar, Muzaffaranagar

- *Location & periphery*: Jaroda village is located at a distance of approx. 2.5 kilometers from Vahelna industrial cluster and 7 kilometers from Jansath Road cluster.
- Population (approx.): 12000
- Sampling details: Three samples of groundwater were collected from handpumps.
- *Drinking water source:* Groundwater from handpump, submersible pump and filtered water.
- *Issues:* Complains of groundwater from handpumps turning yellowish after storage for long time. No major disease reported in villagers due to ground water use.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Flouride at G37 (1.527 mg/L), Sulphide at G37 (0.38 mg/l), Fe at all locations (0.43-5.07 mg/l) and Mn at all locations (4.7-6.7 mg/l) and

#### ii. Vahelna village, Tehsil- Sadar, Muzaffarnagar

- *Location & periphery:* Vahelna is located at a distance of approx.. 0.5 kilometers from Vahelna industrial cluster and 06 kilometers from Jansath Road cluster.
- *Population* (approx.): 10000
- Sampling details:
  - o Ground water samples from three locations.

- One sample was collected from Vahelna drain which carries discharge from the Vahelna industrial cluster and domestic sewage of Vahelna village. It is an untapped drain and directly discharge untreated wastewater into River Kali West.
- Two samples were collected before confluence and after confluence of Vahelna drain to the river Kali-West
- *Drinking water source:* Groundwater from handpump, submersible and filtered water.
- *Issues:* Complains of groundwater from handpump turning yellow storage. Some portion of wastewater from village reaches river Kali-West through Vahelna drain and some portion to a local pond in village. No major health related issues reported by villagers.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Flouride at G41 (1.824 mg/l) & G42 (& 1.67 mg/l), Pb at G42 (0.11 mg/l), Fe at G40 (1.39 mg/l) & G41 (1.95 mg/l), Mn at G40 (7.36 mg/l) & G41 (3.21 mg/l) and Sulphide at G41 (0.38 mg/l).
- *Wastewater characteristics of Drain:* pH, Color, BOD & COD in drain was 6.52, 80 Hazen, 68 mg/l and 320 mg/l respectively before confluence with river Kali West.
- *River water quality:* BOD and COD of river Kali-West increased from 52 to 56 mg/l and 256 to 288 mg/l respectively after confluence of Vahelna drain.
- 5. Village on NH-9, Muzaffarnagar Bypass

One village located on Muzaffarnagar bypass (NH-9) was surveyed, the details are as follows-

- i. Sandhawli Sadat Village, Tehsil-Sadar, Muzaffarnagar
- Location & periphery: Sandhawli Sadat village is located on the bank of Kukda drain and at a distance of approximately 1 km from industries near Rana Chowk and Vahelna Road.
- Population (approx.): 6500
- Sampling details: Two samples of groundwater were collected from handpumps.
- *Drinking water source:* Groundwater from handpump and submersible. Household water supply was under progress
- *Issues*: No major disease/health issue was reported due to use of groundwater from handpumps. Water quality of handpumps is mostly reported good.
- *Groundwater quality:* Groundwater is not meeting the drinking water standards (IS 10500:2012) w.r.t.Fe at G25 (0.61 mg/l).
- 6. Village on Khatauli Road

Tisang village located on Jansath-Khatauli Road was surveyed, details are as follows-

- i. Tisang village, Tehsil- Jansath, Muzaffarnagar
- **Location & periphery**: Tisang village is located at approximately 10 Km from Khatauli Sugar Mill and 05 Kilometer from Jansath panchayat. Ground water is accessible at a depth of approx. 6 meter.
- *Population* (approx.): 7000
- Sampling details:

- o Three samples of groundwater were collected from handpumps.
- Sample was collected from Khatuali Sugar Mill drain which carries the industrial discharge and domestic sewage of Khatuali town. It is an untapped drain and directly discharge untreated wastewater into River Kali East.
- *Drinking water source:* Groundwater from submersible pump.
- *Issues:* Complains of groundwater turning yellowish after storage for 3-4 hours. Wastewater from the village is accumulated in local pond.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Flouride at all locations (1.704-2.146 mg/l), Sulphide at all locations (0.44-0.74 mg/l), Fe at all locations (3.39-6.32 mg/l), Mn at all locations (5.76-7.57 mg/l) and
- Wastewater characteristics of the drain: High Color (100 Hazen), BOD (252 mg/l) and COD (688 mg/l) was observed in the drain.

#### 7. Village on Saharanpur Road

Bahedi village located on Saharanpur Road is surveyed, details are as follows-

#### i. Bahedi village, Tehsil- Sadar, Muzaffarnagar

- *Location & periphery:* Village Bahedi is located at an approximate distance of 200-300 meter from Indian Potash Limited, distillery and Rohana Sugar Mill.
- Population (approx.): 8000
- Sampling details: Three samples of groundwater were collected from handpumps.
- *Drinking water source:* Source of water is Handpump and submersible in village as per villagers, household water supply not available in Bahedi village.
- *Issues*: No major health related issues in groundwater is reported by villagers. Water from handpump is used for all purpose. As informed by villagers, groundwater from handpump turns yellowish upon storage for long time. Wastewater from the village reaches three ponds in the north western (29.571403, 77.682499), Eastern side near Shiv Dohli Mandir (29.569840, 77.685460) and southern (29.56806, 77.680449) side of the village.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Fe at all locations (2.3336-11.9232 mg/l) and Mn at G66 (0.3376 mg/l) & G67 (0.457 mg/l).

#### 8. Village on Muzaffarnagar-Thanabhawan Road

Charthawal Nagar Panchayat located on Muzaffarnagar-Thanabhawan Road was surveyed, details are as follows-

#### i. Charthawal, Tehsil-Sadar, Muzaffarnagar

• Location & periphery: Charthawal is located at a distance of approx. 11 km from Muzaffarnagar town on Muzffarnagar-Thanabhawan Road and 7-8 km from river Kali West

on western side. River Hindon flows at a distance of approx. 3.5 km from Charthawal on western side.

- **Population (approx.):** 20000
- Sampling details: Four samples of groundwater collected from different locations of the village.
- *Drinking water source:* Groundwater from handpumps, submersible and household supply water is used for drinking purposes.
- *Issues*: Complains of water turning yellowish upon storage. Water from most handpumps are used for all purposes. Wastewater from Charthawal reaches two ponds in village and no other provision for household waste water management in the village. Local drains in village were found filled with sewage, as there is no discharge route for wastewater from pond is available.
- *Groundwater quality:* Groundwater was not meeting the drinking water standards (IS 10500:2012) w.r.t. Sulphide at all locations (0.5-1.2 mg/l) and, Mn at G62 (0.6561 mg/l), G63 (0.3694 mg/l) & (0.3455 mg/l) and Fe at all locations (1.8739-7.097 mg/l).

### **Details of Groundwater sampling location**

SI. No.	Village	Sample Location	Source	Depth (ft.)	Code	Remarks
1	Nirana	Gram Panchayat Office , Niraana house of Vipin Pal , Sukhbir Singh (29.418649, 77.770630)	Submersible	250	G1	Clear water
2	Nirana	House of Rajbir Singh (29.419083, 77.771116)	Handpump	60	G2	Yellow-brownish colour
3	Nirana	Near RRC Kuda Prathak Karan Kendra (29.416225, 77.775667)	Handpump	150	G3	Clear water
4	Nirana	Near Dilshad Sweet corner on main road Niraana (29.418199, 77.769077)	Handpump	200	G4	Clear water
5	Nirana	House of Haniff & Qayum, Gopalpuri, near industry (29.419467, 77.765039)	Handpump	150	G5	Clear water
6	Nirana	Near Madina Masjid, near house of Moharram, Noorpuri Mohalla (29.420790, 77.771383)	Handpump	125	G6	Clear water
7	Jansath	Budh bazaar Mohalla near House of Tejpal (29.321426,77.851798)	Handpump	100	G30	Clear water
8	Jansath	IT School (Madarsa Islamia Taiba at main market) (29.32439,77.849835)	Handpump	120	G31	Clear water
9	Jansath	Entrance gate of Jansath opposite Badhedi village Near Haji Anees Malik Market (29.329832,77.843575)	Handpump	120	G32	Grey water
10	Bhikki	Near Shiv Mandir/ house of Kapil Pal Pradhan (29.422211, 77.781642)	Handpump	200	<b>G</b> 7	Clear water
11	Bhikki	Near Shiv Mandir Bhumiyakhera/house of Krishn Pal (29.421056, 77.784305)	Handpump,	80	G8	Clear water
12	Bhikki	Near Primary School/ house of Subhash Sharma (29.420551, 77.787027)	Handpump,	50	G9	Clear water
13	Shernagar	Near Faqrool islam madarsa (29.443385,77.740457)	Handpump	80	G43	Clear water
14	Shernagar	House of Arshad (29.443915,77.742782)	Handpump	200	G44	Clear water
15	Shernagar	House of Ashutosh near shiv mandir (29.448063,77.743241)	Handpump	180	G45	Clear water
16	Sikheda	Near Durga Mandir Jansath main road (29.396149, 77.785777)	Handpump	200	G23	Clear water
17	Sikheda	House of Ramanand, Bheda road (29.394281, 77.789526)	Handpump	135	G24	Clear water
18	Bahadarpur	House Shiv Kumar Sundar near Canal (29.408294, 77.760046)	Handpump	180	G59	Clear water

19	Bahadarpur	Near Ali Hassan house at Dr. Ikrarwali gali (29.404361, 77.759935)	Handpump	150	G60	Clear water
20	Bahadarpur	Near Ravidas Mandir at Bhimpur-Mansoorpur road (29.402676, 77.757360)	Handpump	140	G61	Clear water
21	Maqsoodabad	House of Sompal Prajapat (29.320653,77.820059)	Handpump	80	G33	Clear water
22	Maqsoodabad	House of Mohan Singh (29.321014,77.815514)	Handpump	180	G34	Clear water
23	Dahkhedi	Opposite Jabbar house near prachin shiv mandir (29.401301,77.82202)	Handpump	150	G35	Clear water
24	Dahkhedi	House of Brajesh (house no-17), Harijan mohalla (29.403727,77.821629)	Handpump	150	G36	Clear water
25	Makhiyali	Makhiyali Village main gate Bhopa road (29.471066, 77.765095)	Handpump	200	G46	Clear water
26	Makhiyali	House of Yaqub near Shivala Chaupal (29.475538, 77.769118)	Handpump	180	G47	Clear water
27	Makhiyali	Near Harijan Chowk/Tomar Provision store (29.475913, 77.772851)	Handpump	150	G48	Clear water
28	Makhiyali	Dharmi Ji house at Harinagar harizan Basti (29.470137, 77.764013)	Handpump	200	G49	Clear water
29	Jat Mujhera	Near Jan Sewa Kendra (29.463062, 77.811051)	Handpump	180	G21	Clear water
30	Jat Mujhera	Near Old kunwa, kunwe wala muhalla near house of Rohtas, Panchayat Kuan, harijan basti at Muzaffarnagr (29.4666115, 77.812622)	Handpump	170	G22	Clear water
31	Chandpur	Near Kittu Iron & Sanitary Store/Sudhir ji house (29.484411, 77.782316)	Handpump	230	G50	Clear water
32	Chandpur	From orchard of Sanjeev Kumar at Chandpur-Tigiri marg (29.481432, 77.789138)	Handpump	60	G51	Clear water
33	Chandpur	House of Md. Yamin (29.486180, 77.781495)	Handpump	150	G52	Clear water
34	Tigri	Near Ration Ki Dukan/ Kunwa Chowk (29.485088, 77.811921)	Handpump	200	G53	Clear water
35	Tigri	Near Kabristan/ Sushil ji house (29.487077, 77.812064)	Handpump	120	G54	Clear water
36	Kasampura	At Lakhisah Banjara Academy (29.468511, 77.837675)	Handpump	150	G55	Clear water
37	Kasampura	At house of Ramsharan ji (29.471155, 77.837916)	Handpump	135	G56	Transparent pale color
38	Nagla Buzurg	At Primary School near Anganbari Kendra, Nagla Buzurge/Naya Gaon (29.455500, 77.853872)	Handpump	150	G57	Clear water
39	Nagla Buzurg	Near house of Md. Akaram/ Javed (29.454952, 77.857482)	Handpump	150	G58	Clear water

40	Bhandura	Main road near Tempo stand near M.M. Public School main road (29.456743, 77.806992)	Handpump	200	G17	Clear water
41	Bhandura	House of Lillu Shahni, near Primary School/ Prajapati Mistan Bhandar (29.452791, 77.805056)	Handpump	50	G18	Clear water
42	Bhandura	Near house of Satish kumar, Ghari Muhalla (29.453894, 77.808161)	Handpump	200	G19	Clear water
43	Bhandura	House of Khalil cotton worker near Bilal Masjid (29.457229, 77.808790)	Handpump	60	G20	Clear water
44	Bilaspur	Near Higher secondary School (29.451256,77.747254)	Hamdpump	110	G10	Clear water
45	Bilaspur	Near Gadhi Mohalla Tiraha/ house of Mausam Ali (29.454236, 77.748101)	Handpump	190	G11	Clear water
46	Bilaspur	Near Ram Talab Shiv Mandir/ Sunil Kumar shop (29.456407, 77.746125)	Handpump	120	G12	Clear water
47	Dhandhera	House of Mahesh Pal, near Indian Bank, Mohabat Colony, Near Umaid Hasan (29.451347, 77.765974)	Handpump	60	G13	Clear water
48	Dhandhera	Near Primary School near house of Md. Sansar(29.451107, 77.769601	Handpump	200	G14	Clear water
49	Dhandhera	House of Ummed Hassan / Ashiq Ali ki Dukan (29.452567, 77.769146)	Handpump	120	G15	Clear water
50	Dhandhera	House of Niyadar Ali Saidpur wale behind Ashra Masjid (29.454269, 77.769638)	Handpump	120	G16	Clear water
51	Jaroda	House of Joginder (29.405737,77.685354)	Handpump	150	G37	Clear water
52	Jaroda	House of Jagbhushan at harijan mohalla (29.402237,77.685514)	Handpump	200	G38	Clear water
53	Jaroda	Near Samudayik Sochalya	Handpump	120	G39	Clear water
54	Vahelna	Near Jain mandir (29.427472,77.688999)	Handpump	160	G40	Clear water
55	Vahelna	House of Teluram, Kungari mohalla (29.429821,77.686614)	Handpump	80	G41	Clear water
56	Vahelna	Khaddar wala mohalla (29.42943,77.685921)	Handpump	135	G42	Clear water
57	Sandhwali	Near Gogamari Mandir/Kukra drain (29.426185, 77.715424)	Handpump	160	G25	Clear water
58	Sandhwali	Near Primary & Upper Primary Schoo in front of Rajendra Housel (29.4243372, 77.710743)	Handpump	150	G26	Clear water
59	Tisang	Opposite Bijli vibagh (29.27372, 77.849794)	Handpump	150	G27	Clear water
60	Tisang	Backside of lohar masjid (29.268803, 77.849025)	Handpump	100	G28	Clear water
61	Tisang	House no. 518 (Sh. Janeshwar's house) (29.266988, 77.847845)	Handpump	85	G29	Clear water

62	Bahedi	Near Bhumiya Mandir/Ghera of Md. Noman (29.566702, 77.679830)	Handpump	150	G66	Clear water
63	Bahedi	Near Bhumiya More/ Shekhar Tyagi Pradhan house (29.568594, 77.683338)	Handpump	150	G67	Clear water
64	Bahedi	House of Chandra Shekhar Tyagi near Shring Rhishi School Bahedi (29.571993, 77.685306)	Handpump	150	G68	Clear water
65	Charthawal	Near Shri ganesh Traders at Rohana More (29.540819, 77.594672)	Handpump	120	G62	clear water
66	Charthawal	Near Bhumiya Mandir at Khusropur road/Police Station (29.540931, 77.589462)	Handpump	150	G63	Clear water
67	Charthawal	Near Takiye wali Masjid, Murdapatti (29.550428, 77.594280)	Handpump	180	G64	Clear water
68	Charthawal	Near Saleel Medical store/ Holly Chowk (29.547288, 77.596424)	Handpump	150	G65	Clear water

295

### Annexure – IV: Analysis Results of groundwater

		•		,	•					•				<b></b>	is itesu	U			
S. No	Village	Location code	рН	Turbidity	Colour	Conductivit y	TSS	TDS	COD	Hardnes s	Calcium	Magnesiu m	Chloride	Fluoride	Sulphat e	Phosphat e	Nitrate	Alkalinity	Sulphi de
1.	Nirana	G1	7.44	0	Colorles s	387	-	252	0.04	226	65.6	14.88	40	0.214	10	0.01	0.08	150	1.1
2.	Nirana	G2	6.97	8.9	Colorles s	1086	-	706	0.16	682	208.8	38.4	120	0.212	20	0.18	0.22	360	1.2
3.	Nirana	G3	7.29	0	Colorles s	431	-	280	0.04	264	74.7	18.72	60	0.22	8	0.008	0.09	160	0.9
4.	Nirana	G4	7.34	0	Colorles s	519	-	336	0.04	328	96.8	20.64	40	0.216	13	0.02	0.14	260	ND
5.	Nirana	G5	7.12	10.7	Colorles s	1034	-	672	0.44	632	192.8	36	60	0.212	15	0.05	0.2	380	0.9
6.	Nirana	G6	7.05	0	Colorles s	688	-	447	0.16	430	1296	25.44	80	0.214	10	0.03	0.16	280	0.6
7.	Jansath	G30	7.37	2.6	10	490.6	16	298	BDL	414	89.2	45.84	80	2.276	65.23	0.0193	ND	452	0.85
8.	Jansath	G31	7.01	2.6	5	1055	17	658	BDL	393	103.2	32.4	82	1.944	51.96	0.01173	0.384	444	0.05
9.	Jansath	G32	6.96	3.2	10	1680	20	1068	BDL	553	110.24	66.72	178	1.753	13.271	4.073	0.828	636	ND
10.	Bhikki	G7	7.52	6.7	Colorles s	340	-	221	0.04	206	56	15.84	30	0.252	10	0.02	0.1	180	1
11.	Bhikki	G8	6.99	0.5	Colorles s	903	-	588	0.12	542	179.2	22.56	80	0.25	14	0.05	0.18	360	ND
12.	Bhikki	G9	6.86	0.3	Colorles s	465	-	305	0.04	266	73.6	19.68	40	0.256	16	0.03	0.16	250	0.4
13.	Shernagar	G43	6.54	2.8	10	1372	20	846	BDL	549	133.68	51.55	108	1.77	38.5	0.043	18.04	583	1.69
14.	Shernagar	G44	6.74	2	5	364	15	224	BDL	183	40	19.92	6	0.162	24.672	0.0064	ND	212	0.8
15.	Shernagar	G45	7	1.8	5	788	18	486	BDL	335.4	96.8	22.41	24	ND	40.934	0.034	1.3	450	0.99
16.	Sikheda	G-23	7.47	6.8	Colorles s	368	-	239	0.36	226	55.2	21.12	50	0.216	10	0.08	0.14	140	0.79
17.	Sikheda	G-24	7.44	4.5	Colorles s	396	-	258	0.16	246	66.4	19.2	60	0.218	12	0.002	0.06	180	0.93
18.	Bahadarpur	G59	7.34	2.2	5	564.2	<mark>16</mark>	355	BDL	304	40.4	48.72	7	0.29	29.43	0.062	ND	345	0.8
19.	Bahadarpur	G60	7.22	3.2	10	907	<mark>18</mark>	571	12.8	424	113.6	33.6	36	0.31	26.26	0.043	ND	510	0.6
20.	Bahadarpur	G61	7.44	1.8	5	412.6	<mark>15</mark>	259	BDL	200	58.8	12.72	12	1.82	14.57	0.067	2.13	284	0.4

S. No	Village	Location code	рН	Turbidity	Colour	Conductivit y	TSS	TDS	COD	Hardnes s	Calcium	Magnesiu m	Chloride	Fluoride	Sulphat e	Phosphat e	Nitrate	Alkalinity	Sulphi de
21.	Maqsoodab ad	G33	7.32	1.8	5	356.9	14	186	BDL	294	63.2	32.64	8	2.182	30.56	ND	2.66	312	0.81
22.	Maqsoodab ad	G34	7.26	2.4	5	871	16	542	BDL	227	49.6	24.72	6	1.681	20.65	0.013	ND	204	0.76
23.	Dahkhedi	G35	7.28	2	5	535.2	18	318	BDL	288	40.64	44.74	9	1.12	35.98	ND	0.448	326.6	ND
24.	Dahkhedi	G36	7.38	2	5	515.5	16	306	BDL	422	105.68	37.87	28	1.14	29.719	0.0091	10.195	490.8	ND
25.	Makhiyali	G46	7.44	3.1	5	403.4	<mark>12</mark>	252	BDL	228.2	56.96	20.6	12	0.38	34.2	0.041	ND	152.8	ND
26.	Makhiyali	G47	7.46	3	5	505.2	<mark>14</mark>	314	BDL	231.2	48.16	26.6	7	2.74	39.24	0.033	ND	216.8	0.78
27.	Makhiyali	G48	7.52	2.8	5	398.6	<mark>12</mark>	248	BDL	236.4	50.96	26.16	8	0.28	28.4	0.042	ND	226.8	2.28
28.	Makhiyali	G49	7.38	2.6	5	521.7	<mark>10</mark>	324	BDL	268	67.2	24	25	0.71	43.92	0.051	ND	276.2	0.59
29.	Jat Mujhera	G-21	7.27	0	Colorles s	544	ı	354	0.08	328	82.4	29.28	80	0.222	14	0.04	0.12	160	<mark>1.34</mark>
30.	Jat Mujhera	G-22	7.36	5.4	Colorles s	429	-	278	0.08	266	69.6	22.08	40	0.224	8	0.005	0.07	120	ND
31.	Chandpur	G50	7.5	8.6	10	406.7	<mark>16</mark>	254	BDL	235.2	50.64	26.06	7	0.32	34.4	0.034	ND	238.2	0.6
32.	Chandpur	G51	7.57	2.4	10	331.2	<mark>16</mark>	224	BDL	189	41.92	20.46	9	0.75	34.57	0.042	ND	200.6	ND
33.	Chandpur	G52	7.41	1.6	5	560.3	<mark>12</mark>	382	BDL	340	81.76	32.95	8	0.44	34.76	0.047	ND	362	ND
34.	Tigri	G53	7.24	3.2	10	1235	<mark>16</mark>	876	BDL	670.4	153.84	69.59	90	1.06	72.7	0.032	4.85	684	ND
35.	Tigri	G54	7.43	1.8	5	637.1	<mark>14</mark>	440	BDL	374	73.04	46.51	12	0.29	40.56	0.041	5.35	380.2	ND
36.	Kasampura	G55	7.64	1.2	5	370.5	<mark>16</mark>	244	BDL	200	39.84	24.4	24.4	0.39	29.34	0.062	ND	216	ND
37.	Kasampura	G56	7.63	1.6	10	311	<mark>18</mark>	234	BDL	221.8	52.56	21.97	21	0.52	14.39	0.037	7.92	234	ND
38.	Nagla Buzurg	G57	7.31	2.2	10	682.8	20	478	BDL	383	90.16	38.296	41	0.35	72.52	0.041	8.38	404	ND
39.	Nagla Buzurg	G58	7.58	16	10	251.9	18	172	BDL	141	40.72	9.525	10	0.47	26.07	0.044	ND	172	ND
40.	Bhandura	G17	7.46	1.6	Colorles s	263		171.4	0.08	166	40.8	15.36	30	0.21	12	0.07	0.1	80	0.88
41.	Bhandura	G18	6.66	0.3	Colorles s	1720	-	1115	0.08	945	292.8	51.12	180	0.232	26	0.16	0.26	420	0.34
42.	Bhandura	G19	7.46	0.5	Colorles s	488	-	317	0.04	294	80	22.56	100	0.234	16	0.09	0.16	88	1.4

S. No	Village	Location code	рН	Turbidity	Colour	Conductivit y	TSS	TDS	COD	Hardnes s	Calcium	Magnesiu m	Chloride	Fluoride	Sulphat e	Phosphat e	Nitrate	Alkalinity	Sulphi de
43.	Bhandura	G20	6.67	0.8	Colorles s	975	-	634	0.12	602	196	26.88	110	0.23	22	0.15	0.22	320	1.2
44.	Bilaspur	G10	7.09	1.2	Colorles s	721	-	469	0.08	388	109.6	27.36	60	0.318	12	0.02	0.12	300	0.93
45.	Bilaspur	G11	6.98	0.6	Colorles s	947	ı	617	0.08	566	132.8	56.16	100	0.316	20	0.1	0.16	340	0.75
46.	Bilaspur	G12	7.22	6.5	Colorles s	414	ı	269	0.08	220	58.4	17.76	80	0.318	14	0.09	0.14	140	1.81
47.	Dhandhera	G13	6.71	1.2	Colorles s	1342	ı	872	0.16	856	251.2	54.72	180	0.286	22	0.22	0.26	380	1.03
48.	Dhandhera	G14	6.9	0.6	Colorles s	924	ı	600	0.04	584	156.8	46.08	160	0.28	17	0.08	0.18	320	0.72
49.	Dhandhera	G15	7.06	21.6	Colorles s	1046	ı	681	0.04	662	174.4	54.24	100	0.284	18	0.09	0.16	350	1.79
50.	Dhandhera	G16	7.2	0.2	Colorles s	843	ı	548	0.08	538	147.2	40.8	140	0.282	16	0.04	0.14	260	0.89
51.	Jaroda	G37	7.45	1.6	5	422.8	12	252	BDL	176.6	50.8	11.9	8	1.527	19.34	0.0117	ND	270	0.38
52.	Jaroda	G38	7.46	1.4	5	365.5	10	216	BDL	441.6	77.84	59.28	26	0.3447	8.971	0.013	0.4064	480	ND
53.	Jaroda	G39	7.14	1.4	5	364.4	12	220	BDL	284.2	52.72	35.58	25	1.4318	72.52	ND	9.9	336	ND
54.	Vahelna	G40	7.33	2.4	5	973.2	22	583.92	BDL	264.2	77.84	38.45	19	1.407	66.355	0.004	19.74	316	ND
55.	Vahelna	G41	7.52	1.4	5	362.1	10	214	BDL	291.6	49.2	40.32	22	1.824	16.26	0.01	ND	330	0.22
56.	Vahelna	G42	7.43	1.4	5	369.3	11	218	BDL	216.4	44.16	39.84	21	1.67	7.3831	0.0079	ND	310	ND
57.	Sandhwali	G25	7.02	0.2	Colorles	709	-	461	80.0	422	124.8	26.4	50	0.286	13	0.01	0.1	320	2.12
58.	Sandhwali	G26	7.13	0	Colorles	830	ı	539	0.12	524	161.6	28.8	100	0.284	14	0.04	0.2	360	1.06
59.	Tisang	G27	7.67	2.2	5	644	15	386	BDL	314	79.6	27.6	12	2.146	24.77	0.0053	2.039	356	0.74
60.	Tisang	G28	7.86	1.8	5	506.4	16	304	BDL	282	65.2	28.56	10	1.704	11.21	0.0066	ND	298	0.65
61.	Tisang	G29	6.8	3.4	5	2190	18	1352	BDL	567	132	56.88	240	1.789	89.719	0.2363	3.7175	760	0.44
62.	Bahedi	G66	7.31	2	5	492.6	<mark>15</mark>	310	BDL	202	57.04	14.3	6	2.36	23.17	0.034	ND	297	0.8
63.	Bahedi	G67	7.07	2.8	5	907.4	<mark>21</mark>	571	BDL	444	121.5	33.65	53	2.14	30.46	0.035	0.99	516	0.5
64.	Bahedi	G68	7.16	2.4	5	718.7	<mark>10</mark>	453	BDL	304	96.5	15.07	8	1.82	29.71	0.033	8.91	426	0.4
65.	Charthawal	G62	6.99	3.6	5	1367	<mark>17</mark>	861	BDL	176	32.8	22.56	87	1.79	75.88	0.051	2.21	320	1.2
66.	Charthawal	G63	7.29	2	5	650.4	<mark>16</mark>	409	BDL	306	54.4	40.8	20	2.06	37.47	0.064	4.25	356	0.6

S.	Village	Location	На	Turbidity	Colour	Conductivit	TSS	TDS	COD	Hardnes	Calcium	Magnesiu	Chloride	Eluorido	Sulphat	Phosphat	Nitrato	Alkalinity	Sulphi
No		code	μī	ruibiuity	Coloui	у	3	כם	СОВ	s	Calcium	m	Cilionae	i iuoriue	е	е	Willate	Aikaiiiity	de
67.	Charthawal	G64	7.47	1.6	5	276.7	<mark>14</mark>	174	BDL	126	32.4	10.8	15	1.94	24.76	0.046	7.39	148	0.5
68.	Charthawal	G65	7.44	1.8	5	369.3	<mark>20</mark>	232	BDL	204	37.44	26.496	19	2.3	17.66	0.029	ND	234	8.0
	Pond in village near Kabrista	an, Nirana	7.27	2.6	Colorles s	1233	ı	801	13.24	760	232.8	42.72	140	0.218	12	0.04	0.16	380	0.4
	Standards for water IS:108	or drinking 500:2012	6.5- 8.5	5	15	-		2000	-	600	200	100	1000	1.5	400	-	45	600	0.05

# Metal concentration in groundwater

SI No	Village	Location code	T Cr.	Cu	Cd	Pb	Fe	Ni	Zn	Mn	As
1.	Nirana	G1	0.0166	0.0083	ND	ND	3.0962	ND	0.2357	-	-
2.	Nirana	G2	ND	0.0194	ND	ND	13.0962	0.0034	1.6827	-	-
3.	Nirana	G3	0.4353	0.0083	ND	0.0565	1.0577	ND	0.947	-	-
4.	Nirana	G4	0.0631	0.0083	ND	ND	ND	0.0034	0.0126	-	-
5.	Nirana	G5	ND	0.0083	ND	ND	5.6538	ND	0.6646	-	-
6.	Nirana	G6	ND	0.0083	ND	ND	0.0769	0.0034	0.2601	-	-
7.	Jansath	G30	ND	0.0229	ND	0.0185	13.4692	ND	1.0251	6.2771	0.014
8.	Jansath	G31	ND	ND	ND	ND	1.0174	ND	2.0508	3.7532	ND
9.	Jansath	G32	ND	ND	ND	0.0185	13.6154	ND	1.1469	5.5048	0.016
10.	Bhikki	G7	0.0166	0.0083	ND	ND	2.0769	0.0207	1.0551	-	-

11.	Bhikki	G8	ND	0.0083	ND	ND	0.4808	0.0034	0.0265	-	-
12.	Bhikki	G9	0.2027	0.0194	ND	0.0565	0.8654	0.0034	0.195	-	-
13.	Shernagar	G43	ND	0.0011	ND	ND	0.6831	ND	0.2397	3.7213	ND
14.	Shernagar	G44	ND	ND	ND	ND	5.2585	ND	0.0569	2.328	0.0026
15.	Shernagar	G45	ND	0.0011	ND	0.0185	0.2234	ND	0.1178	4.1672	ND
16.	Sikheda	G23	0.0166	0.0194	ND	ND	4.5385	0.0207	0.1869	-	-
17.	Sikheda	G24	ND	ND	ND	ND	2.1923	ND	0.0893	-	-
18.	Bahadarpur	G59	ND	0.0992	ND	0.0185	3.2319	ND	0.4292	0.4092	ND
19.	Bahadarpur	G60	ND	0.012	ND	ND	2.6678	ND	0.8558	0.6162	ND
20.	Bahadarpur	G61	ND	0.0229	ND	ND	2.9186	ND	0.111	0.4172	0.0039
21.	Maqsoodabad	G33	ND	ND	ND	ND	0.495	0.0068	0.0704	3.4984	ND
22.	Maqsoodabad	G34	ND	0.012	ND	0.0185	0.9756	ND	0.3108	5.3057	ND
23.	Dahkhedi	G35	ND	0.0011	ND	0.1108	0.7249	ND	0.6459	6.1178	ND
24.	Dahkhedi	G36	ND	ND	ND	0.0185	1.08	ND	0.0941	5.7197	ND
25.	Makhiyali	G46	1.9922	0.012	ND	ND	7.097	ND	0.9743	0.3774	0.0057
26.	Makhiyali	G47	ND	0.0338	ND	ND	2.2709	ND	0.7339	0.2261	0.0035
27.	Makhiyali	G48	ND	0.0011	ND	0.0185	1.9993	ND	0.5376	0.2818	0.0028
28.	Makhiyali	G49	-	0.0011	ND	0.0185	1.477	ND	0.0061	0.5287	0.0024
29.	Jat Mujhera	G21	0.0166	0.0194	ND	ND	0.0577	ND	0.023	-	-

30.	Jat Mujhera	G22	0.0166	0.0194	ND	ND	1.7115	0.0207	0.2671	-	-
31.	Chandpur	G50	ND	0.0011	ND	ND	4.9033	ND	0.5173	0.4013	0.005
32.	Chandpur	G51	ND	0.0229	ND	ND	3.5871	ND	0.2634	0.5525	0.0042
33.	Chandpur	G52	ND	0.0011	ND	ND	0.01817	ND	0.0162	0.5287	ND
34.	Tigri	G53	ND	0.0011	ND	ND	2.3336	ND	0.2261	0.2818	ND
35.	Tigri	G54	ND	0.012	ND	ND	0.7666	ND	0.0873	0.1783	ND
36.	Kasampura	G55	ND	0.0011	ND	ND	0.1399	ND	0.26	0.2182	ND
37.	Kasampura	G56	ND	0.0774	ND	ND	2.1246	ND	1.3331	0.2261	0.004
38.	Nagla Buzurg	G57	ND	0.0556	ND	0.0185	2.7723	ND	1.0454	2.9729	ND
39.	Nagla Buzurg	G58	ND	0.0229	ND	ND	1.0174	ND	0.1178	0.3137	ND
40.	Bhandura	G17	0.0166	0.0194	ND	ND	1.9423	ND	0.2008	-	-
41.	Bhandura	G18	0.0166	0.0194	ND	ND	1.3269	0.0207	0.0753	0.0166	0.0194
42.	Bhandura	G19	0.0166	0.0194	ND	ND	ND	0.0034	0.0335	0.0166	0.0194
43.	Bhandura	G20	ND	0.0083	ND	ND	1.4038	0.0034	0.2322	ND	0.0083
44.	Bilaspur	G10	ND	0.0194	ND	ND	2.7692	ND	0.4449	-	-
45.	Bilaspur	G11	ND	0.0194	ND	ND	4.3654	ND	1.4909	-	-
46.	Bilaspur	G12	0.0166	0.0083	ND	ND	2.8269	0.0207	-	-	-
47.	Dhandhera	G13	0.0166	0.0194	ND	ND	2.3846	0.0034	0.3473	-	-
48.	Dhandhera	G14	0.0166	0.0194	ND	ND	0.9423	0.0034	0.3298	-	-

49.	Dhandhera	G15	0.0631	0.0306	ND	ND	8.2115	0.0724	0.9435	-	-
50.	Dhandhera	G16	0.0166	0.0194	ND	ND	1.2692	ND	0.1241	-	-
51.	Jaroda	G37	ND	0.0011	ND	ND	5.0705	ND	0.9201	4.7962	0.0049
52.	Jaroda	G38	0.0447	ND	ND	0.0185	0.4324	ND	0.0501	6.715	ND
53.	Jaroda	G39	ND	ND	ND	ND	2.1664	ND	0.9912	6.3089	ND
54.	Vahelna	G40	ND	ND	ND	ND	1.3934	ND	0.3514	7.3678	ND
55.	Vahelna	G41	ND	ND	ND	0.0185	1.9575	ND	0.0298	3.2197	ND
56.	Vahelna	G42	ND	ND	ND	0.1108	ND	ND	0.0061	0.1226	ND
57.	Sandhwali	G25	0.0166	0.0194	ND	ND	0.6154	0.0034	0.2218	-	-
58.	Sandhwali	G26	ND	0.0306	ND	ND	0.2308	0.0207	0.0579	-	-
59.	Tisang	G27	-	ND	ND	ND	6.324	ND	1.1808	6.4602	0.0042
60.	Tisang	G28	ND	ND	ND	0.0185	3.3991	ND	0.4056	7.5748	0.0039
61.	Tisang	G29	ND	ND	ND	0.0185	4.6526	ND	0.0399	5.7675	0.0024
62.	Bahedi	G66	ND	0.012	ND	ND	3.796	ND	0.8761	0.3376	0.0046
63.	Bahedi	G67	ND	0.012	ND	ND	11.9232	ND	0.172	0.457	0.0122
64.	Bahedi	G68	ND	0.0338	ND	ND	2.3336	ND	0.5816	0.2659	0.0036
65.	Charthawal	G62	ND	0.012	ND	ND	7.097	ND	0.48	0.6561	0.006
66.	Charthawal	G63	ND	0.0338	ND	ND	5.9688	ND	0.1991	0.3694	0.004
67.	Charthawal	G64	ND	0.012	ND	0.1108	1.8739	ND	0.4936	0.242	0.003

68.	Charthawal	G65	ND	0.0229	ND	0.1108	5.1331	ND	0.3311	0.3455	0.006
		Standards	0.05	1.5	0.003	0.01	0.3	0.02	15	0.3	

#### Annexure - V: Groundwater Quality Index

For computing WQI three steps are followed. In the first step, each of the 9 parameters has been assigned a weight (wi) according to its relative importance in the overall quality of water for drinking purposes (Table 1). The maximum weight of 5 has been assigned to the parameter nitrate due to its major importance in water quality assessment. Magnesium which is given the minimum weight of 1 as magnesium by itself may not be harmful. Other In the second step, the relative weight (Wi) is computed from the following equation:

Where, Wi is the relative weight, wi is the weight of each parameter and n is the number of parameters. Calculated relative weight (Wi) values of each parameter are also given below;

Parameter	BIS	Weight (wi)	Relative Weight (Wi)
pH	6.5-8.5	4	0.117647
Total hardness (TH)	300-600	2	0.058824
Chloride	250-1,000	3	0.088235
Total dissolved solids (TDS)	500-2,000	4	0.117647
Fluoride	1-1.5	4	0.117647
Manganese	0.1-0.3	4	0.117647
Nitrate	45-100	5	0.147059
Iron	0.3-1.0	4	0.117647
Sulphate	200-400	4	0.117647
		$\sum wi = 34$	$\sum Wi = 1.000$

In the third step, a quality rating scale (qi) for each parameter is assigned by dividing its concentration in each water sample by its respective standard according to the guidelines laid down in the BIS and the result multiplied by 100:

$$qi = (Ci / Si) \times 100$$

where qi is the quality rating, Ci is the concentration of each chemical parameter in each water sample in mg/L, and Si is the Indian drinking water standard for each chemical parameter in mg/L according to the guidelines of the BIS 10500, 1991

For computing the WQI, the SI is first determined for each chemical parameter, which is then used to determine the WQI as per the following equation

$$SIi = Wi . qi$$

$$WQI = \sum SIi$$

SIi is the subindex of ith parameter; qi is the rating based on concentration of ith parameter and n is the number of parameters. The computed WQI values are classified into five types, "excellent water" to "water, unsuitable for drinking".

Annexure - VI

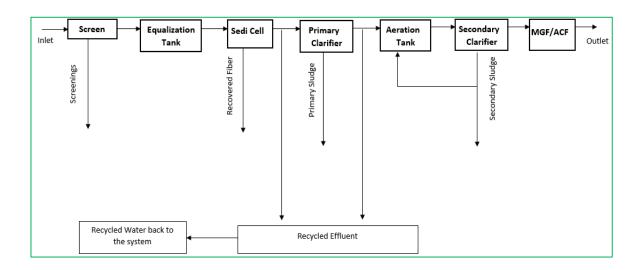
Modification/Upgradation of existing ETPs in different categories of Pulp & Paper industries to achieve targeted/proposed discharge norms at Muzaffarnagar, U.P.

#### 1. Introduction

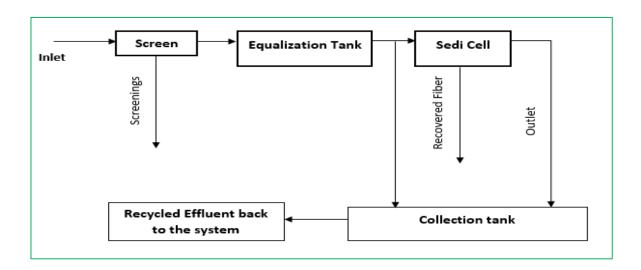
To meet the stipulated discharge norms and eradication of issue of purging of untreated effluent from waste paper based pulp and paper mills operating on ZLD, modification/upgradation in existing effluent treatment scheme is required. The existing effluent management scheme is shown in section 2 and modification/upgradations suggested in individual category are shown in section 3.

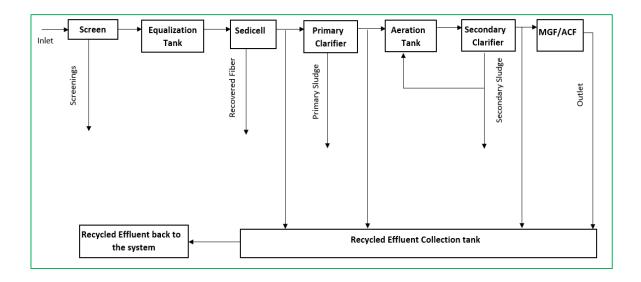
#### 2. Status of existing Effluent Treatment Plant and current practices of effluent disposal

# 2.1. Kraft/Duplex based on Agro residues and kraft/writing printing paper industry based on wastepaper (Discharge)



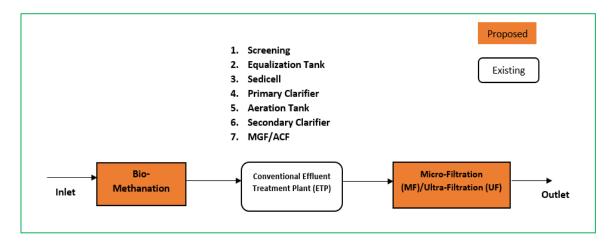
#### 2.2. Kraft Paper Industries based on wastepaper (ZLD)





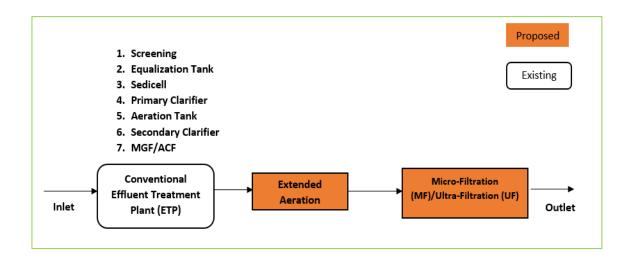
- 3. Proposed modification in existing ETPs operating in different category of pulp & paper industry to achieve proposed discharge norms
- 3.1. Waste paper based mill producing kraft paper having production < 300 TPD (Discharge)

The industries producing Kraft paper from waste paper having production capacity less than 300 TPD shall adopt following treatment scheme:



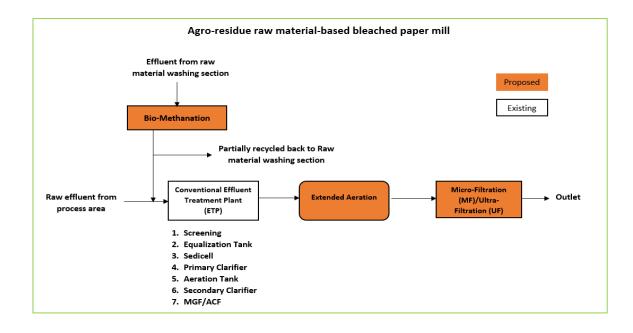
# 3.2. Waste paper based mill producing kraft paper having production ≥ 300 TPD (Discharge)

The industries producing Kraft paper from waste paper with production capacity 300 TPD and above shall adopt following treatment scheme:



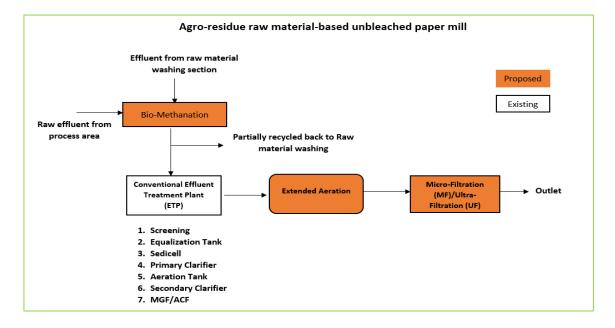
#### 3.3. Agro-residue raw material-based mill producing bleached grade paper (Discharge)

The industries producing bleached grade paper from Agro residue have conventional treatment processes. To meet the discharge norms and increased recycling, the additional treatment is required. The existing conventional treatment may be modified to extended aeration system followed by Micro-filtration (MF) / Ultra-Filtration (UF) (mandatory) followed by Reverse Osmosis (Optional) is recommended. By the adoption of these modifications, the required treatment can be achieved. Further, in agro-based industries, the agro residue is washed to maintain moisture, which contains sugars and other organic matter. These washings should separately be treated in Bio-reactors (Anaerobic digestion) and partially reused in the washing and partially sent to conventional treatment. Schematic diagram of proposed scheme is as below:



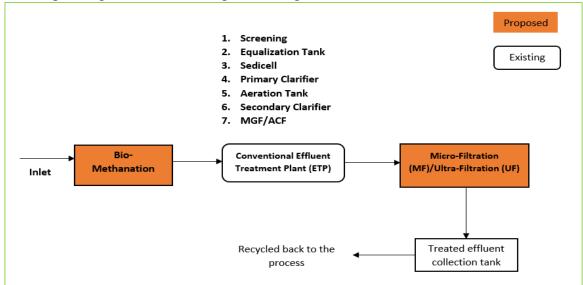
#### 3.4. Agro-residue raw material-based mill producing unbleached grade paper (Discharge)

The industries producing unbleached grade paper from Agro residue, have conventional treatment processes. The washings of the agro residue and paper mill effluent shall be fed to the anaerobic bio methanation before the existing conventional treatment and shall adopt following treatment scheme:



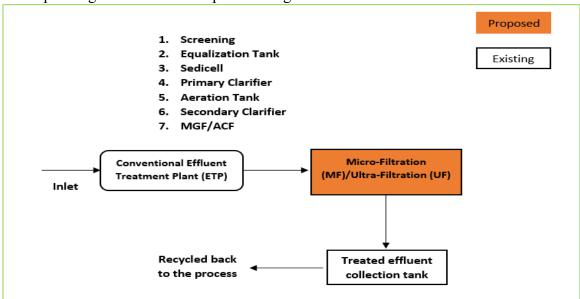
#### 3.5. Kraft paper industry using waste paper with production $\geq$ 300 TPD (ZLD)

The industries producing Kraft paper from waste paper having production of 300 TPD and above operating on ZLD shall adopt following treatment scheme:



# 3.6. Kraft paper industry based on waste paper with production less than 300 TPD (ZLD)

The industries producing kraft paper from wastepaper having production less than 300 TPD operating on ZLD shall adopt following treatment scheme:



#### 4. Sludge removal

The installation of mechanical sludge dewatering system (such as Screw press, Filter press, Belt press etc.) is mandatory and sludge drying beds shall be dismantled.

#### 5. Operation and Maintenance (O&M)

Any treatment plant how adequately it designed wouldn't run efficiently if it's not operated on optimum input parameters and design efficiency, below table present the optimum efficiency of the different treatment units of ETP in the scenario of discharge mode and ZLD mode

Table 1: Optimum values of operating parameters

Sr.	Parameters	Unit	Optimum Value / Range
No.			
1.	Dissolved Oxygen	mg/L	1.5-2
2.	рН		6.5-8
3.	MLSS	mg/L	3000-4000
4.	MLSS/MLVSS		0.8
5.	BOD:N:P		100:5:1
6.	F/M Ratio		0.2-0.9
7.	Mean cell resident time	days	15 - 20
8.	Return activated sludge flow rate	%	50-100
	(RAS)		

# Annexure-VII

Detailed Inspection Reports of 32 Industries monitored by Joint Committee

#### INDUSTRY INSPECTION REPORT (PULP & PAPER)

A.	General section	Date of
	OCHOIM SECTION	Date of

	The second secon	Date of hispaction.11.01.2024
	Name of the unit with complete postal address:	M/s Bindlas Duplex Ltd. (Unit-1) 10.6 KM, Village-Jat Mujhera, Bhopa road, Muzaffamagar, Uttar Pradesh-251308
- 11	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.46880, 77.80644
S.	Industry Operational status	Operational
o.	Agro waste based-20 MT/day). (CC However, as informed by the	roduction of Kraft Paper-200MT/day (Waste Paper based-180 MT/day, A placed at Annexure-1) unit representative, agro waste based production of kraft n June-2022. Unit has intimated the same to UPPCB vide letter

B. Production process and infrastructure

e.	Process	Manufacturing of Kraft paper using waste paper mixed type (imported/ indigenous) as per availability					
f.	Raw material						
	a. Consented value	Waste Paper based-180 MT/day, Agro waste based-20 MT/day(Agro waste based production of kraft paper has been stopped from June-2022)					
	b. Actual consumption (as per logbook)	Common data provided for raw material consumption for its unit-1 & Unit-2: Indian Waste Paper – 18155.800 MT Imported Waste Paper – 4662.83 MT Total-22818.63 MT (As per logbook provided by the unit of last three months Oct-Dec, 2023)					
	c. Average daily consumption	Common data provided for raw material consumption for its unit-1 & Unit-2					
g.	Production						
	a. Consented value	Kraft Paper-200MT/day (Agro waste based production of kraft paper has been stopped from June-2022)					
	b. Actual Production (as per logbook)	Kraft Paper-10708.31 MT (As per logbook provided by the unit of last three months Oct-Dec, 2023)					
	c. Average daily production	137.29MT/day(10708.31/78)					
E.							

#### h. Fresh water consumption

a. NOC from CGWA/other authorized body

Unit has total 04 Nos. of borewells.

Unit has obtained common NOCs from Ground Water Department (Namami Gange & Rural Water Supply Department), Ministry of Jal Shakti, Government of Uttar Pradesh, for four borewells. (NOCs placed at Annexure-3) Validity of NOCs is as below:

Borewell No	Validity of NOC	Approved water abstraction (KLD)	Maximum annual withdrawal permission	Remarks
1	19.01.2022 to	1080	378000	Used for unit-1
2	18.01.2027	250	87500	-
3			483000	Used for unit-2
4		1380	483000	Total Idi dilic 2
Total permitte	d abstraction	4090 KLD	1431500 KL/Annum	

<sup>\*</sup>As informed, borewell no. 2 is used only for steam generation in common boiler. Separate record for unit-1 and unit-2 is maintained by the unit.

		netic flowmeter Borewell	Insta	ntaneous	Totalizer	all 04 t	oorewells. Readi	ings observed as below:	
		0.000	Readi	ing m <sup>3</sup> /hr	Reading	m³			
	В	Borewell No 1			403781.25	5			
	B	Sorewell No 2			196414				
		Sorewell No 3		2	1082104.7	74			
		Sorewell No 4			130608.34	1			
	c. Permitted withdrawal quantity		4090 KL	D	7.8				
	d. Average quantity	daily withdraw	al	892 KLD					
	e. Specific consump			6.5 KL/M	T of paper pro	duction	n		
	Effluent M	anagement							
		d discharge poi	nts	01			TO TALL		
	b. Consente	d discharge val	ue	1400 KLI	)				
		fluent generatio			KL (As per s	ubmitt	ed logbook of	last three months Oct	
	d. Average of generation	daily effluent		2430.19	75/67/4				
	e. Actual re-	cycling of treats within process	ed		rimary Clarifier) (121396/78 days) (As per submitted log				
					Treated effluent (ETP outlet)		0 KLD		
				Total recycled 1556.36 KLD					
	f. Actual eff	fluent discharge	60	63453KL (As per submitted logbook of last three months Oct-Dec 2023)					
		g. Average daily effluent discharge quantity			813.5KLD				
	h. Losses in	ETP %		2.48% against typical 2-3 % in form of moisture in generated sludge					
	i. Specific e	effluent discharg	ne .	5,92 KL/MT of production					
1-		eatment plant							
1146	a. ETP cons	a. ETP consists of			Holding ta	nk fier→B	(for reuse left Press(Com	n tank→Sedicell→Primar in process)→Aeratio mon)→Activated Carbo	
	<ul> <li>b. Installed</li> </ul>			2500 KLI					
	c. Metering at ETP			Recycling points Elections install		Electr	notch provided ctromagnetic flowmeter with totalizer talled at holding tank to manufacturing cess, after primary clarifier.		
		30-2			et		ch provided	) continues	
	d. Operation	d. Operational status			nal				
					Flow at inlet: 36.76 m³/hr (140 mm)				
					MLVSS/MLSS in aeration tank: 1135/1462 = 0,78				
	e. OCEMS at ETP outlet			OCEMS installed at final outlet of ETP. Reading observed of OCEMS as flow-0.1 m <sup>3</sup> /hr, pH-7.38, COD-92.68 mg/l, BOD 17.90mg/l, TSS-14.55 mg/l, during inspection.					
	f. Effluent	t Characteristi	ics	2.1122.1139			event area (Wallington - )		
	Parameter	ETP inte		P outlet	Aeration tank	Norr	ms as per sent	Compliance w.r.t. consent	
	pH	6.5	7.	3	(2)	6.5-	NO PROPERTY AND ADDRESS OF THE PARTY AND ADDRE	Complying	
	Color (haze		Bi	DL			0 hazen	Complying	
	BOD (mg/l)	1256	1:	22	*	<20	mg/I	Non-complying	
	COD (mg/l)								

	TSS (m	g/I)	3734	45		-	<	30 mg/l	Non-complying
	TDS (m		3616		68			1600 mg/l	Non-complying
	SAR (m		*	03		*		08 mg/l	Complying
		e (mg/l)	-	4.0	)	4	-		2 100
	AOX as	CI-	<b>5</b> 7			7	-		1
	(mg/l) MLSS (I	ma/I)	C:	-		1462	-		
	MLVSS			-		1135	-		-
	g. ETP Sludge generation						-		313.31
	Biologic	al sludge g logbook)			Record n	ot maintai	ned by 1	the unit	
	30 % 0	finlet TSS			2.72 Ton	/day			
	Sludge	Manageme	nt & dispos	al	Unit-1 & informed	unit-2 fo i, this sluds is taken in	r sludg dge is i	e generating fr reused again in	day capacity for ETPs om secondary clarifier. I manufacturing process a er, record is not maintain
	Non-pa	aper solid	waste ma	nagei	ment (Pla	stic wast	e)		
		per solid w logbook)	aste gener	sted	Total 23	3.10 MT o	f plastic	waste generate	intained by the unit. ed from Unit-1 & Unit-2, (/ ths Oct-Dec, 2023)
		aste gener						t-1 & Unit-2)	No. 1 - No. 10 - No.
	Specific generat		er solid v	vaste	2.06 % of total production of unit-1 (Kraft paper-137.29 MT/day) & unit-2(Duplex board-148.49MT/day)-285.78 MT/day				
	Potential solid waste generation @3.5 % of paper				TO MITTH	av of total	product	ion of unit-1 & u	init-2
	100 to 10	CONTRACTOR OF THE PARTY OF THE			Actual r MT/day	non-paper ) is much	r solid lower	waste (plastic	c waste) generation (5
	genera	tion @3.5		er	Actual r MT/day	non-paper ) is much	r solid lower	waste (plastic	c waste) generation (5
	genera Air Pol	tion @3.5	% of pap	er	Actual r MT/day which in	non-paper ) is much ndicates p non boiler f	r solid lower coor rec	waste (plastic than the estin cord keeping	c waste) generation (5 nated value (10 MT/day
•	Air Pol a. Boile b. Stac	lution @3.5	% of pap	er	Actual r MT/day which in 1. Comm Operation 2. Boiler Stack He	non-paper ) is much adicates p non boiler f nal of 22 TPH ight -45 m	r solid lower loor reconstruction for unit-	waste (plastic than the estin cord keeping 1 & unit-2 – 30 n idle condition	c waste) generation (5 nated value (10 MT/day
	Air Pol  a. Boile  b. Stac  c. APCI	lution @3.5	% of pap	er	Actual r MT/day which in 1. Comm Operation 2. Boiler Stack He Electrost	non-paper ) is much adicates p non boiler f nal of 22 TPH ight -45 m tatic Precip	or unit- found i	waste (plastic than the estin cord keeping 1 & unit-2 - 30 n idle condition (ESP)	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine
•	Air Pol  a. Boile  b. Stac  c. APCI d. Estin	lution @3.5 lution ma r capacity k details installed nated stea 1.8 &2.2	% of pap	ment	Actual r MT/day which in 1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip	or unit- found in pitator	waste (plastic than the estin cord keeping 1 & unit-2 – 30 n idle condition	c waste) generation (5 nated value (10 MT/day  TPH with 7.1 MW Turbine- er produce)
•	Air Pol  a. Boile  b. Stac  c. APCI d. Estin  prod e. Fuel	lution @3.5 lution ma r capacity k details installed nated stea 1.8 &2.2 uce used	% of pap nagement am require	ment paper	Actual r MT/day which in  1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap Duplex B Rice hust	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip	for unit- found in pitator 96 T (@:	waste (plastic than the estin cord keeping 1 & unit-2 - 30 n idle condition (ESP) 0 1.8 T/T of paper 2.2 T/T of paper	c waste) generation (5 nated value (10 MT/day  TPH with 7.1 MW Turbine- er produce)
•	Air Pol  a. Boile  b. Stac c. APCI d. Estin @ prod e. Fuel f. Fuel	lution @3.5 lution ma r capacity k details installed nated stea 1.8 &2.2 uce used consumpti	nagement magement magement magement magement magement magement	ment paper	Actual r MT/day which in  1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap Duplex B Rice hust ik)	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. ioard -2586 k + Bagass	for unit- found in pitator 96 T (@: 07 T(@:	waste (plastic than the estin cord keeping 1 & unit-2 - 30 n idle condition (ESP) 0 1.8 T/T of paper 2.2 T/T of paper	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine er produce)
	Air Pol  a. Boile  b. Stac c. APCI d. Estin @ prod e. Fuel f. Fuel	lution @3.5 lution ma r capacity k details linstalled nated stea 1.8 &2.2 uce used consumpti the details	nagement magement magement T/T of portion (as per less of fuel co	ment paper ogboo	Actual r MT/day which in  1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap Duplex B Rice husl ik) potion of las	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. ioard -258 k + Bagass st three m	for unit- found in pitator 96 T (@: 07 T(@: 02 to 02 t	waste (plastic than the estin cord keeping 1 & unit-2 - 30 n idle condition (ESP) 0 1.8 T/T of paper 2.2 T/T of paper all	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine- er produce) produce)
	Air Pol  a. Boile  b. Stac c. APCI d. Estin @ prod e. Fuel f. Fuel	lution @3.5 lution ma r capacity k details 0 installed nated stea 1.8 &2.2 uce used consumpti the details Month	nagement magement T/T of portion (as per less of fuel co	ment paper ogboo	Actual r MT/day which in  1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap Duplex B Rice husi ik) ption of la- addy(MT)	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. coard -258 k + Bagasse st three m Bagasse	for unit- found in pitator 96 T (@: 07 T(@: 000 this pitator ge + Composition (MT)	waste (plastic than the estin cord keeping 1 & unit-2 – 30 n idle condition (ESP) 0 1.8 T/T of paper 2.2 T/T of paper al	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine er produce)
	Air Pol  a. Boile  b. Stac c. APCI d. Estin @ prod e. Fuel f. Fuel	lution @3.5 lution ma r capacity k details D installed nated stea 1.8 82.2 uce used consumpti the details Month Oct-23	magement mag	ment paper ogboo	Actual r MT/day which in  1. Comm Operation 2. Boller Stack He Electrost Kraft Pap Duplex B Rice hust ok) otion of late addy(MT)	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. loard -258 k + Bagass st three m Bagasse	for unit- found in pitator 96 T (@: 07 T(@: se + Conorths p (MT)	waste (plastic than the estin cord keeping  1 & unit-2 – 30  n idle condition  (ESP)  1.8 T/T of paper  2.2 T/T of paper  al  provided by the Total (MT)  5010	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine- er produce) produce)
	Air Pol  a. Boile  b. Stac c. APCI d. Estin @ prod e. Fuel f. Fuel	lution @3.5 lution ma r capacity k details constalled nated stea 1.8 82.2 used consumpti the details Month Oct-23 Nov-23	on (as per sof fuel con Coal (M) 4820 3135	ment paper ogboo	Actual r MT/day which in  1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap Duplex B Rice husi ok) ption of late addy(MT) 0 0	non-paper ) is much is much idicates p  non boiler ( nal of 22 TPH ight -45 m tatic Precip per-19274. loard -2580 k + Bagass st three m Bagasse 19 93	or unit- found in pitator 96 T (@: 07 T(@: se + Co nonths p (MT) 0	waste (plastic than the estin cord keeping  1 & unit-2 - 30  n idle condition  (ESP)  1.8 T/T of paper  2.2 T/T of paper  al  brovided by the  Total (MT)  5010  4074	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine- er produce) produce)
	Air Pol  a. Boile  b. Stac c. APCI d. Estin @ prod e. Fuel f. Fuel	lution @3.5 lution ma r capacity k details D installed nated stea 1.8 82.2 uce used consumpti the details Month Oct-23	magement mag	ment paper ogboo	Actual r MT/day which in  1. Comm Operation 2. Boller Stack He Electrost Kraft Pap Duplex B Rice hust ok) otion of late addy(MT)	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. ioard -258 k + Bagass st three m Bagasse 19 93	for unit- found in pitator 96 T (@2 07 T(@2 se + Co nonths p (MT) 0 9	waste (plastic than the estin cord keeping  1 & unit-2 – 30  n idle condition  (ESP)  1.8 T/T of paper  2.2 T/T of paper  al  provided by the Total (MT)  5010	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine- er produce) produce)
	Air Pol  a. Boile  b. Stad c. APCI d. Estin prod e. Fuel f. Fuel As per	lution @3.5 lution ma r capacity k details c installed nated stee 1.8 &2.2 uce used consumpti the details Month Oct-23 Nov-23 Dec-23 Total	magement on (as per less of fuel con (4820 3135 802 8757	ment paper ogboonsump	Actual r MT/day which in  1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap Duplex B Rice hust ok) potion of la- addy(MT) 0 1900 1900	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. loard -258 k + Bagasse st three m Bagasse 19 93 145	for unit- found in pitator (@:  96 T	waste (plastic than the estin cord keeping  1 & unit-2 - 30  n idle condition  (ESP)  1.8 T/T of paper 2.2 T/T of paper al  provided by the Total (MT)  5010  4074  4157  13241	c waste) generation (5. nated value (10 MT/day TPH with 7.1 MW Turbine- er produce) produce) unit:
	Air Pol  a. Boile  b. Stad c. APCI d. Estin prod e. Fuel f. Fuel As per	lution @3.5 lution ma r capacity k details constalled nated steel 1.8 &2.2 uce used consumptithe details Month Oct-23 Nov-23 Dec-23 Total nated fuel	magement on (as per less of fuel co. Coal (M) 4820 3135 802 8757 consumpti	ment paper ogboonsump	Actual r MT/day which in  1. Comm Operation 2. Boller Stack He Electrost Kraft Pap Duplex B Rice hust ok) otion of la- addy(MT) 0 0 1900 1900 6424.98	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. coard -258 k + Bagasse st three m Bagasse 19 93 145 258 T (Kraft Pe	for unit- found in pitator (@:  96 T	waste (plastic than the estin cord keeping  1 & unit-2 - 30  n idle condition  (ESP)  1.8 T/T of paper 2.2 T/T of paper al  provided by the Total (MT)  5010  4074  4157  13241	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine er produce) produce) unit:
	Air Pol  a. Bolle  b. Stad c. APCI d. Estin prod e. Fuel f. Fuel As per	lution @3.5 lution ma r capacity k details constalled nated steel 1.8 &2.2 uce used consumptite details Month Oct-23 Nov-23 Dec-23 Total nated fuel steam/ T of	magement on (as per less of fuel co. Coal (M) 4820 3135 802 8757 consumpti	ment paper ogboonsum;	Actual r MT/day which in  1. Comm Operation 2. Boller Stack He Electrost Kraft Pap Duplex B Rice hust ok) otion of la- addy(MT) 0 0 1900 1900 6424.98	non-paper ) is much ndicates p  non boiler ( nal of 22 TPH ight -45 m tatic Precip ber-19274. toard -258 k + Bagasse st three m Bagasse 19 93 145 258 T (Kraft Pe	for unit- found in pitator (@:  96 T	waste (plastic than the estin cord keeping  1 & unit-2 - 30  n idle condition  (ESP)  1.8 T/T of paper 2.2 T/T of paper al  provided by the Total (MT)  5010  4074  4157  13241	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine- er produce) produce) unit:
	Air Pol  a. Bolle  b. Stad c. APCI d. Estin prod e. Fuel f. Fuel As per  g. Estin 3 T s h. Actu	lution @3.5 lution ma r capacity k details c installed nated stea 1.8 &2.2 uce used consumpti the details Month Oct-23 Nov-23 Dec-23 Total nated fuel steam/ T of	magement  am require T/T of con (as per less of fuel con Coal (MT) 4820 3135 802 8757 consumpti	ment paper ogboonsum; ) P	Actual r MT/day which in  1. Comm Operation 2. Boller Stack He Electrost Kraft Pap Duplex B Rice hust ok) otion of la- addy(MT) 0 1900 1900 1900 6424.98 = 192.66 169.7698 4.59 MT/	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. coard -258 k + Bagasse st three m Bagasse 19 93 145 258 T (Kraft Pe 5 MT/day MT/day	r solid lower for unit- found in pitator 96 T (@: 07 T(@: se + Co nonths p (MT) 0 9	waste (plastic than the estin cord keeping  1 & unit-2 - 30  n idle condition  (ESP)  1.8 T/T of paper al  brovided by the Total (MT)  5010  4074  4157  13241  8602.33 T (Dup	c waste) generation (5 nated value (10 MT/day TPH with 7.1 MW Turbine- er produce) produce) unit:
	Air Pol  a. Bolle  b. Stad c. APCI d. Estin prod e. Fuel f. Fuel As per  g. Estin 3 T s h. Actu	lution @3.5 lution ma r capacity k details c installed nated stea 1.8 &2.2 uce used consumpti the details Month Oct-23 Nov-23 Dec-23 Total nated fuel steam/ T of	magement  am require T/T of con (as per less of fuel con Coal (MT) 4820 3135 802 8757 consumpti	ment paper ogboonsum; ) P	Actual r MT/day which in  1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap Duplex B  Rice husi ik) ption of la: addy(MT) 0 1900 1900 1900 6424.98 = 192.66 169.769f 4.59 MT/ As per th	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. coard -258 k + Bagasse st three m Bagasse 19 93 145 258 T (Kraft Pe 5 MT/day MT/day	r solid lower for unit- found in pitator 96 T (@ 07 T(@) se + Co nonths p (MT) 0 9	waste (plastic than the estin cord keeping  1 & unit-2 - 30  n idle condition  (ESP)  1.8 T/T of paper al  brovided by the Total (MT)  5010  4074  4157  13241  8602.33 T (Dup	c waste) generation (5 nated value (10 MT/day  TPH with 7.1 MW Turbine- er produce) produce) unit:
	Air Pol  a. Bolle  b. Stad c. APCI d. Estin prod e. Fuel f. Fuel As per  g. Estin 3 T s h. Actu	lution @3.5 lution ma r capacity k details c installed nated stea 1.8 &2.2 uce used consumpti the details Month Oct-23 Nov-23 Dec-23 Total nated fuel steam/ T of	magement  am require T/T of con (as per less of fuel con Coal (MT) 4820 3135 802 8757 consumpti	ment paper ogboonsum; ) P	Actual r MT/day which in  1. Comm Operation 2. Boiler Stack He Electrost Kraft Pap Duplex B  Rice husi ik) ption of la: addy(MT)  0  1900  1900  1900  6424.98 = 192.66 169.769f 4.59 MT/ As per th	non-paper ) is much idicates p  non boiler ( nal of 22 TPH ight -45 m tatic Precip ber-19274, loard -258 k + Bagasse k + Bagasse 19 93 145 256 T (Kraft Pa 6 MT/day MT/day ne fly ash g	r solid lower for unit- found in pitator 96 T (@ 07 T(@) se + Co nonths p (MT) 0 9	waste (plastic than the estin cord keeping  1 & unit-2 – 30  n idle condition  (ESP)  1.8 T/T of paper  2.2 T/T of paper  al  brovided by the Total (MT)  5010  4074  4157  13241  8602.33 T (Dupon details provided provid	c waste) generation (5. nated value (10 MT/day  TPH with 7.1 MW Turbine- er produce) produce) unit:
	Air Pol  a. Bolle  b. Stad c. APCI d. Estin prod e. Fuel f. Fuel As per  g. Estin 3 T s h. Actu	lution @3.5 lution ma r capacity k details c installed nated stea 1.8 &2.2 uce used consumpti the details Month Oct-23 Nov-23 Dec-23 Total nated fuel steam/ T of	magement  am require T/T of con (as per less of fuel con Coal (MT) 4820 3135 802 8757 consumpti	ment paper ogboonsum; ) P	Actual r MT/day which in  1. Comm Operation 2. Boller Stack He Electrost Kraft Pap Duplex B Rice hust obtion of last addy(MT) 0 1900 1900 1900 6424.98 = 192.66 169.769f 4.59 MT/ As per th	non-paper ) is much idicates p  non boiler ( nal of 22 TPH ight -45 m tatic Precip per-19274 loard -258 k + Bagass st three m Bagasse 19 93 145 256 T (Kraft Pa 5 MT/day MT/day day ne fly ash g lonth	r solid lower for unit- found in pitator 96 T (@ 07 T(@) se + Co nonths p (MT) 0 9	waste (plastic than the estin cord keeping  1 & unit-2 – 30 in idle condition  (ESP)  1.8 T/T of paper  2.2 T/T of paper  al  brovided by the Total (MT)  5010  4074  4157  13241  8602.33 T (Dupon details provided (MT)	c waste) generation (5. nated value (10 MT/day  TPH with 7.1 MW Turbine- er produce) produce) unit:
	Air Pol  a. Bolle  b. Stad c. APCI d. Estin prod e. Fuel f. Fuel As per  g. Estin 3 T s h. Actu	lution @3.5 lution ma r capacity k details c installed nated stea 1.8 &2.2 uce used consumpti the details Month Oct-23 Nov-23 Dec-23 Total nated fuel steam/ T of	magement  am require T/T of con (as per less of fuel con Coal (MT) 4820 3135 802 8757 consumpti	ment paper ogboonsum; ) P	Actual r MT/day which in  1. Comm Operation 2. Boller Stack He Electrost Kraft Pap Duplex B Rice hust obtion of la- addy(MT) 0 1900 1900 1900 6424.98 = 192.66 169.769f 4.59 MT/ As per th	non-paper ) is much idicates p  non boiler f nal of 22 TPH ight -45 m tatic Precip per-19274. loard -258 k + Bagass st three m Bagasse 19 93 145 256 T (Kraft Pr S MT/day MT/day day ne fly ash c tonth loct-23	r solid lower for unit- found in pitator 96 T (@ 07 T(@) se + Co nonths p (MT) 0 9	waste (plastic than the estin cord keeping)  1 & unit-2 - 30 on idle condition  (ESP)  1.8 T/T of paper condition  1.8 T/T of paper con	c waste) generation (5. nated value (10 MT/day  TPH with 7.1 MW Turbine- er produce) produce) unit:

<ol> <li>Ash generation w.r.t of fuel consumed (%)</li> </ol>	0000.00					
<ul> <li>Estimated ash generation w.r.t fuel consumption</li> </ul>	38.15MT/day					
	Fuel	% of ash generation	Ash generation			
	Bagasse	2.5 %	63.61 MT			
	Paddy	15 %	285 MT			
	Indian Coal	30 %	2627,10 MT			
	Total		2975.71 MT			

For disposal of fly ash, unit has done agreement with

 a. M/s Bhupendre Singh Brick Supply, Sisona, Muzaffarnagar, UP and M/s Shiv Bricks Field, Khasra No. 541 Jalkhedi, Saharanpur, UP and

 GMR Contractor for disposal of fly ash at land of Mr. Yusuf, Village Nangla Buzurg, Muzaffarnagar, UP located at Khasra No. 1019, 1020, Rahkada, Bhopa, Muzaffarnagar, UP.

Actual fly ash generation (4.59 MT/day) is much less than the estimated value of fly ash generation (38.15 MT/day), which indicates poor record keeping.

m.	Stack monitoring report	Particulate Matter- 46.2 mg/Nm³(against 80 mg/Nm³)		
n.	Hazardous waste management			
	a. Authorization status	Authorization No. 18450/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/ MUZAFFARNAGAR/2022dated 17.11.2022 under the provisions of Hazardous and Other Wastes (Management and Transbounder Movement) Rules, 2016 which is valid from 17.11.2022 to 16.11.2027,(Authorization placed at <i>Annexure-4</i> )		
	b. Copy of agreement with recyclers /TSDF	Unit has obtained membership of M/s Sheetala Waste Management Project (SWMP), which is valid from 27.10.2023 to 26.10.2028.		

Hazardous waste generated

As per submitted copy of last four Form-10:

Date of providing waste to TSDF	Waste Oil	Waste Grease	Plastic	Used drums	Cotton waste	Waste Filter	Mixed incinerable waste
13.06.23	25 Litre	25 kg	20 kg	50 kg	10 kg	10 kg	
25.08.23	15 litre	20 kg	20 kg	50 kg	15 kg	10 kg	
29.10.23	-	*	71	50 kg	-	-	65 kg
07.01.24	5 kg	13 kg	10 kg	5 nos.	5 kg	1 no.	*

o. Major observation & Key issues

 Unit has obtained CCA for production of Kraft Paper-200 MT/day- Waste Paper based-180 MT/day and Agro waste based-20 MT/day, however as informed by the unit representative, agro waste based production of kraft paper has been stopped from June-2022.

For agro waste based production, unit has Chemical Recovery Plant (CRP) and a boiler of 22
TPH capacity. However, during inspection, CRP as well as boiler were found non-operational.
Also, agro waste was not found stored within the premises of the unit during inspection. Agro
waste based production has been stopped from June, 2022.

The unit is non-complying w.r.t consented discharge norms for BOD (122 mg/l w.r.t < 20 mg/l), COD (395 mg/l w.r.t <150 mg/l), TSS (45 mg/l w.r.t <30 mg/l) & TDS (3568mg/l w.r.t norms of <1600 mg/l).</li>

 The unit has ETP system upto tertiary treatment level, however non-compliance with effluent discharge norms indicate poor operation & maintenance of ETP.

 The unit also has one additional boiler of 22 TPH capacity, which was found non-operational.
 As informed by the unit representative, the boiler was previously used for its Chemical Recovery Plant, which is not in operation since last 1.5 years.

6. Actual boiler ash generation (4.59 MT/day) is much less than the estimated value of boiler ash

- generation (38.15MT/day) for both the units (Unit-I & Unit-II), indicates logbook is not maintained properly.
- Actual non-paper solid waste (plastic waste) generation (5.9 MT/day) is much lower than the
  estimated value of 10 MT/day for both the units (Unit-I & Unit-II), indicates, logbook is not
  maintained properly.

#### **Key Issue**

- Non-compliance w.r.t consented discharge norms for parameters BOD (122 mg/l w.r.t < 20 mg/l), COD (395 mg/l w.r.t <150 mg/l), TSS (45 mg/l w.r.t <30 mg/l) & TDS (3568 mg/l w.r.t norms of <1600 mg/l).</li>
- 2. Improper logbook for boiler ash generation & disposal.
- 3. Improper logbook for plastic waste generation & disposal.
- 4. Logbook for generation and disposal of ETP sludge is not maintained by the unit.
- p. Compliance Status: Non-complying w.r.t. consented discharge norms

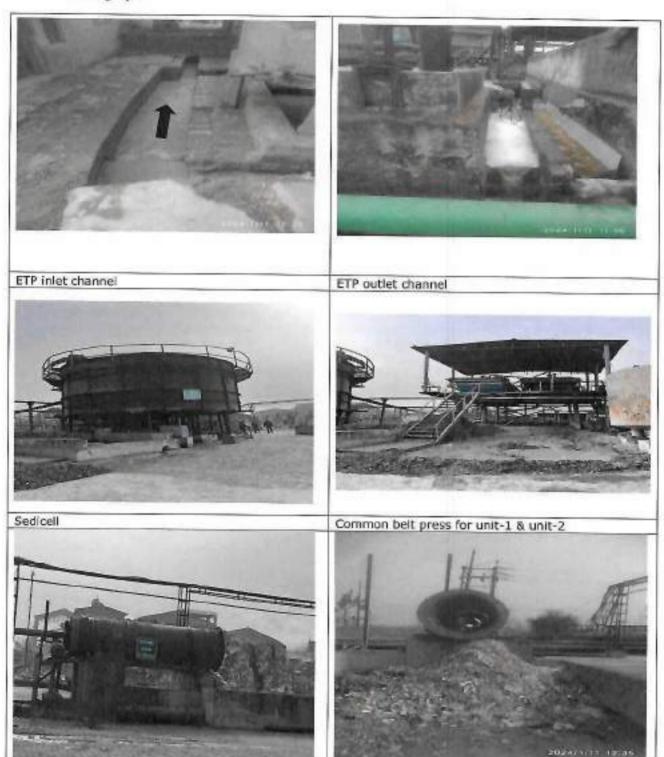
#### q. Recommendations:

- 1. Unit shall operate ETP properly to comply with the consented discharge norms.
- 2. Unit shall keep and maintain sales record/certificate of acceptance for plastic waste disposal.
- 3. Unit shall maintain proper logbook for generation & disposal of boiler ash and plastic waste.
- Unit shall maintain logbook for fresh water consumption, ETP sludge generation & disposal on daily basis.

Sr. No.	MoEF&CC/ CPCB officials	Designation	Organisation	Signature with date
1	Dr. Satya	Sc. 'E'	MoEF&CC	
2	Dr. R.K. Singh	Scientist D	CPCB, Delhi	Oxhal
3	Sh. Imran Ali	AEE	UPPCB	Oy"
4	Mr. Ashish Choudhary	Hydrologist	UPGWD	05-
5	Ms. Shivangi Goswami	RA-II	CPCB, Delhi	California America
6	Mr. Ankit Shukla	SRF	CPCB, Delhi	Auto
7	Mr. Muktesh Choudhari	SRF	CPCB, Delhi	
8	Mr. Maneesh Yadav	SRF	UPPCB	Destanting of

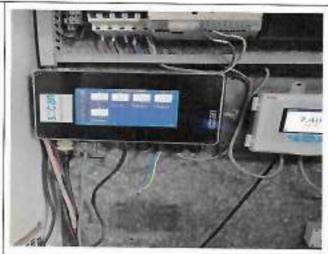
## 317

### Photographs



Rotary drum filter





OCEMS reading at ETP final outlet



Non-operational CRP



#### Uttar Pradesh Pollution Control Board

319

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010 Phote:0522-3730828,3720831, Fax:0522-2720764, Rosail: inforcuppels on Website: www.topeds.com

180978/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 26/05/2023

To.

M/sBINDLAS DUPLEX LTD UNIT 1

10.6 KM, VILLAGE- JAT MUJHERA, BHOPA ROAD, MUZAFFARNAGAR, DISTT-MUZAFFARNAGAR (UP), MUZAFFAR NAGAR, 251308

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable to be referred hereinafter as Water Act, Air Act respectively).

Application no. 20419487

Date :- 2023-04-10

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s BINDLAS DUPLEX LTD UNIT 1 located at 10.6 KM, VILLAGE-JAT MUJHERA, BHOPA ROAD, MUZAFFARNAGAR, DISTT.- MUZAFFARNAGAR (UP), MUZAFFAR NAGAR, 251308 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit		Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	Waste Paper 200 MT/Day and Again waste Based - 65 MT/Day, Alum Pag, Rosin, Caustic	Krafi Paper- 200 MTD (Waste Paper Based-180 MT/Day, Agro Waste Based-20 MT/Day), TURBINE- 4.0 MW	Kraft Paper (200 M ft) (Wasie Paper Based-180 M ft/Day, Agro Waste Based-20 M ft/Day), TURBIND: 4.0 MW

GHAN SHYAM Digitally signed by GHAN SHYAM Bate: 2023,06:08 (2:27142 - 05/3)

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the unit		Permitted by the
		Numbers	Usage / Process operation	Board

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- iii. The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

#### A. Fresh water consumption

- 1. Categorization of existing groundwater area; Safe/ Semi critical /Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2027-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

	Total water the same water	Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the fosses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed	
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced	
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler < 2.5 m3 / t paper With Power Boiler < 5 m3 / t paper	

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log. book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- 11. Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

#### B. Trade effluent treatment and discharge: -

This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

## 321

S.No	CCA is valid for	Declared by the unit	Permitted	
1	1400 KLD	1490 KLD	1400 KLD THROUGH ETP	

#### 2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed	
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced	
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)	

#### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- vii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to eater the losses in water accrued during process.
- v Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary. Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- 5 The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the remaining treated effluent after achieving the norms as mentioned below shall be disposed off into the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pII	6.5 – 8.5	6.5 - 8.5	6.5 – 8.5	No discharge is allowed
TSS, mg/l	< 30	<30	<30	No discharge is allowed
BOD, rag/l	< 20	< 20	< 20	No discharge is allowed
COD, mg/	<- 200	< 150	< 150	No discharge is allowed
TDS, mg/l	< 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<- 250	< 150	< 150	No discharge is allowed

## 322

AOX, mg/l	<- 8	=:	-	No discharge is
SAR	<= 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black hquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- 15. The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually,
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
L	Maximum daily discharge of sewage	6
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SEPTIC TANK

\* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately. The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.

#### Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; ECF bleaching for aground a proper for agrou
- d. Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units

#### 7. Environmental management system

- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.

#### 8. Air Pollution Mitigation

The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
I.	1 X 30 TPH Boiler with ESP, 1 X 12 TPH Boiler with Multi Cyclone Dust Collector	Biomass/Coal- 300 TPD and Black Liquor- 200 MT/Day	beight from		AS PER CAOM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
  as is required for meeting the ambient noise standards for night and day time as prescribed for
  respective areas/zones (Industrial and Commercial) which are as follows: -

		level in db.(A) Leq	
Industr	ial Area	Commer	rcial Area
Day	Night	Day	Night
75	70	65	

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped insmediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior approval before making any modification in product/ process/ fuel/ plant machinery failing which consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets) Current Assets. Current Liabilities) of the unit at the end of each financial year so the Consent fee pavable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- 12. made thereunder.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 12:22:34 +08:30\*

## 325

- 13. If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by poor approval of Board.
- The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforescen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25 The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

- This CTO is valid only for production of Kraft Paper- 200 MT/Day (Waste paper based-180 MT/Day, Agro Waste based-20 MT/Day) by using Alum/Pac, Rosin, Caustic (As per Requirement) as raw material and TURBINE OF 4.0 MW at site 10.6 Km. Village- Jat Mujhera, Bhopa Road, Muzaffarnagar.
- The Earlier Board has issued a CTO vide Ref No. 123759/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/water/MUZAFFARNAGAR/2021, Dated: 07/06/2021 and Ref No. - 123753/ UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARN AGAR/2021, Dated: 07/06/2021 is revoked.
- The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
   GHAN SHYAM Date: 2002.06.00 1222-11: 405-36.

- 4. Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 5. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- The Industry must install the STP for treatment of domestic sewage 10 KLD and submit the proposal for same within month to the Board.
- 7. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 8. The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- Phe Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 10. Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 11. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 12. The unit shall ensure deployment of qualified manpower to step up self-monitoring mechanism on 24 ×7 basis.
- 13. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 14 Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 15. The industry shall operate and maintain 1 X 30 TPH Boiler installed with ESP and 47meter stack height from ground level and 1 X 12 TPH Boiler installed with Multi Cyclone Dust Collector and 30 meter stack height from ground level. Unit uses Boimass/Coal- 300 TPD and Black Liquor- 200 MT/Day as fuel in Boiler. Unit also have 1 X 1000 KVA and 1 X 380 KVA DG sets with stack height as per norms. Unit uses PNG/Diesel as fuel for DG set. Only approved fuel is permitted as per CAQM direction.
- 16. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P. Act 1986 as amended.
- 17. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/61/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Ilusk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM a tpoint to 65.
- 18. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 19. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 20. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining

- Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 22. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 23. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available' as one-time as per CAQM direction dated-16.12.2022.</p>
- 24. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 25. The dying, bleaching and deinking process are not allowed in the production process of the unit.
- 26. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 27. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 28. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 29. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 30. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 31. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P.Rules 1986.
- 32. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 33. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 34. Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board.
- 35. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 36. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 37. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court. Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 38. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and

Control) Rule, 2000.

- 39. The unit shall submit the audited balance sheet for the current year.
- 40. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 41. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppeb.com/pdf/Green-Belt-Guidle 160218.pdf.

GHAN SHYAM Digitally sligned by GHAN SHYAM Date: 2023.06.08 12:23:06 + 05:30

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 12:23:14 (05'30'

Chief Environmental Officer (Circle 3)



# Bindlas DUPLUX LIMITED

Date: 08th Feb. 2024

To

The R.O.
U.P. Pollution Control Board

6-8 new mandi Muzaffarnagar U.P.

Sub: Temporary closed of production of Kraft Paper using Agro Residue

Dear sir

We are writing to formally notify the Uttar Pradesh Pollution Control Board of the temporary closure of our kraft paper production facility, utilizing agro residue as the raw material, effective from 16th June 2022. Since then we are using only waste paper as raw material.

We assure you that our company remains committed to environmental sustainability, and we will resume production only after ensuring that all required standards are met.

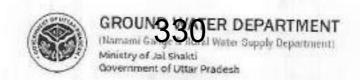
Thank you for your attention to this matter. We look forward to your cooperation and understanding

Sincerely yours

For BINDLAS DUPLUX LIMITED (UNIT-1)

**Authorised Signatory** 

c/c : CPCB, New Delhi



Mynemuse- AL

Maximum Albuwabile

Forming Hours Per Day.

483000 00

#### Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC024478

VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Utlar Predesh Ground Water Management and Regulation Act, 2019)

		-1	
Registration No.: 202112000302			
Name of the Owner	PANKAJ ADGARIWAJ		
Oreignation 9g	MANAGING DIRECTOR	Company Name कंपनी का नाम	BNOLAS BUPLUX
Company Address कंपनी का पता	10.9KM, EIHOPA, HCAD, MUZAFFARNACIAR	Authorization Letter प्राधिकार पत्र	Downland
Address of the Appliquent	10.6 KM, BHOPA ROAD, VILLAGE» JAT MUJHEDA, MUZAFTARNAGAR, DISITI- MUZAFTARNAGAR UTTAR PRIADESH	Application Form Serial No.	MZFN1221MN0088
Date of Submission	15/12/2((21	Specimen Signature	
Location Particulars			
District	Mucather Najage	Block	MILENTENNISM
Plot No./Khesmi No.	10.6KM	Municipality/Corporation	
Ward No. Holding No.			NA
Particular of the Proposed Well	and Pumping Device		and a
Date of Construction/Sinking of the Well	92/07/2021		
Type of Well	Tube WidARtoring	Depth of the Welliam water)	186.00
Purpose of well	Vidualities	Assembly Strelfer Tube Well)	
Strainur Position (For Tabe Well)			
Type of Pump Used	Submorable	H.P. of the Pump	75.00
Operational Device	Flucinic Motor	Rate of Withdrawal (m <sup>2</sup> lhc.)	230.00
Date of Energization (In Case of Electr	ric Pump)	bs/07/2021	

Maximum Allowable Hala of

Missimum Admentile Annual Extraction of Ground Water:

Withdrawal (m-1ter.):

220.00

This No Objection conflictly authorized the owner applicant (user) to sink a well at the location separated at St. (2) for extraction of ground water at units not associately that we shown at St. (3), for Examining per day, as shown at St. (34), and for insamum allowable annual extraction of ground were to shown at St. (34) and is solid subject to the observance of the conditions status overland. GENERAL CONDITIONS:

- In case of any change of eurocatic of the proposed well, fruit authorization has to be obtained.
- tile change of feature, design, rate of withdrawall and pumping device in respect of the amposed well as indicated at St. (2) and (3) of this conficate shall an made without programmes of the Competent Authority, Any downton in this regard shall lead to conceilation of this authorization
- has the purpose of measuring and considery the quality of ground water extracted, every said user med offer digital water flow motors (conference to NSCIS standards) having telectory system in the studioschor structure, which record rate and quantum of expectan, at subst of purging devices and a snot be presumed that the quantity recorded by the mass has been extracted by the said user, and the contany is proved. The rate of extraction of ground water from the well as shown in turn 3(k) shall not accessed to the recorded note from water motors.
- The concerned Authority reserves the right in step detrocken of picturel water from the well duri to quality bayards or any offser resusers, if the signature an isomands.
- In zone of any change of ownership at the desting seal, hashing-stration zas to be obtained.
- No charge of location. Steign, rate of withdrawed and pumping device in respect of the oxisting wish as indicated at St. (2) and (3) of this contribute without prior permission of the Competent Authority. Any dewarken in this regard shall load to cancellation of this logistration
- as case, any of the participes I information turnshed by the applicant in his application for insurance of this registration is found to be incorrect during verification at any subsequent stage. This registration ip Saple for committees.
- The Configure of Authorization' ACC shall be valid for a period of two years from the date of issue. The applicant shall have to apply for remeal divough a from application, at least surrey days prior to-
- Create action of personnels and installation of digital water level recovers with interroping shall be mondatory for usur. Depth and zone begand of planometer should be commonweath with that of this pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelance for Installation of Precometers and their Monitoring

Provisional to a bordwill fused only for measuring the water level by lowering the saunder or automatic eater level measuring equipment. It is also used to take water sample for water quality swring when over needed. General quickines for installation of placemeters are as follows:

- The pleasureter is to be installed constructed at the minimum of 50m disturce from the pumping well through which ground water is being withdrawn. The dismeter of the presentater should be
- Includes of the presentative should be same as a case of the purpose well from which ground water is being abstracted. If, more than one presentative are involved the auteored preventative. should moretar the shollow ground water regime, it will facilitate shallow as well as deeper ground water aquifor moretoning.
- No. of pronometers to be corresputed & Type of water level musicuring mechanism until bit as per below table.

SMn	Quantum of Circuit water withdrawal (currency)	No of preventions required	Monterny Worthwayn	
		THE REPORT OF THE PARTY OF	Morsaul	Direction tolerappy
4	4.10	0	n	Ď
2	11 - 50	1	1	0
1	50-500	1	0	4
4	÷ 500	2	0	2

- The massuring frequency about the manifety and accuracy of measurement should be up to on: the reported measurement should be given in meter upto two decimal.
- For requisirement of water level secondar or automatic water level recorder (AVVLR) Digital Automatic visiter level recorder (DVVLR) with telestropy system should be used for accuracy.
- The recognition of water level at prevented a should be taken, only after the pumping from the surrounding tube walts have been stopped for about tour to six hours.
- . All the details regarding coordinates, reduced level (with respect to mean level), depth, none taped and assembly invered should be provided for bringing the prevention into the Hydrograph Monitoring System for Ground Water Department, Ulter Predesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/Aata) and post-monsoon (October/November) periods. Duality may be get as alyand from NASI; serviced lab. Scalation, one sample (1 it capacity bottle) to the controlled Director Crossed Water Department, Littar Proclash, for chornical analysis
- A Printigenial display bound should be installed at alexamples/Table well for providing this location, playamotes/Table well number, depth and your tapons of prevamples/Table well for observing references and identification,
- Any other site appeals requirement regarding safety and access for measurement may be token care of
- Any atter condition(s) that may be imposed by the concerned Authority.
- In case, any of the purisulars il information furnished by the applicant in his application for lessuance of this permit is found to be insurred, during vertication at any subsequent stage, this permit is found to
- SPECIFIC CONDITIONS:
- (A) Fur Industrial User: No Objection Certificate for ground water extraction by industries shall be granted autient to the following specific conductors
- (1 No Objective Certificate shall be granted only assume where local government water supply agencies use not able to supply the desired quantity of eather
- o All industrial shall be required to satisf latest seater efficient technologies on as in reduce dispondents on ground water recourses.
- in All mutuatives abstractiving ground water in excess of 180 miles than the required to undertake minute wider audit through Contrationation of Indian Endounce (CRU Endorates Indian Chambre of Communication of the same in Grand Vieter Department Ultra Position within three marries of completion of the same in Grand Vieter Department Ultra Position All such industries abolf an required to ratiose their ground velotin use by at least 20% over the read had yours through appropriate moves.
- re) Construction of observation widing (prevention)(s) within the promises and untablation of appropriate water level manuscring mechanism as mensioned in General Constitution as it is manuscript to a subject to the construction of the constructi redustries drawing proposing to draw more than 10 m<sup>3</sup> /day of ground outer and. Monitoring of water level shall be done by the project proposine. The presentator (observation wall) shall be constructed as a measure distance of 50 m from the core well-production well. Copts and aquitar zone tapped in the parameter shall be the same as that of the puriping well wells. Monthly water book data shall be submitted online to the Ground Water Department, UP
- or The proportion should be required to adopt root top rain water harvesting/rectarge in the project promises. Industries which are flerly to pollute greated water columns of the project points. Restlicts barriery, postunders' intercession, fortificers, slaughter house, explosives etc.) shall store the appreciate rian weter in surface storage barks for use in the industry.
- wij transition of mounted antiquited wants mater into aquifer system is strictly promitted.
- with Industries which are likely to cause ground water politrion e.g. Tonning; Staughter Houses, Dyo, Chamical Potrochomical, Cost washered, other transmiss when etc., (see per CPCH Int) rever to contaction recessary well heart protection measures to ensure prevention of ground water policion.
- (B) Infrastructural Diser. The Ni-Objection Curificate for ground water abstraction will be granted subject to the following appeals conditions:
- i) in case of intractinuous projects that require deviationing, proportion shall be required to carry and require deviationing of deviationing discharge natural country and applications of the country and deviation of t celine to Ground Visitor Department, UP as applicable. Monitoring records and results should be resulted by the proponent for two years, for expection or reserving an required by District Cooper Visitor
- ac instribution of Sciences Treatment Plants (STP) shuffled representatively for new projects, where ground water sequentment is more than 20 m² visity. The water from STP ahed be utilized for soles flushing, car solithing guidening etc.

Unio 07/04/2022

FYOOD Muraffor Nagar

This certificate is electronically generated and does not require digital signature



Form 8 (C) (See Rule 8(1))

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC049747 VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Litter Pradesh Ground Water Management and Regulation Act, 2019).

		7	
ibugistration No.: 202111000569			
Make of the Owner	HYNNON MCCONTROL		
Designation Vg	MANONG ORDEROR	Company Name	DINDLAS BUPLOO E3D, UNIT 6-2
Gompany Address कंपनी का पता	19.6KW, SII KREW POZID, MAJZWI FARRANOZEK	Authorization Letter प्राचिकार पत्र	Orentead
Address of the Applicant	10.1 RM. DEIDPATHDAD, VILLAGE-JAT MULTEDA, MUZAFTARNAGAR, DISTE-MUZAFTARNAGAR UTTAR PRADESH	Application Form Script	MAI N1271NBIDDE
Date of Submission	3001/2001	Specimes Signature	
Location Particulars			
District	Wurafter Nager	Block	MUZALI ARNAGALI
Plot No./Khasra No.	10.004	Municipality/Corporation	
Ward No./Holding No.			N/A
Particular of the Existing Well at	nd Pumping Device		
Date of Construction/Sinking of the World	15/03/1969		
Type of Well	Tube WellBerng	Dopte of the Well (In meler)	115.00
Purpose of well	Industrial	Assumbly Size(For Tube: Well)	
Strainer Position (For Tube Wall)		1000000	
Type of Pump Used	Submerable	KP, of the Pump	6.00
Operational Desice	Elactric Notes	Rate of Withdrawal pm <sup>3</sup> /tr <sub>4</sub>	25.00
Date of Energization (in Case of Electr	de Pump)	30002018	

Maximum Allowable flate of

Minimum Allowable Annual Extraction of Ground Water:

Withdrawal im<sup>3</sup>/bc.):

26.00

Wasinum Allgeable

Running Hours Per Day:

07500.00

This No-Objection continues the owner applicant (user) to said a well in the location of property St. (2) for extraction of ground water of a rate not accounting that an above at St. (3), for Humany is seen at St. (34), and for maximum allowable atmost extraction of ground seen at St. (34) and is valid subject to the observance of the countions stated metrical.

#### GENERAL CONDITIONS:

- In case of any change of menerable of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at (3, (2) and (3) of this cartricate shall be made without prior primitive of the Comprised Authority, Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall after digital water flow maters (conforming to ISIS/IS attendands) having extractly system in the obstraction shustom, which record rate and quantum of deviation, at custo of purposing devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said until only the carmary is provide. The rate of extraction of ground water from the wolf as shown in item 3(k) shall not exceed to the recorded rate from water motors.
- The conserved Authority reserves the right to step extraction of ground water from the well due to quality inscends or any other reasons. If the satuation so domainds
- In case of any change of ownership of the existing well, thesh regulation has to be obtained,
- No change of location, design, rate of withdrawal and pumping device in respect of the assuring well as indicated at \$1, (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any designation in this regard shall lead to concelerion of this registration.
- In case, any of the particulars I information furnished by the applicant is his application for issuance of this registration is found to be incorrect during verification of any subsequent stage. The registration is whoble for cancellation
- This Corollogies of Authorization MCC after be water for a period of five years from the date of issue. The applicant shall have to apply for runswall through artists applycation, at least retroit days prior to copy of its colody.
- Constitution of percentages and installation of digital legior level recontages with telegrapy shall be maintakeny for user. Depth and zone teppod of piezoneter should be commonwant with that the pumping well. The quial contrared from digital water level recorders shall be made available to this office os monthly basis
- Goodelines for Installation of Piezometers and their Monitoring

Reparation of a barcard Aubered used only for measuring the water level by lowering the types sounder or automotic water level measuring equipment. If it blief used to believe the complete water quality testing when ever number. Control guaptiones for restallation of preveneturs are no follows:

- The provenutor is to be installed constructed at the maximum of 50 m distance from the pumping will through which ground water is being withdrawn. The distance of the provenutor should be
- The eight of the playonister should be same as is case of the purroing well from which ground water is being abstracted. It, more than one precemeters are installed the second precurrency. should markler the shelter ground water regime. It will facilitate shallow as well as despet ground water equilibring.
- No. of pierometers to be constructed is Typic of water laws monitoring mechanism shall be as per below table:

SNb	Quantum of Ground water withdrawal (purniday)	withdrawal (ourn'day) No. of piezomotors required	Mandeing Mechanism		
	7/200 (2010) 415 (2010) 10 (2010) 10 (2010) 2010 (2010) 2010	11910-4199999911111111111111111111111111	Manual	DWI Routh leiemetry	
1	~10	0	D	0	
2	11 - 90	1	1	0	
3	50-500	1	0	1	
4	> 500	2	o	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to circ. the reported measurement should be given in motor upto two decimal
- For reconstructed of water level sounder or automatic water level recorder (AAN, R) Digital Automatic water level recorder (CAN, R) with telemetry system should be used for accuracy
- the resistancement of water level in paintenator should be taken. Only after the pumping from the surrounding take wells have been stopped for about four to surround in
- All the dutal's segreting coordinates, reduced level (with respect to mean level), depth, one topod and seasonable (sweeted the bringing the previously relieves) and the dutal's segretarily (sweeted the bringing the previously relieves). Monitoring System for Ground Water Department, Litter Products, and for its waldation.
- The prisond visitor quality has to be manufaced twee in a year during pre-monader (May/Anne) and post-measures (October/Neveration) periods. Quality may be get analyzed from NAS. Improved 140. Packare, one cample (1 & capacity bettle) to the concerned Director. Ground Water Department, Uter Practicit, for chemical analysis
- A Personage analysis board should be established at prevention/I she well set providing the location, prevention/I she well number, depth and amornished an accommeter/Like well for absoluted referencing and identification.
- Any other stin opecific requirement regarding safety and access for measurement may be taken care of
- · Any other condition(s) that may be enposed by the concorned Authority.
- . In case, any of this pursuable I information furnished by the opplicant in his application for issuance of this purnit is found to be incorned during vertication at any subsequent atmo-ths power is leaded to: spricellation
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- () No Objection Contribute small be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water
- or All industries shall be required to adopt fotoof water efficient actnologies so as to reduce dependence on ground water resources.
- iii) All industries applicating ground wider in excess of 100 mile shall be required to endertake arrival water quest through Confederation of index industries (CIII/ I excession industries described arrival sealer question arrival sealer question of index industries (CIII/ I excession industries arrival sealer question are arrival sealer question arrival sealer question arrival sealer question are arrival sealer question are arrival sealer question arrival sealer question are arrival sealer question arrival sealer question are arrival sealer question Commercial and Industry (HCCII) National Productivity Council (NPC) carbfeld auditors and submit audit reports within three months of completion of the same to Ground Water Department Litter Products. All such redustrics shall be required to reckled their ground widor use by at least 20% over the next five years through appropriate means.
- 10) Construction of observation walks) (plantmeter)(s) within the promises and metallation of appropriate water level mentalizing accounting assertation as mentalizing and construction as mentalized as a second construction and the mentalized as a second construction as as industries disawing/proposing to draw more than 10 m<sup>4</sup> Alay of ground water and. Mentioring of water level shall be done by the pioject proportion. The prevention with shall be constructed of a reconsum discourse of 50 m from the tiere well-production well. Depth and squiter zone tapped in the passemptor shall be the same as that of the pumping well-wells, Marshly sector level case shall be Submitted unlive to the Ground Mater Department, UP
- ii) The proponent shall be required to appet read top min water harvesting? recharge in the project promises, industries which are likely to police ground water job receive, pharmecratical, alone, pagments, paints, triefles, foreign, proceeded, inscholars, ferblures, slaughter house, explosives etc.) shall store the harvested nen water in surface storage trains for one in the industry.
- will imposition of Himmon's ammented waste water into aquitor system is strictly prohibited.
- will industries which two block to cause ground water pollution e.g. Tanning. Shoughter Houses, Dyn., Chemical Provocheristal Cost washinger, other hazardous units rise (as per CPCB list) next to undertake necessary well hand protection measures to ensure prevention of ground water pathologic
- (6) Infrastructural base. The No Objection Contribute for ground water absolution will be granted subject to the following specific nonstitute.
- () In case of intrastructure projects that majors deventoring, proported shall be required to carry out regular manuscript of 400001019; discharge nate puring a digital water flow risition and submit the disks prime to Ground Water Department. UP as applicable. Monitoring records and results should be required by the proported for two years, for importance or required by Exercit Cround Water Maragement Council
- at Inscalation of Sewage Treatment Plants (811) shall be mandstory for new projects, where ground water requirement is more than 23 m² iday. The water from STP shall be unlived for tollet flushing, car weeking, gardening oto

Date: 28/03/2022

Place Muzaflar Nagar

This certificate is electronically generated and does not require digital signature



Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Ultar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOCO10033

VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Ultar Pradesh Ground Water Management and Regulation

	(5/51/5/1) of the Ottar Francish Ground Water Management and Regulation Act, 2011	9)	
Registration No.: 202111000568			
Name of the Owner	PWKAJ ADGARDAL		
Designation 44	MANAGING DIRECTOR	Company Name संपर्धे का नाम	DINGLAS DUPLUX
Company Address कप्नी का पत्रा	10.6KM, ISHDIYA RQAD, MUZAFFARMAQAR	Authorization Letter	Downland
Address of the Applicant	10.6 KM, BHOPA-ROAD, VILLAGE- JAT MUJHEDA, MUZAFFARNAGAR, CRETT- MUZAFFARNAGAR, DI TAR PRZOZ SH	Application Form Social	MAT N1221 NINDORS
Oute of Submission	30/1/2021	Specimes Signature	
Location Particulars			
District	Muzethe Nager	Block	MUZAH ARNAGAR
Plot No.IKhosra No.	10,0404	Municipality/Corporation	
Ward No./Holding No.		manufacture for another	N/A
Particular of the Existing Well a	nd Pumping Device		Part
Date of CoredructionSinking of the Well	15/03/1989		
Type of Wall	Tube Well/Soring	Dupth of the Woll (In trains)	110.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Positios (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	62.00
Operational Device	I fechic Note:	Rate of Withdrawal (m³hc)	180.00
Date of Energization (in Case of Electr	is Pump)	30000017	

Maximum Allowable Rate of

Maximum Altreable Annual Extraction of Ground Water:

Withdrawall jerr the le

180,00

Maximum Allowable

Fanning Hours Per Day:

HIDS

378000,00

This No-Objection curtificate authorizes the owner applicant (user) to sink a wolf in the location of ground St. (2) for contaction of ground water at a sets not exceeding that as shown at St. (3), and for imprimise allowable annual extraction of ground to set as shown at St. (3), and to said subject to the observance of the conditions stated events. St. (2) for extraction of ground water at a sets not exceeding that as shown at St. (3), for literary

- In case of any diange of exhauship of the proposed well, frest authorization has to be obtained.
- No change of focusion, posign, rate of withdrawal and pumping device in respect of the proposed section indicated in St. (2) and (3) of this conflicate shall be made without programmes an of the Competent Authority Any desention in the regard shall lead to concellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affect digital water flow meters (conforming to \$95/15) standarded feating behaviory system in the structures in interest, which record rate and quantum of contaction, at substicing sources and it shall be prosumed that the quantity recorded by the motor has been extracted by the motor ha the contrary is proved. The rate of indirection of ground water from the well on shown in John 5(b) shell not exceed to the recorded rate from water meters
- The discounsed Authority reservoirs the right to stop detection of ground scalar from the well due to quality havorels or any other research, it the situation so dominates
- In case of any change of ownership of the costing well, fresh registration has to be obtained.
- No change of lacation, design, rate of septidiscised and pumping device in respect of the costing well as indicated at St. (2) and (3) of this confidence shall be made without prior permission of the Competent Authority. Any downton in this regard shall lead to cancellation of this registration
- In case, any of the particulars l'information furnished by the applicant in his application for issuance of this registration is found to be incorrect during wintleasion at any subsequent stage.
- . The Certificate of Author/retient MCC shall be valid for a period of five years from the date of sourc. The applicant shall have to apply for tenteral divough infrash application, at least sinny days prior to Ottory of its solidity
- Construction of privarieties and statistists of digital water level recorders with informetry sholl be mandatory for user. Depth and zone dapped of processors should be commonweavable with that of their purpose wait. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines the Installation of Pionseneture and their Monitoring

Provonedar is a borowell disbowell used only for measuring the water level by lowering the tapel sounder or automatic water level measuring equipment. It is also used to take water sample for water quality itenting when over needed. Commit guiddines for inscalation of plexomotors are as follows:

- The plantmeter is to be installutious suction at the minimum of 50m distance from the purpose well through which ground water is being withdrawn. The dismater of the prevention should be.
- . The depth of the plazometer should be some as is case of the pumping well from which ground eater is being utrahested. If, more than one precentative we installed the second preventation should marrier the shallow ground water regime. It will healtafe shallow as well as deeper ground water aquifur monitoring.
- No. of provincetors to be constructed & hypotol water involved mentioning mechanism what be as per below trate

SNo	Disartian of Ground water with thought instending	No. of piezometers required	Monitring Nextransin	
92		CONTROL CONTROL SERVICE.	Manual	DW Risth Jolomity
	- 1D	D	ū	n n
.5	11 - 50	1	1	0
3	50-600	1	D	1
4	÷ 600	ž	0	

- The recussing frequency should be morthly and accuracy of recoverient should be up to on, the reported measurement should be given in materials also document.
- . For more propert of water lavel equalities or automatic water level recorder (VMLR) Digital Automatic water level recorder (DMLR) with telemetry system about the used for recorder
- The measurement of water level in powermeter should be taken, only after the pumping from the surrounding tube wills free been stepped for about four to see fours.
- All the details requiring coordinates, reduced level (with respect to meet level), depth, zone layed and assembly lowered should be provided for beneging the passement into the Hydrograph. Monatoring System for Ground Water Department, Ultar Pradesh, and for its validation,
- The ground water quality has to be monitored twice in a year during pre-monsous (May/June) and distinguishments (October/November) periods. Quality may be get unallyined from MAIII approved bits, Desides, one sample (1 It capacity bettle) to the concerned Director. Ground Water Department, Utter Products, for charactel analysis.
- A Permanent display beard should be installed at prevention/Tube wells also for providing the legislation, prevention/tube well number, display beard should be installed at prevention/tube well for vocations. referencing and stentification.
- Any other rate specific requirement reparting suferly and occass for measurement may be taken care of
- Any other conditioned that may be imposed by the concerned Authority
  - In case, any of the particulars I information furnished by the application for example of this gentities found to be incorrect during weighted on at any subsequent alogo, this point is bente to
- SPECIFIC COMOITIONS:
- (A) For Industrial User: No Objection Distriction for ground water extraction by industrial the granted subject to the following operate constraints
- it No Objection Constructor shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water
- iii All industries shall be remared to adopt falcat water efficient austraplogies so so to reduce dependence on pround water resources.
- a) All industries also acting ground wide in excess at 100 m/g shell be impared as and white secure states through Confederation of indices acquisities (City / education indices excess of Communication of Industry (FIDCITY National Productivety-Council (NPC) certified lauditors and automit laudit reports within three mentiles of completion of the same to Crossed Water Department Uttar Pillation All such initiatives shall be required to reduce their ground water use by at livest 20% over the next tive years through appropriate means.
- to Construction of observation works) (pair-ometer's) within the promises and installation of appropriate water level monitoring mechanism as mendented in Sciences Condition no.10 shall be mendatory for industries disserted proposing fordraw more than 10 m<sup>3</sup> Atlay of ground water and. Mentioring of water level shall be conceing the project proporties. The proyect proporties (observation well) shall be constructed of a recommen distance of 50 m from the bare well-production well. Depth and aquifor coor tapped in the placemeter shall be the sums as that of the pumping well-wells, Manthly sales level data shall be submitted online to the Ground Water Department, UF
- y) The proported shall be required to adopt real top rise water travesting/ recharge in the project promises, instantive which are Neety to pollute ground water schemast, pharmacoustical, dyes, proported paints, funding tarnery postspring reportedes, forteres, staughter house, explosives etc.) shall store the harvested rais water in surface storage tanks for use in the industry.
- we improve that involved entrooted waster with provider system in strady prohibited.
- well Industries which are block to cause ground water problems e.g. Towning, Streighter Research, Dye, Chamelet Patrochamical, Coal westerness, other hazardous units atc. (as per CPCIII list) need to and chake necessary well have protection mississings to consure provention of ground value policion.
- (6) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions
- () In case of infrastructure projects that require developing proportion shall be required to carry our regular managing of developing class long as again, weight does motion and submit the digital arting to Ground Water Department, UP as applicable. Montening records and results offsuid to nationed by the proportion for two years, for impaction or reporting or required by Dietect Crewed Victor Management Council.
- or Investation of Sewage Treatment Plants (8TP) shell be mandatury for new projects, where ground water requirement is more than 20 m<sup>2</sup> idea. The water from STP shell be unliked for toest flushing, car

Date: 07/04/2022

Place Mazatlar Nagar

This certificate is electronically generated and does not require digital signature.



#### Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Ultar Pradesh Ground Water Management and Regulation Act, 2619.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC022719 VALID FROM 19/01/2022 TO 18/01/2027

(UIS18(1) of the Ulter Pradesh Ground Water Management and Regulation Act, 2019)

Registration	No.:	20211	1000570
--------------	------	-------	---------

Name of the Owner

EWIKAL ADGARIAN.

Designation

tre

MANAGING DIRECTOR

Company Address

10.4KW, BEIDPA ROAD, MUZAF LARINAGAE

Company Name रूपनी का नाम

GINDLAS DUR UK LTD, UNIT 1 8-2

कंपनी का पता

Authorizatios Letter प्राधिकार पत्र

Drawdnost

Address of the Applicant

18.5 KM, BEOPA HOAD, VILLAGE-LAY MULHEDA, MUZAFFARNAGAR, DISTT. MUZAFFARNAGAR LIFTAR PRADESH

Application Form Saval

MZFN1221NIN0087

Date of Submission

30V11/2021

Specimen Signature

Location Particulars

District

Muzaffor Nopar

MEZAFFAHNAGAIR

Pilot No./Khasre No.

10.6837

Municipality/Corporation No.

Ward No.040Hing No.

Particular of the Existing Well and Pumping Device

Date of Committeetical Sisking of the WHE

Type of Well

Tube Well/Dorng

Depth of the Well (In

THEBO

Purpose of wall

industrial

meter

Assembly Size/For Tube

Wests

Strainer Position (For Tube Well)

Type of Pump Used

Submersible

H.P. of the Hump

95,00

Oppositional Device

Fleetisc Motor

Rate of Withdrawal

\$311.00

Data of Energization (In Case of Electric Pump)

230.00

(office) 09/12/2017

a con

Maximum Allowable Rate of

Writhdrawool Im-New Yor

Maximum Allowable Running Hours Per Day:

Maximum Allowable Annual Extraction of Ground Water:

483000.00

This No City in certificate authorizes the owner applicans (user) to sink a section in the increase exercises of grown when at a new not exceeding that as shown at St. (Sq. for identity water as shown at St. (Sk), and for maximum above the annual extraction of grown water as shown at St. (Sk) and its valid author to the observation of the conditions states overland. GENERAL CONDITIONS:

- . In data of any charge of ownerstep of the proposed well, fresh authorization has to be obtained.
- No charge of location, design, rate of withdrawal and pumping device or respect of the proposed wall as indicated at \$1.12) and (0) of this constructe shall be made without prof permission of the Compliant Authorny, Any sevulation in this regard shall lead to concellation of this authorization
- or the surprise of integrating and recording the quantity of ground water extracted, every used user shall affect digital water flow incitors, (conforming to BIS/ IS standards) having administry asystem in the attack person on control, subsect increased under most quantitient of with motor most quantitient of particles of particles and it shall be presumed that the quantity recorded by the motor has been destructed by the said unit, write the contrary is proved. The rate of caraction of ground water from the wall as shown at dem 3(k) shall not exceed to the recorded rate from water motion
- The concerned Authority reserves the right to step extraction of ground water from the well due to quality hazards or any other reasons. If the attained so dominion.
- In case of any change of ownership of the country well, fresh registration has to be obtained.
- No otterige of technical about on, always, rate of webshows and pumping device in respect of the outsing well as indicated at \$1, (2) and (3) of this certificate should be made without grist parmission of the Competent Authority. Any direction in this regard shall lead to cancellation of this registration
- in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage. This registration is fleight for concellation
- The Confection of Authorizations NOC shall be ward for a period of two years from the date of sours. The applicant shall have to copy for eccessal through a treat spectration, at least range days provide. DODLY OF IN A HORIZON
- Donot under an polytometers and association of digital water focus recorders with Identities and the mondatory for units. Dopth and were tapped of polytometer about the commensurate with that of the purpose with the first obtained from digital water level exceeding shall be made available to the contexts importing bases
- Guidelises for Installmost of Piecometers and their Manifoling

Preyonates a alterated statewall used unity for massuring the water level by lowering the state' sounder or automatic serior level measuring equipment, it is also used to take water sample for water acolity bushing when cour prouded. Concess guidenics for installation of prezentations are an follows.

- The processor in this constitution of the minimum or 50 m distance from the pumping well through which ground water is being withdrawn. The dismeter of the planomerer should be about 4" to 8
- The dopts of the percenter should be same as is case of the purpose well from which grownd search is being distracted. If, more than one percenters are installed the second provinces. lences: monitor the singlew ground water region. It will facilists shallow as well as decap; ground water aquifor monitoring.
- No or pronometure to be constructed & Type of water level monitoring mechanism shall be as per below table.

8.No	Quantum of Crosnel water withdrawal (cursiday)	No.of proconston request	Monteng Vechanism	
		na a president regards	Alanual	DWR with Internetry
7	< 10	0	0	
7	11 - 50	1	.1	0
3	50-500	4	0	1
4	> 600	2		

- The recolouring frequency should be monthly and accuracy of measurement should be given in moter upon two decimal
- . For microscoping of wester level sources or nellowests wester level microscopic works for Digital Automatic works found incoming approximation of the Digital Automatic works found in the Digital Automatic works for the Digital
- The occasulevent of water level in perconder should be taken only after the pumping from the surrounding tubo wide rule been stopped for about facilities to our hours.
- . All the details equipment coordinates reduced level (with improve to wear level), depth, you have and assembly lowered should be provided for bringing the previously not the Hydrograph Denimoning System for Crowned Veter Department, Ultra Physiosis, and for its validation
- The ground water quality here to be recritized twice in a year sturing pro-moration (May/Juney and post-moration) (October/Newtonian) periods. Quality may be get analyzed from favils: approximately wo. Houdes, one sample (11th carrooty better to the condensed Director, Crownel Water Department, Utear Products, for chemical analysis.
- . A Printiplical angular branch should be installed of provenious of the wolfs site for providing the bookers, provenious rube well number, depth and zone teened of provenious factor well by standard references and exertigation.
- Now other with specific requirement requiring safety and aspect for measurement may be case good.
- Any other consistent to that may be imposed by the cancerned Authority.
- In case, any of the portraiters i information harrished by the applicant inhis application for issuance of this points is found to be incorrect during wants as on a ray successport stage, this permit is loads for consultation.
- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Disjurgion Comfigate for ground water extraction by industries shall be granted subject to the following specific conditions:
- () No Objector Contribate shall be granted only in such cases where local government under supply agencies are not able to supply the desired quantity of visite:
- in All instantings shall be required to adopt latest water efficient technologies on as to reduce dependence on ground water recourses.
- All industries abstracting ground water in expose of 100 m<sup>3</sup>/o shall be required to undertake arrests water assist through Confederation of Instant Industries (CBy Federation Instant Country of Commence and tremely () ECCly National Productivity Council (NPC) continue auditors and submit audit reports within three months of completion of the series to Cround Water Department Uniter Products All such educative shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means,
- (4) Construction of abservation well(s) (plearersoler)(s) within the promises and installation of appropriate water level monitoring machanism as mentioned in Consison on 3II stull be monitoring for mituance drawing processing to draw more than 10 m2 May of ground water and. Monitoring of water level shall be done by the project proportion. The processor (observation well) shall be constructed as a recommen distance of 50 m from the store well-production well. Booth and aquifer zone tapped in the procommen shall be the same as that of the puriping well wells. Monthly water level data shall be submittee online to the Greatel Water Department, US
- y) The proportion shull be required to police ground water harvesting' technique in the project premises, industries which are likely to police ground water exhanced programmes dead not required to south, tradition framery productions) essecutation, furtherest, staughter house, explasives atc.) shall store the harvested runs water in ourtain storage tasks for unit in endustry
- we improve of bravious' manustral source water with Equator system is strictly prohibited
- W. Milliattian rands pro Lively to calcular property water policition e.g., Deterring. Struggler Houses, Dyo, Charment Patrocharmont, Conference other inscretions of the inscretions of the part of the patrocharmont. smoothers, convergely well beard senkerters measures to estable proximitari of ground water politicon.
- (R) Infrastructural Union: The Ab Objection Certificate for ground water absolution will be granted subject to the following specific conditions.
- 6 In case of infrastructure projects that require dewetering, proported shall be required to carry out regular moneoung of dewetering discharge rate (using a rigidal water flow motor) and susing the data. referre to Ground Water Dispertment. UP as applicable. Montening records and results should an returned by the proportion for two years, for inspection or reporting as request by Dented Convex Monte.
- iii Installation of Sawage Transment Plants (STIF) shall be mandalary for new projects, where ground water requirement is more than 20 mil-stery. The water from STIP shall be utilized for tollor (Lashing, car wishing gurdrains ofc.

3tto: 07/04:2022

Philip Muzietter Nague

This cortificate is electronically generated and does not require digital signature



## UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@ uppeb.com Website: www.uppeb.com

Ref. No: 18450/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated:17/11/2022

To,

M/s BINDLAS DUPLUX LTD UNIT 1

10.6 KM STONE, VILL- JAT MUJHERA, BHOPA ROAD, MUZAFFARNAGAR, DISTT.-

MUZAFFARNAGAR (UP), MUZAFFAR NAGAR, 251308

Tehsíl :MuzaffarNagar

District : MUZAFFARNAGAR

Sub: - Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 18450 and 17/11/2022.
- Reference of application (No. and date) 17676956 and 13/10/2022.
- Mr PANKAJ AGGARWAL of M/s BINDLAS DUPLUX LTD UNIT 1 is hereby granted an
  authorization based on the enclosed signed inspection report for generation, collection,
  utilization, storage and disposal or any other use of hazardous or other wastes or both on the
  premises situated at 10.6 KM STONE, VILL- JAT MUJHERA, BHOPA ROAD, MUZA.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGHTSDF	0.225 MT/Annum
2	CATEGORY 33.1 AS PER SCHEDULE I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGH TSDF	1.2 MT/Annum
3	CATEGORY 33,2 AS PER SCHEDULE 1 (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.075 MT/Annum

- 1. The authorization shall be valid for a period of 16/11/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### A General Conditions of Authorization -

 The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under).

PRADEEP SHARMA SHARMA

Digitally signed by PRADITY SHARMA Date: 2022,12,16,17,58.10 - 05'30'

## 339

- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous
  and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year -
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

## B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'hle Supreme Court in W.P. (e) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall

not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.

6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.

7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Centrol Board at the earliest along with details of mitigative and remedial measures taken.

- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous PRADEEP SHARMA December 1250 12 16 17 18 00 100 107

and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

PRADEEP SHARMA Digitally signed by PRADEEP SHARMA Date: 2022.12.16 17:58:49 +05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action .

PRADEEP SHARMA Digitally signed by PRADEEP SHARMA Date: 2022, 12.16 17:59:00 +05:30 CEO/EE, I/C Circle

# INDUSTRY INSPECTION REPORT (PULP & PAPER)

A. General section

Date of inspection:11.01.2024

	The second secon	The or inspection Interest Contract
1.	Name of the unit with complete postal address:	M/s Bindlas Duplex Ltd. (Unit-2) 10.6 KM, Village-Jat Mujhera, Bhopa road, Muzaffarnagar, Uttar Pradesh-251308
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.46880, 77.80644
3.	Industry Operational status	Operational
4.	Consent status	Valid CCA No. 180991/UPPCB/Muzaffarnagar(UPPCBRO)/CTO/ both/MUZAFFARNAGAR/2023 dated 15.05.2023 upto 31.12.2027 (CCA placed at <i>Annexure-1</i> )

B. Production process and infrastructure

5.	Process	Manufacturing of Duplex Board using waste paper(mixed type -imported, indigenous)
6.	Raw material	
	<ul> <li>a. Consented value</li> </ul>	Waste Paper-300 MT/day
	<ul> <li>Actual consumption (as per logbook)</li> </ul>	Common data provided for raw material consumption for its unit-1 & Unit-2: Indian Waste Paper - 18155.800 MT Imported Waste Paper - 4662.83 MT (As per logbook provided by the unit of last three months Oct-Dec, 2023)
	<ul> <li>Estimated daily consumption</li> </ul>	Common data provided for raw material consumption for its unit-1 & Unit-2
7.	Production	
1	a. Consented value	Duplex Board-250MT/day
-	<ul> <li>Actual Production (as per logbook)</li> </ul>	Duplex Board-11730.45 MT (As per logbook provided by the unit of las three months Oct-Dec, 2023) Total -22438.76 MT
	c. Estimated daily	Duplex Board-148.49 MT/day (11730.45/79)

#### 8. Fresh water consumption

a. NOC from CGWA/other authorized body

Unit has total 04 Nos. of borewells.

Unit has obtained NOCs from Ground Water Department (Namami Gange & Rural Water Supply Department), Ministry of Jal Shakti, Government of Uttar Pradesh, for four borewells. (NOCs placed at Annexure-2) Validity of NOCs is as below:

Borewell No	Validity of NOC	Approved water abstraction (KLD)	Maximum annual withdrawal permission	Remarks	
1	19.01.2022	1080	378000	Used for unit-	
2	to	250	87500		
3	18.01.2027	1380	483000	Used for unit-2	
4		1380	483000		
Total abstraction	permitted	4090 KLD	1431500 KL/Annum		

<sup>\*</sup>As informed, borewell no. 2 is used only for steam generation in common boiler. Separate record for each borewell is maintained by the unit.

#### b. Details of borewell

Flowmeter with totalizer found installed on all 04 borewells. Readings observed as below:

Borewe	II	Instantaneous Reading m <sup>3</sup> /hr	Totalizer Reading m <sup>3</sup>
Borewell	No 1	0.0	403781.25

	Borewell No	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED	19641						
	Borewell No	THE RESERVE AND ADDRESS OF THE PARTY OF THE	10821						
	Borewell No	4 0.0	13060	8.34					
quantity		4090 KLD							
<li>d. Actual w quantity</li>	thdrawal	77896 KL (As per logbook provided by the unit of last three months Oct-Dec, 2023)							
	al quantity	973.7 KLD							
f. Specific is consump		6.64 KL/MT of pag	per						
Effluent Ma	nagement								
a. Consenter points (No		01							
b. Consenter value		700 KLD							
c. Actual eff generatio (as per lo	n	256245KL (As pe	r submitted	logbook of last three months Oct-Dec, 2023)					
d. Estimated generation	effluent	3243.61 KLD (25	6245 KL/79	days)					
e. Actual red		Partially treate equalization tank)		1942.09 KLD (153425 KL/79 days)					
\$665.E415.E51		Partially treate Primary Clarifier)	ed (After	315.70 KLD (24940 KL/79 days)					
		Treated efflue tertiary treatment	The second secon	455.18 KLD (35959 KL/79 days)					
		Total recycled		2712.97 KLD (As per submitted logbook of last three months Oct-Dec, 2023)					
<li>f. Actual effi discharge</li>		Total 36774.5KL							
<li>g. Average I discharge</li>	Paily effluent	465.5KLD							
<ul> <li>h. Specific e discharge</li> </ul>		3.17 KL/MT of pr	oduction						
i. Losses in			al 2~3% in f	orm of moisture in generated sludge					
Effluent tro	eatment plant	(ETP)							
a. ETP cons	ists of	reuse in	process) >	→Primary Clarifler→Hill Screen→Holding tank (fo Aeration tank→Secondary Clarifler→Bell Discharge to Jat mujhera drain					
b. Installed		3500 KLD							
c. Metering	at ETP	ETP inlet	V-notch pr	ovided at inlet					
		Recycling points							
		ETP outlet	V-notch pr	ovided at outlet					
d. Operation	nal status	Operational	W = 10						
		15.69 m <sup>3</sup> /hr							
		AM 1 (00 PM 50							
- OCCHE	+ ETD - No.	MLVSS/MLSS in a	eration tank:	1598/2982					
e. OCEMS a	OCEMS at ETP outlet OCEMS installed at final outlet of ETP. Parameters reading observed OCEMS as flow-39.93 m <sup>3</sup> /hr, pH-7.33, COD-87.57 mg/l, BOD-17.91 n and TSS-15.25 mg/l, during inspection.								

COLUMN OF CASE OF	stics					
Parameter	ETP	ETP outlet	Aeration tank	Norms as per consent	Comp	liance w.r.t. conser
pH	5.9	7.2		6.5-8.5	Comp	luina
Color (hazen)	05	05		<150 hazen		
BOD (mg/l)	3380	150	-		Comp	
COD (mg/l)	9232	434	-	<20 mg/l		complying
		103 E350	2	<150 mg/l	777.707.507	complying
T\$\$ (mg/l)	7296	53		<30 mg/l		complying
TDS (mg/l)	5460	3860		<1600 mg/l	Non-	complying
SAR (mg/l)		02		< 08 mg/l	Comp	lying
Sulphide (mg/l)	*	4.8	-	*	-	
AOX as Cl <sup>-</sup> (mg/l)	100	3.252		F-1	-	
MLSS (mg/l)	-	-	2982			
MLVSS (mg/l)	-		1598		-	
g. ETP Sludge Biological sludg generation	je	311	t maintained by th	e unit		
(as per logbook Estimated sludgeneration @ 3 inlet TSS load	ge	7.1 Ton/da	ау			
disposal Non-paper so	lid waste	2 for slud reused ag However,	ge generating fro	om secondary cla ring process and tained by the unit	effluent is ta	eTPs of Unit-1 & un ormed, this sludge sken in aeration tar
Non-paper so generated	olid waste	Constitution of the	record of plastic w			
(As per lochook		(Unit 1)	ans mentioned in	the inspection i	eport or M/s	Bindlas Duplex L
(As per logbook	amendian.	(out-1)	10.6 KM, Village	-Jat Mujnera, B	nopa road,	March 19 Per Print and Auto-San 1984
Daily waste ger			21308			nuzanamayar, ot
Daily waste ger Specific Non-p	aper solid	Pradesh-2				nuzanarnagar, ot
Daily waste ger Specific Non-p waste generation Potential sol generation @	aper solid on iid waste					nuzanamagar, ot
Daily waste ger Specific Non-p waste generation Potential sol	aper solid on lid waste 3.5 % of					nuzanamagar, ot
Daily waste ger Specific Non-p waste generation Potential sol generation @ paper Air Pollution r  1. Common bol 2. Boller of 22 1 production), no Refer details m	paper solid on id waste 3.5 % of manageme ler for both IPH-found n-operation	ent unit-1 & unit in idle conditional from June	e-2022, as informe	ed for Chemical R ed Bindlas Duplex L	ecovery Plant	for agre waste bas
Daily waste ger Specific Non-p waste generation Potential sol generation @ paper Air Pollution r  1. Common boi 2. Boller of 22 1 production), no Refer details m Mujhera, Bhop	paper solid on lid waste 3.5 % of manageme ler for both IPH-found in-operation entioned in a road, Mu	unit-1 & unit-1 in idle conditional from June ithe inspectival transportations and the inspectival formager.	ion (previously us 2-2022, as informe ion report of M/s	ed for Chemical R ed Bindlas Duplex L	ecovery Plant	for agre waste bas
Daily waste ger Specific Non-p waste generation Potential sol generation @ paper Air Pollution r  1. Common boi 2. Boller of 22 1 production), no Refer details m Mujhera, Bhop Hazardous wa	paper solid on id waste 3.5 % of management ler for both IPH-found in-operation entioned in a road, Mu	ent in idle conditional from June the inspect izaffarnagar	ion (previously us 2-2022, as informa ion report of M/s , Uttar Pradesh-2	ed for Chemical R ed Bindlas Duplex L 51308.	ecovery Plant	for agro waste bas 10.6 KM, Village-
Daily waste ger Specific Non-p waste generation Potential sol generation @ paper Air Pollution r  1. Common boi 2. Boller of 22 1 production), no Refer details m Mujhera, Bhop	paper solid on id waste 3.5 % of management ler for both IPH-found in-operation entioned in a road, Mu	ent  unit-1 & unit-1 in idle conditional from June the inspect izaffarnagar gement Authorizat MUZAFFAI Hazardous Rules, 20	ion (previously us e-2022, as informe ion report of M/s Uttar Pradesh-2 tion No. 18451/U RNAGAR/2022 ( and Other Wast 16 which is valid	ed for Chemical R ed Bindlas Duplex L 51308.  PPCB/MuzaffarNa lated 23.12.20 tes (Managemen	ecovery Plant  Ed. (Unit-1),  gar(UPPCBR)  22 under  t and Transk	for agre waste bas 10.6 KM, Village- O)/HWM/ the provisions
Daily waste ger Specific Non-p waste generation Potential sol generation @ paper Air Pollution r  1. Common boi 2. Boller of 22 1 production), no Refer details m Mujhera, Bhop Hazardous wa	paper solid on id waste 3.5 % of manageme ler for both IPH-found in-operation entioned in a road, Mu sete mana- tatus	ent  unit-1 & unit-1 de conditional from June the inspect izaffarnagar gement Authorizat MUZAFFAI Hazardous Rules, 20 placed at Unit has o	ion (previously us e-2022, as informa- ion report of M/s Uttar Pradesh-2 tion No. 18451/Ut RNAGAR/2022 of and Other Was 16 which is valid Annexure-3)	ed for Chemical Red Bindlas Duplex L 51308.  PPCB/MuzaffarNa lated 23.12.20 tes (Managemen I from 23.12.20) ship of M/s She	ecovery Plant  Ed. (Unit-1),  Igar(UPPCBR)  22 under  t and Transt  22 to 22,12.  etala Waste	for agre waste bas  10.6 KM, Village-  O)/HWM/ the provisions roundary Movemer  2027. (Authorizati
Daily waste ger Specific Non-p waste generation Potential sol generation @ paper Air Pollution r  1. Common boi 2. Boller of 22 1 production), no Refer details m Mujhera, Bhop Hazardous wa Authorization si  Copy of agree	paper solid on id waste 3.5 % of manageme ler for both IPH-found in-operation entioned in a road, Mu sete mana- tatus	ent in idle conditional from June the inspect izaffarnagar gement Authorizar MUZAFFAI Hazardous Rules, 20 placed at Unit has of (SWMP), 1	ion (previously us e-2022, as informe ion report of M/s Uttar Pradesh-2 tion No. 18451/Ut RNAGAR/2022 ( and Other Was 16 which is valid Annexure-3)	ed for Chemical Red Bindlas Duplex L 51308.  PPCB/MuzaffarNa lated 23.12.20 tes (Managemen I from 23.12.20) ship of M/s She n 27.10.2023 to	ecovery Plant  Ed. (Unit-1),  Igar(UPPCBR)  22 under  t and Transt  22 to 22.12.  etala Waste  26.10.2028.	for agre waste bas  10.6 KM, Village-,  O)/HWM/ the provisions boundary Movemer 2027. (Authorizati
Daily waste ger Specific Non-p waste generation Potential sol generation @ paper Air Pollution r  1. Common bol 2. Boller of 22 1 production), no Refer details m Mujhera, Bhop Hazardous wa Authorization si  Copy of agree recyclers /TSDF Hazardous	paper solid on lid waste 3.5 % of manageme ler for both IPH-found in-operation entioned in a road, Mu sete mana- tatus	ent in idle conditional from June the inspect izaffarnagar gement Authorizat MUZAFFAI Hazardous Rules, 20 placed at Unit has of (SWMP), 1	ion (previously us e-2022, as informa- ion report of M/s Uttar Pradesh-2 tion No. 18451/Ut RNAGAR/2022 of and Other Was 16 which is valid Annexure-3) obtained member which is valid from	ed for Chemical Red  Bindlas Duplex L  S1308.  PPCB/MuzaffarNa  dated 23.12.20  tes (Management from 23.12.20)  ship of M/s She n 27.10.2023 to est four Form-10:  Plastic Used	ecovery Plant  d. (Unit-1),  gar(UPPCBR) 22 under t and Transt 22 to 22.12.  etala Waste 26.10.2028.	for agro waste bar 10.6 KM, Village O)/HWM/ the provisions roundary Moveme 2027. (Authorizat Management Proj

TSDF							waste
13.06.23	25 Litre	25 kg	20 kg	50 kg	10 kg	10 kg	
25.08.23	15 litre	20 kg	20 kg	50 kg	15 kg	10 kg	•
29.10.23				50 kg		-	65 kg
07.01.24	5 kg	13 kg	10 kg	5 nos.	5 kg	1 no.	

Ground w										Of U	JIC-T	& Uni	t-z ne	arei	P)
Parameters	pH	Colour	Conduc- tivity	TDS	Total Hardness (as CaCO <sub>2</sub> )	Ca <sup>2+</sup>	Mg <sup>2+</sup>	Na*	K.	CI*	EI+	SO <sub>2</sub> 2-	NO2-N	NO3-N	p
Result*	7.8	BDL	473	262	216	58	17	12	05	18	0.21	21	0.03	BDL	800
Permissible limit as per BIS IS 10500	6,5- 8.5	15		2000	600	200	100			1000	1.5	400			

Parameters	Total Alkalinity	COD	As	Cd	Co	Cr	Cu	Fe	Mn	Ni	РЬ	Sb	Se	V	Zn
Result *	207	03	BDL	BDL	BDL	BDL	BDL	0.02	0.03	BDL	BDL	BDL	BOL	BDL	BDL
Permissible limit as per BIS IS 10500	600		0.01	0.003	•	*	0.05	0.3	0.1	0.02	0.01		0.01		05

<sup>\*</sup>All parameters are in mg/l except pH, Color (Hazen) and Conductivity (µS/cm).

### 15 Major observation & Key issues

- M/s Bindlas Duplex Ltd. has two units as unit-1 & unit-2 in the same premises at 10.6 KM, Village-Jat Mujhera, Bhopa road, Muzaffarnagar, Uttar Pradesh-251308.
- As per the analysis results of ETP outlet, the unit is found non-complying w.r.t consented discharge norms for parameters BOD (150 mg/l w.r.t < 20 mg/l), COD (434 mg/l w.r.t <150 mg/l), TSS (53 mg/l w.r.t <30 mg/l)& TDS (3860 mg/l w.r.t norms of <1600 mg/l).</li>
- No flowmeter is installed at recycling line from ETP to process, i.e., after equalization tank, after primary clarifier, after hill screen and after sand filter. However, unit is maintaining the data of effluent recycling from ETP to mfg. process w.r.t to pump operating hours and flow.
- 4. Unit has common belt press for sludge management generating from secondary clarifier of ETP-1 as well as ETP-2, which is utilized again in manufacturing process, as informed. Filtrate of the same is again taken in aeration tank.
- Unit has installed separate energy meter for ETP. During inspection the reading was observed 275657.472 kWh.
- 6. For disposal of plastic waste, unit has done agreement with M/s Tirupati Balaji Fibers Pvt. Ltd., 9<sup>th</sup> KM, Bhopa road, Muzaffarnagar, UP, which is valid upto 30.09.2024 and M/s Silvertoan Papers Ltd., 9<sup>th</sup> KM, Bhopa road, Muzaffarnagar, UP which is valid upto 14.12.2024, Unit has provided copy of agreements.
- Actual boiler ash generation (4.59 MT/day) is much less than the estimated value of boiler ash generation (38.15MT/day) for both the units (Unit-I & Unit-II), indicates logbook is not maintained properly.
- Actual non-paper solid waste (plastic waste) generation (5.9 MT/day) is much lower than the estimated value of 10 MT/day for both the units (Unit-I & Unit-II), indicates, logbook is not maintained properly.

#### Key Issue

- Non-compliance w.r.t consented discharge norms for parameters BOD (150 mg/l w.r.t < 20 mg/l), COD (434 mg/l w.r.t <150 mg/l), TSS (53 mg/l w.r.t <30 mg/l)& TDS (3860 mg/l w.r.t norms of <1600 mg/l).</li>
- 2. Logbook for generation and disposal of ETP sludge is not maintained by the unit.
- 3. Poor record keeping for plastic waste generation &disposal.
- 4. Improper logbook for boiler ash generation & disposal.

#### 16 Compliance Status

As per Discharge norms: Non-complying

#### 17 Recommendations:

- 1 Unit shall improve operation & maintenance of ETP to meet the consented discharge norms.
- 2 Unit shall install flow meter with totalizer at ETP inlet, ETP outlet& recycling lines and shall maintain record on daily basis.
- 3 Unit shall keep and maintain sales record/certificate of acceptance for plastic waste disposal.

4 Unit shall maintain logbook for generation & disposal of ETP sludge and boiler ash on daily basis.

Sr.No.	Name of Occicials officials	Designation	Organisation	Signature
1	Dr. Satya	Sc. 'E'	MoEF&CC	
2	Dr. R.K. Singh	Scientist D	CPCB, Delhi	Order
3	Sh. Imran Ali	AEE	UPPCB	Or
4	Mr. Ashish Choudhary	Hydrologist	UPGWD	Ø .
5	Ms. Shivangi Goswami	RA-II	CPCB, Delhi	Gelivang!
6	Mr. Ankit Shukla	SRF	CPCB, Delhi	Amor
7	Mr. Muktesh Choudhari	SRF	CPCB, Delhi	
8	Mr. Maneesh Yadav	SRF	UPPCB	Battyngon 6

## Photographs





ETP inlet channel



ETP outlet channel



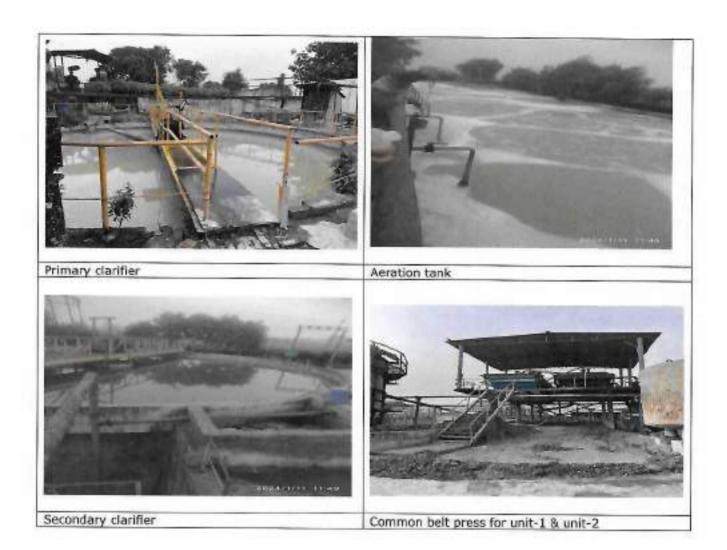
OCEMS reading at ETP final outlet





Equalization tank

Storage tank for recycle after equalization





#### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 6522-2720828 7720831, Fax:0522-2720764, Futual: infancuspectum, Website: www.uppels.com

180991/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 15/05/2023

To.

M/sBINDLAS DUPLUX LTD UNIT 2

10.6 KM STONE, BHOPA ROAD, MUZAFFARNAGAR, DISTT.- MUZAFFARNAGAR (UP), MUZAFFAR NAGAR, 251308

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution) Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act. Air Act respectively),

Application no. 20422960

Date :- 2023-04-10

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s BINDLAS DUPLUX LTD UNIT 2 located at 10.6 KM STONE, BHOPA ROAD, MUZAFFARNAGAR, DISTT.- MUZAFFARNAGAR (UP), MUZAFFAR NAGAR, 251308 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

Production Capacity:

S. No.	Declared by the unit	Value of the second	Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues; Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	WASTE PAPER- 300 MTD	DUPLEX BOARD - 250 MTD	DUPLEX BOARD - 250 MTD

GHAN SHYAM Digitally signed by CHAN SHYAM Date: 2023,06,08 12:23:32 -06:30

### 3. Production Process Infrastructure

S. No.	Details	Declared by the	unit	Permitted by the
		Numbers	Usage / Process operation	Board

Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.

GHAN SHYAM Digitally signed by GriAN SHYAM Date: 2073 06 08 12:23:47 + 05:30

- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

### 4. Water Conservation Measures

## A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical / Critical // Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2027-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- 6. Details of piczometer installed i.e., numbers with coordinates.

7. This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted	
S.No	Source of fresh water	Borewells/river	Borewells/river	

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed		
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced		
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint			
RCF and Market Pulp Based Paper Mills producing unbleuched grades of papers and paperboards	g <8 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper		

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

## B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

GHAN SHYAM Ballet Segreed by SEANN SHYAM BALLET SHEET SHEET

The second second	The second secon			
S.No	CCA is valid for	Declared by the unit	Permitted	9

# 2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to excee	
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced	
Agre-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	< 9 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)	

#### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to eater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
plf	6.5 8.5	6.5 8.5	6.5 8.5	No discharge is allowed
TSS, mg/l	<= 30	<30	<30	No discharge is allowed
BOD, mg/l	<-20	< 20	< 20	No discharge is allowed
COD, mg/	< 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<- 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<- 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<- 8		-	No discharge is allowed

100000000000000000000000000000000000000	The State of		100000000000000000000000000000000000000	TARREST CONTRACTOR
SAR	<= 10	< 8	< 8	No discharge is
				allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.

## 14. For Wood based/Agro based paper mill:

- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.

# C. Domestic effluent/Sewage treatment and discharge: -

 This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	3
2.	Treatment facility	SEPTING TANK
3.	Discharge point	SEPTIC TANK

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:
   GHAN SHYAM Digitally signed by CANAN SHYAM Date: 2023.98608 12:24:11 +03:30

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.

# 6. Cleaner Technology & Waste Minimization Practices:

## Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA;

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- Oxygen Delignification & Delignific
- d. Use of jet acrators for improved biodegradation in acration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units

## 7. Environmental management system

- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.

### 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No. Equipment Fuel Stack height Air Pollution Control Device standards (APCD)	S. No.	Equipment	Fuel		Control Device	Stack Emission standards
--	--------	-----------	------	--	----------------	--------------------------

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- iv. The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.

  GHAN SHYAM Digitally signed by GHAN SHYAM Dete: 2023.06.08 12:24:20 +05:307

- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.

## 9. Noise Pollution Mitigation:

Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
as is required for meeting the ambient noise standards for night and day time as prescribed for
respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industr	ial Area	Commer	rcial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this.
   Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- 5. In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accordited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.

GHAN SHYAM Digitally signed by GHAN SHYAM Digitally signed by GHAN SHYAM

- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

### Specific Conditions:-

- This CTO is valid only for the production capacity of DUPLEX BOARD 250 MTD BY USING WASTE PAPER- 300 MTD at site 10.6 KM Stone, Bhopa Road, Village-Jatt Mujhera, Muzaffarnagar.
- The Earlier Board has issued a CTO vide Ref No.- 68448/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/water/MUZAFFARNAGAR/2019, Dated: 28/12/2019 and Ref No. 68459/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2019, Dated: 28/12/2019 is revoked.
- The industry shall submit a proof of Bank Guarantee submitted in the Board, if not then submit the Bank Guarantee as per CTE issued to unit on 23.05.2022 within a month.
- The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- The unit will be use steam only from its sister unit M/s BINDLAS DUPLUX LTD UNIT 1, Bhopa Road, Muzaffarnagar.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards
  Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved

laboratory under E.P. Act 1986 to the Board.

- 7. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 8. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 9. The unit will not use agro based raw materials in the production process.
- 10. The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 11. The Unit shall install Piczometer for measurement of ground water level and the data generated from Piczometer will be provided to the SPCB on monthly basis.
- Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 13. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the liffluent Treatment Plant shall be used completely in the manufacturing process.
- 14. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 15 If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 16. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 17. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 18. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09,2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM a tpoint no. 65.
- Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by ilon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 20. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 21. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 23. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 24. The industry should easure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.

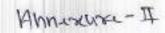
GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023,0508 12:70:18 - 03/10

- 25. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 26. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 27. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 28. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 29. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 30. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 31. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P Rules 1986.
- 32. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 33. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 34. Industry shall dispose the hazardous waste through authorized recyclers/TSDF.
- 35. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 36. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 37. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 38. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016. Solid Waste Management Rules, 2016. Hazardous and Other Wastes (Management and Transboundary) Rules, 2016. E-waste (Management) Rules, 2016. Construction and Demolition Waste Management Rules, 2016. Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 39. The unit shall submit the audited balance sheet for the current year.
- 40. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 41. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppeb.com/pdf/Green-Belt-Guidle\_160218.pdf.

GHAN SHYAM Date: 2828:06:08 12:24:57 +05' 30'

Chief Environmental Officer (Circle 3)

Copy to:



## Form 8 (C)

(See Rule 8(1))

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC024478 VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202112000302			
Name of the Owner	PANKAJ ACCARANE		
Designation Na	MANAGING DIRECTOR	Company Nurse अपनी का नाम	BINDLAS OUPLUX
Company Address कंपनी का पता	TO BOW, 1910/FARDAD, NUZA FARDAGAR	Authorization Letter प्राधिकार एक	Dewritant
Address of the Applicant	TO B KW, BHOWN ROAD, VILLAGE- JAC MUJEH DA, MUZATTARBADAR, DIST L- MUZATTARBADAR UTTAR TRADE SIL	Application Form Seral No.	MAP AND 21MINODES
Date of Submission	15(1)/2/12/1	Specimen Signature	
Location Particulars			
District	Wicolitie Nager	Block	MUZAFTARAGAR
Pice No, Rhasra No.	10,660	Municipality/Corporation	No
Ward No./Holding No.			NX
Particular of the Proposed Well	and Pumping Device		
Dute of Construction/Sinking of the Wall	02/07/2021		
Type of Well	Tube Well-Goring	Dopth of the Well (in rector)	100 OG
Purpose of well	ndustrial	Assembly Size(For Tube Wall)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submership	H.P. of the Pump	75.00
Operational Device	Flechic Nutor	Rate of Withdrawal on Mrc.)	230.00
Date of Encrywation (in Case of Ejec)	ric Pump)	05/07/2021	
Maximum Allowable Rate of Withdrawal (m <sup>2</sup> fric):	3200.00	Maximum Allowable Hunding Hours Per Day:	6.00
Maximum Allowable Arnual Estractio	n of Ground Water:	H-11 C # 11 87 80 01 1-00 40 60 60 70 70 10	483000.00

- In case of any change of awarency of the proposed well, fresh puttervision has to be obtained.
- No change of location, design, and of withdrawed and purpose in respect of the proposed will as indicated at St. (2) and (3) of this confidence shall be impain without prior points state or the Compation). Any developm in this respect shall lead to cancalistian of this authorization.
- In the purpose of impressing and recording the quantity of ground water extracted, every and user shall after eight water few motives (contaming to HIS/15 standards) having telepromy system in the assistance of motives, which recorded by the nation has been estimated by the nation has been estimated by the nation has been estimated by the nation of ground water few times and user until the contamy in province. The nation estimation of ground water few times water in them.
- . The concerned Authority reservors the right to deep extraction of ground water from the well due to quality hazards or any other reasons. If the situation so demands
- In case of any change of awardship of the auxiliate wall, fresh registration has to be obtained.
- No change of focusion, design, late of withdrawal and purposes drawn in respect of the custing well as indicated at St. (2) and (3) of this custicate small be made without prior permission of the Competent Authority Any deviation in this regard shall lead to conceivation of this registration.
- In case, any of the prefectors I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during varifaction at any subsequent stage, this registration is fairly for concellectors.
- The Confection of Authorization POC shut the walk for a panel of two years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at busing printing exprise of its winding.
- Construction of percentages and installation of digital water level recorders with talematry shall be mandatory for user. Depth and zone tapped of prezoneter should be commerciate with that of the purposing woll. The data, obtained from digital water level recorders shall be made available to the office or monthly basis.
- · Guidelines for Installation of Pinzamorers and their Monitoring

Promitting is a borowell discount used only for measuring the water south by lawaring the toper assuring or automatic water lover measuring equipment. It is also used to take water sample for water quality listing when one needed. General guidelines for installation of preconstants are as follows:

- The processors in to be installed/constructed at the minimum of 50 m distance from the sumpley woll through which ground water is being withdrawn. The diameter of the processors should be about 4" to 0".
- The depth of the periodicter should be same as a case of the pumping well from which ground water is being abstracted. If, more thus one periodicter and metallice the succent perconduct water regime.
   If will depth of the periodic should be same as a case of the pumping well from which ground water regime.
- No. of processions to be constructed & Type of water-level moreoring mechanism small be as per below tuble.

SNo	Distriction of Cleaned with with brown) (cumpling)	No of provorretory required	Monting Modunian		
			Manual	DWR win Islandly	
2.5	× 10	α	0	a	
2	. 11-50			0	
3	50-500		0	1	
14	× 500	2	0	2	

- This maximing frequency should be more by and accuracy of massiminant should be up to on, the reported measurement should be given in motor upto two customal
- For recusarement of water sweet sound or automotic water level recorder (AWLR) Digital Automatic water level sound for including a substance (DWLR) with solutionary system should be used for including
- The measurement of states level in provide should be taken, only offer the pumping from the aurocateing tube wells have been adopted for about four to be from.
- All the details regarding coordinates, reduced level (with respect to mean level), stort, zone taped and assembly lowered should be provided for beinging the prevention and thy dispression.
   Monitoring System for Ground Vittler Department, Uttar Praduct, and for its validation.
- This provide water quality has to be increated twice in a year change pre-consistent (May Using) and post-increading (Ostober-Newmorr) periods. Quality may be got analyzed from MA(5) approved bits. Resident and Sarridge (11) capacity basile) to the concerned Director, Ground Visitor Department, Utter Products, for chemical analyses.
- A Pleasurement display beard should be installed at presenger/Tube wells site for providing the location, prezencied table well number, depth and zone tapped of prezenctor/tube well for standard referencing and identification.
- Any other site specific requirement regarding autory and access for measurement may be taken care at
- Any other condition(s) that may be imposed by life-concerned Authority.
- In case, any of the pretections i referentiation furnished by the application for essaurce of this permit is found to be recorded from verification at any subsequent stage; this permit is furnished on.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Contribute for ground water extraction by industries shall be granted subject to the following specific conditions
- 0 No Objection Constitute shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- in All industries until the required to adopt listest water official to chinologies so as to reduce expressions or ground water manages
- II) All industries shall be required to access of 100 m<sup>2</sup>8 shall be required to andersake around water world through Confederation of Industries (CI)/ Federation Indus Chamber of Committee and Industry (FICCI) Postured Productivity Council (NPC) centified auditors and salami audit reports within three months of completion of the name to Crownel Water Department Utilia I hadron.
   All such industries shall be required to nation their ground water use by all loss 20% over the next live years through appropriate mounts.
- N) Construction of observation well(s) (powersetor)(s) within the provises and installation of appropriate scalar available mechanism as mentioned in Constructed in Construction no. 10 mill day of ground water and. Mentioning of santer level shall be done by the project proposed. The prevention feath of the percentage (abservation well) shall be constructed at a minimum distance of 50 million has been small production well. Depth and aquifer zone tapped in the piezonistic shall be the same as that of the pumping well wells. Morthly water level data shall be submitted online to the Crossid Water Capacitage. UP.
- If the properties shall be required to adopt not top rain water borvesting! recharge in the properties, industries which are likely to pollute ground water (charges), pharmaculated dyna, proprieties, burnery, posted door, for likely a pollute ground water in particle ground water in particle ground water in particle ground water pharmaculation.
- vi) injection of treatest unknowled whele water into aquifer system is shietly prohibited.
- viii Industries wheth are fixely to course ground water pallution in g. Staughter Houses, Dyn, Chemical Petrochemical, Coul washeries, other towardous units op. (as per CPCIII as) need to undertake reconstact und haud-protection measures to enture procention of ground water politicien.
- (IS) Intrastructural User: The Ric Objection Certificate for ground water abstraction will be granted subject to the following specific conditions.
- 0 in case of infrastructure projects that require downtering, proponent shall be required to carry out regular mentioning of develoring absolute purposes that require downtering proponent for two years, for inspection or regarded by Clistics Dround Witter Management Council.
   Management Council.
- It installs but of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m² Atay. The water from STP shall be utilized for tales flushing, partnering of

Date: 07/04/2022

Placo Mozaffar Nagar

This certificate is electronically generated and does not require digital signature



Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Utter Pradesh Ground Water Management and Regulation Act. 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC049747

VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Ultar Pradesh Ground Water Management and Regulation Act, 2019)

Name of the Owner	PANKAL AGGARWAL		
Ousignation U.S.	MANAGING SHE'CTOR	Company Name कंपनी का नाम	BRIDLAS DUPLUX
Gonpany Address कंपनी का पता	TUJSKIM, BHICHA ROAG, MUZAPEARNAGAR	Authorization Letter श्राधिकार पत्र	Download
Address of the Applicant	TBURKM, BEIDINARGAD, YILLAGE-TAT MILIHEDA, MUZAFFARNAGAR, BISTE-NUZAFFARNAGAR DITTAR PRAJESH	Application Form Serial No.	M/F N1221NIN008
Date of Sulaniasion	30/11/2021	Specimen Signature	
Location Particulars			
Ontret	Murattar Nagur	Bleck	MUZATI ARNAGAL
Pot No/Khasra No.	10.06%	Nunicipality/Corporation	No
Ward No.:Holding No.			NIA
Particular of the Existing Well ar	nd Pumping Device		
Date of Construction/Sinking of the Wed	Industries Best Display		
Type of Well	Tube Welktking	Depth of the Well (in mater)	115.00
Purpose of well	Industrial.	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submorable	H.P. of the Pump	fi.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>2</sup> fe.)	25.00
Date of Energization (in Case of Electr	sc Pump)	3003/2016	
Masimum Allowable Rate of Withdrawal (m <sup>3</sup> flat.):	25.09	Maximum Allowable Munning Hours-Per Day:	10.00
Masimum Allowable Annual Estraction	of Smurs Witne		87500.00

#### GENERAL CONDITIONS:

- If Gibb is any charge of ownership of the proposed well, high authorization has to be obtained.
- No change of location, design, rate of withdraws and pumping directs in respect of the proposed well as instrumed at St. (2) and (3) of this contribute shall be made without prior primitions of the Component Authority. We deviation in the regard shall lead to conceive on the authorization.
- I'dr the purpose of measuring and recording the quartity of ground water extracted, every said user shall allow digital water flow nectors (conforming to ERS/ IS standards) having telemotry system in the abstraction structure, which record rate and quartity recorded by the mater has been extracted by the said user, unal the contrary is proved. The rate of extraction of ground water from the well as shown in item S(k) obtained to the recorded rate from water include.
- The concerned Authority reserves the right to also extraction of ground water from the well due to quality hazards or any other researcs. If the situation so demands.
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of webstrawes and pumping device is respect of the disisting well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Comprehent Authority. Any deviation in this regard shall lead to concellation of the registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be reconnect during ventration at any subsequent stage, and registration is faitful for concellation.
- The Curtificant of Authorization NGC shall be waid for a period of two years from the date of sour. The applicant shall have to apply for renewal through a fresh application, at least minely days prior to express this valuery.
- Communities of polycometers and ensulation of digital writer level operators with before the shall be made available for the purpose of the purpose of the purpose of the purpose of the contract of the purpose of the contract of the contra
- Guidelines for Installation of Procomplets and their Managing

Provements is a percent dubewell used only for moneuring the water level by lowering the topic as under or automatic water level into assuring comprised. It is also used to take water comple for water quality testing when over recoded. General guidelines for isobalishous of provenings are as follows.

- This preparater is to be installed/constructed at the eliminum of 50 m distance from the pumping well through which ground water is being withshear. The diameter of the prevenence should be where 4" to 6".
- The depth of the prevention should be same as is case of the pumping wall from which ground water is being obstracted. If, more than one preventions are mutidled the second prevention which mention the shollow ground water regime. It will facilitate shollow as well as deeper ground water aquitor mentioning.
- No. or promoters to be constructed & Type of waterstand menturing machinism shall be as per below table.

S No	Quantum of Stound water withdrawal (cumbday)	No of prezenters required		Monthing Woohanisen	
110000	growth (or around with mination (arriving)	How presented in required	Manual	DWR with falencity	
1.	< 1β	D.	D	0	
7	11 - 50	f = 1	. 5	0	
3	50-500		a		
4	> 500	2	0	2	

- The measuring frequency should be morthly and accuracy of measurement should be up to on, the reported measurement should be given in motor upto two decimal
- For incubrationing of water food sounder or outsimplic water level recorder (ANT R) Lagrant Automatic visitor level recorder (CANT R) with retempting system should be used for recorder.
- in the reconstruent of water lived or provinces about the biter, only offer the pumping from the aumounding halo works here been stopping for about to as hauns
- All the details regarding coordinates, included level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the prevanetiven to the Hydrograph Mentoring System for Ground Water Deplacement. Little Products, and to its validation.
- The (round water quality has to be manifered were in a year during pre-monsour (May/Juno) and post-monsour (October/Neworsbor) periods. Disality may be got as allyzed from NAET approved to Department, Uttar Products, for characteristic analysis.
   A Resource of Advanced about the concernment for concernment (America, Greated (Mater Department, Uttar Products, for characteristic analysis).
- A (\*\*Community display beard should be installed at precomment/fultra wells after for providing the location, precomment/fultra well number, dupth and zone based of precommentation well number, dupth and zone based of precommentation well number, dupth and zone based of precommentation.
- Any other rate specific requirement regarding safety and accuse for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority
- In case, any of the puriculars I information furnished by the applicable into applicable for issuance of this permit is found to be incorrect during varieties or it very submisquart stage, this permit is back for sometimes.
- SPECIFIC CONDITIONS:
- JA) For Industrial User: No Objection Confection for ground water extraction by industries shall be granted subject to the following specific conditions.
- it No Objection Contricate shall be granted only in such cause whose local government water supply agencies are not able to supply the desired quantity of water.
- (i) All inscription shalf be required to adopt listest water officient technologies so as to reduce dependence on ground water resources,
- III All influstress statedarding ground unifor in excess of 100 m<sup>2</sup>M, shall be required to undertake smalled house out through Confederation indian indian Chamber of Exemples and Intuitive (\*ICC()\* National Productivity Council (NPC) consted auditors and submit audit reports within three marks of completion of the same to Ground Water Department Uttor Products. All such including shall be required to reduce their ground make use by all transi 20% over the next two years through appropriate means.
- in) Construction of observation wolk(i) (placement (s)) within the premises and including of operations water level monitoring mechanism as mercurined in General Condition in a 10 infection to insult be reservated by a distribution of proposing to draw more than 10 infection wolf shall be constructed at a minimum decrease of 50 in from the bare well-production well. Depth and aquifer zone topped in the piezometer shall be the some as that of the pumping well wells. Morthly inside level draw shall be submitted astern to the Council Matter Department, UP.
- If the programs shallon required to adopt roof top rise water harvesteep in the project promises. Industries which are skelp to policy ground water pharmacouncil, dyes programs plants, carefully, harven, postipidate executorics, forthcorp, staughter bases, explosives etc.) shall store the harvested rain water is surface storage basis for use in the industry.
- iii) Election of translated untreated waste water into aquifor system is identify prohibited.
- will trabulation which are likely to cause ground water pollution sig. Tenning, Struggler Houses Dyc, Community Potrochumical, Conf. weather the revariancement of the Tenning Potrochumical and protection of ground water pollution.
- (3) Intrastructural User: The No Disjection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- If it cannot infrastructure projects that require developing, proponent shall be required to carry out regular more lowestering discharge rate (using a digital water flow motor) and setting the distinction of the proponent for two years, for impaction or reporting as required by District Ground Water Management Council.
- He heldelinker of Sewage Treatment Plants (STP) shall be manisatory for new projects, where ground water requirement is more than 20 m² kby. The water from STP shall be utilized for today furning, car learning, gardening etc.

Date 26/03/2022

Place Muzatlar Nagar

This certificate is electronically generated and does not require digital signature



#### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO. NOC010033

VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202111000568			
Name of the Owner	PANKAJ ACCIARANI.		
Designation RE	MANAGING DIRECTOR	Company Name कंपनी का नाम	BINDLAS DUPLUK LID. UM LI & 2
Company Address कप्ती का पत	10:BKM, BHDPA RDAO, MUZAFI ARNAGAR	Authorization Letter प्रशिकार पत्र	Downtood
Address of the Applicant	10.6 KM, UEKRPA HOVUS, MELACIC-JAF MUZHEDA, MUZWEFARMADAR, DISTT-MUZAFEARNACZAR ULTAR. 1974CK SE	Application Form Serol No.	M/F N122110N0009
Date of Submission	30/11/2021	Specimen Signature	
Location Particulars			
District	MuzatarNaçar	Rinck	MERALI MINNOVE
Ptot No./Khasmi No.	10.0KM	Nunicipality/Corporation	No
Ward No./Holding No.			NIA
Particular of the Existing Well a	nd Pumping Device		
Date of Construction/Stoking of the Well	15/01/1956		
Type of Well	Tube WelrBoring	Depth of the Well (in mater)	110.00
Purpose of wett	Industrial:	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submirrishlo	R.P. of the Pump	62.00
Operational Dovres	Lleaking Motor	Flate of Withdrawal (m <sup>2</sup> /hr.)	180.00
Date of Energization (In Case of Elect	ria Pemp)	30/03/2012	

Maximum Allewable

Running Hours Per Day:

6.00

37800000

Macrimum: Altowable Plate of

Maximum Allowable Annual Extraction of Ground Water:

Withdrawal (m<sup>3</sup>/hr.):

180.00

#### GENERAL CONDITIONS

- In case of any change of ownership of the proposed well, tresh authorization has to be detained.
- No change of breaten design, one of windrawal and pumping design in respect of the proposed well as indicated at St. (2) and (3) of this contraction shall be made without prop pumping of the Computerni Authority. Any deviation in this research shall lead to conceilation of this authorization.
- I or the purpose of measuring and recording the quartety of ground water extracted, every said user shall affect digital water flow meters (conforming to IUS) is shall always beyond you assume that the assumed manufacture, which record note and quarter and conforming the conforming devices and it shall be program that the quartity recorded by the necks has been extracted by the said user, until the contrary in proceed. This calls of extraction of ground water from the well as shown in them 2(b) shall not exceed to the recorded rate from water exceed.
- The concurred Authority resonant the right to slop extraction of ground water from the well due to quality hazards or any other reasons. If the situation so demands
- In case of any change of awnership of the existing well, frush recontration has to be obtained.
- No change officcation, design, rate of withdraway and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Comparison.
   Authority: Any deceation in this region shall lead to concellation of this region at the
- In case, any of the praticulars I information furnished by the applicant in his application for insurance of this registration is found to be incorrect during varietation at any subsequent steps—this registration is finished for concededics.
- The Constrain of Authorization NCIC shall be valid for a period of tive years from the date of issue. The applicant shall have to apply for renewal through a most application, at least minds days prior to exprise this validity.
- Construction of perconneces and installation of digital water lead reconnects with but of the
  percentage wat. The casts, obtained from digital water level recogness shall be made available to this office on municity basis.
- Quidelines for Installation of Piezometers and their Monitoring

Provinces is a bottomil dubring used only for measuring the water level by lawaring the tapar assurance or automatic water level measuring equipment. It is also used to take water assurance quality testing when over resided. General guidelines for installation of pleasurances are as follows:

- The prevention is to be installed/constructed at the renimum of 50 m distance from the persons well through which ground water is being withdrawn. The diameter of the prevention should be about 4" to 6".
- The slopth of the processors should an earter us a case of the pumping wall from which ground water is being abstracted. If, more than one precentation are residual the except payrameter are should mental the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. if prominers to be constructed & Type of water level measuring machinesis analities as per below table.

SNo	Quantum of Ground water withdrawal (cumiday)	No of picyometric requests	- 1	Renting Microsom
2.77	and the second s	nava presidenta regimena	Stanuni	DWR with filternotry
1	≪ 10	0	0	U.
7	11 - 50	:1	31	0
3	50-500	1	0	1
4	× 500	2	0	2

- Intermoseuring frequency should be monthly and accuracy of moseurement should be up to on. the reported measurement should be given in motor upto beg decimel.
- For measurement of water level abundur or nuterratic water level recorder (AVLR)/ Digital Automatic water level recorder (DAVLR) with toloretry system should be used for accuracy.
- The recoverant of eater knot in prevention should be taken, only after the pumping from the surrounding tube wells have been stopped for about four to six hours.
- All the details regarding coordinator, reclased level (with respect to mean level), depth, zone taped and assumely levered should be provided for bringing the provincer into the Hydrographian Monitoring System for Ground Viscor Cooperationn. Utter Product, and for its validation.
- The provid water quality has to be monitored twice in a year during pre-monsoon (May/June) and past-monsoon (October/Newember) periods. Quality may be get analyzed from NABL approved lab. Resides, and sample (1.8 expectly hottle) to the concerned Director. Ground Water Department, Utar Practical, for chemical analysis.
- A Permanent display beard should be installed at precompted tube wells site for providing the location, precompted tube well number, depth and zone topped of precompter/sure well for standard referencing and interdiffication.
- Any other attrispositic requirement regarding surley and access for musuumumin may be taken gare of.
- · Any other condition(s) that may be imposed by the concerned Authority
- In case, any of the particulars I information furnished by the application in his application for resistance of this permit is found to be incorrect during vertication at any subsequent stage, this permit is liable for conceptation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User. No Objection Continues for ground water extrantion by industries shall be granted subject to the following specific conditions:
- 6 No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt linest water efficient technologies as an to reduce dependence or ground water resources.
- In All industries postnotting ground water in excess of 100 m<sup>2</sup>d shall be required to undertake arread water water through Contraductation of including including in its properties of completion of the same to Ground Water Department Utter Products.
   All outsides after through Contraduction of the same to Ground Water Department Utter Products.
   All outsides after through the requirement or reduce their ground water use by at least 20% over the next two years through appropriate means.
- iv) Construction of observation well(i) (prezentation) (prezentation of appropriate water level monitoring mechanism as monitored in Contral Condition no.1() shall be membersy for industrials drawing/processing to draw more than 10 m² /day of ground water and. Monitoring of water level shall be done by the project proportion. The presentation well shall be constructed at a stairnum destinct of 50 m from the bore well-production well. Depth and equifor zone tapped in the plezometer shall be the same as that of the pumping well-wells. Monthly water texel data shall be submitted unline to the Ground Mater Department, Lim.
- ii) The proporal shallbe required to adopt roof top rain water harvesting! rechange in the propert promises. Including which are skely to pollute ground maker (charmes), pharmacounted: dynn, propriets. Stalkes, literature, perspector insection day, fortistions, stalighter house, deploaves etc.) shall store the horsested rain water in surface storage baries for use in the industry.
- w) Injection of treated/untranted warte water into aquifer system is strictly prohibited.
- an) Industries which are lively to conce ground water pollution e.g. Territing. Stoughter Houses, Dys., Chemician Politechamical, Goal washenes, other hazareque units etc. (as per CPCH (set) reced to endertake necessary with head protection measures to ensure prevention of ground water pollution.
- (6) Intrastructural User: The No Objection Contribute for ground water obstraction will be granted subject to the following appoint conditions:
- In case of infractionable projects that require developing, proposed and low require the require developing of developing of developing observing country over the proposed for the proposed for the projection or reporting as required by Cented Country Water Management Council.
- in Installation of Sewage Frauence Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>2</sup> iday. This water from STP shall be utilized for toler flashing, convenience of:

Tate \$7/04/2022

Place Muzattar Name



Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Ultar Pradesh Ground Water Management and Regulation Act. 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC322719

VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202111000576

Name of the Gunor

TANKAJ AGGARAMI

Designation

कपनी का प्रज

गट

MANAGING DIRECTOR

Gompany Address

Address of the Applicant

Location Particulars

Date of Submission

10.69M, ISTORY-ROAD, MUZAFFARNAGAR

TO B KIN, BHOFW ROAD, MILLAGE- JAT MUSHEDA, MUZAFFARNADAR, DISTTS MUZAFFARNAGAR DITTAIR PRADE 5911

30/11/2/021

Muzaffor Nager

15/03/1969

viduatos

(Notein)

PIOC NOUKBBBBB NO. 10.6694

Ward No./Holding No.

Particular of the Existing Wall and Pumping Device

Date of Construction/Sinking of the

WHE

Type of Well Tube Well/Horing

Purpose of well

Strainer Position (For Tube Well)

Type of Pump Used

Geographonal Device

Sobrunsblo TRICKING Minler

Date of Energization (In Case of Electric Pump)

Maximum Alloweble Rate of

Withdrawal (m3hr.):

Maximum Allowable Annual Estraction of Ground Water;

Company Name कंपनी का गाम

LTB. UMIT 6.2

IBNOCAS OUPLUX

MZEN1221MN0087

Authorization Letter प्राधिकात पत

Describerd

Application Form Serial

Sperimen Signature

Block MILLYANT FARMACIARS

Municipality/Corporation Ain

NO.

Depth of the Well (in

meterl

116.00

Assembly Sue(For Tube

Well)

N.P. of the Pump

75.00

Rate of Withdraws tariford.

256.00

09/12/2017

Maximum Allowable Humming Hours Per Day:

6.00

483000.00

- In case of any change of ownership of the proposed well. Fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping dovers in respect of the proposed well as indicated at St. (2) and (3) of this contribute shall be made without prior permanent of the Competent Authority. Any deviation in this regard shall lead to concellation of this authorization.
- I or the purpose of measuring and receiving the quantity of ground water extracted, every said user what after eight water flow motions (conforming to IRS/ IS standards) having telementy system in the attribution of extraction, which received note and quantities of extraction, at outlet of pumping devices and it shall be presumed that the quantity received by the specie has been extracted by the said user until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(i) after item (overeit to the received rate from mater maters).
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other measure, if the element to demand an incident of the concerned.
- In case of any change of ownership of the coasting well, fresh registration has to be obtained,
- No change of location, design, late of witheraws and purpose to respect of the existing well as indicated at St. (2) and (3) of this contribute shall be made without pror purposes of the Composition.
   Authority Any devision in this regard shall lead to cancellation of this registration.
- In case, any of the puriculars i information himselved by the applicant in his application for issuance of this registration is found to be incorrect during vertication at any subsequent support to light for cancellation.
- The Contribute of Author/vision NOC shall be visid for a ported of two years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to except of the weletits.
- Construction of processors and mutablator of digital water level recorders with leteracity shall be manufactory for user. Depth and zone tapped of povintuals shauld be commensurate with their of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- . Guetelmes for Installation of Plazamatura and train Munitoring

Prevention in a because the design of the second process of the se

- The presentative is to be installed constructed at the minimum of 50 m distance from the persping well through which ground water is being withdrawn. The diameter of the preventator should be interest? In 67.
- The depth of the preventeer should be same as a case of the pumping will form which ground water in being abstracted. If, more than one pleasureties are installed the accord preventive should manufacture shallow ground water regime. It will facilitate shallow as well as desper ground water aguster mentioning.
- No or preventations to be communicated & Type of water-level maintaining mechanism shall be as per below table.

K No.	Quartum of Ground water withdrawal (cumiday)	No of prevention required	Monaing Nedurism		
	Granter or Growth Mach Well-Card (Card-Car)	rease precurenties reagrees	Wanuai	DMR with Internetry	
7	< 10	D	10	ū	
2	11 - 50	1	.3		
3	50-500	t	0	1	
4	> 500	2	0	2	

- The recessing frequency should be morthly and accuracy of measurement should be up to on, the reported measurement should be given at moter upto two decimal.
- For mossionary of water level sounder of automate; water level recorder (AAA II) Digital Automatic water level recorder (CAA II) with telementy system should be used for incoming.
- The measurement of enter level in preventiler should be taken, any after the pumping from the surrounding tube wide has been alreaded for about tour to see hours.
- All the details regarding coordinates, noticed level (with respect to mean level), depth, zone taped and assembly toward should be provided for bringing the preventor was the hydrograph Montening System for Ground Wiles Department, Utter Products, and for its validation.
- This ground water quality too to be incorpred twice in a year during pro-microbial [May, Lunier] and post-microbial (OdinbertVovember) periods. Quality may be get analyzed from Well approved 800. Hoteldos, are sample (1 th capacity builde) to the concerned (Immose, Cround Vision Copartment, Utter Fradesh, for pro-mod analyzed.
- If Pormarent display beard should be unfalled at processes in the worte store providing the location, provincial take wolf number, depth and your appeal of provincian well for shauted intercenting and identification.
- Any other into specific jugarement regarding ealery and pages for measurement may be taken our or.
- Any other constraints that may be imposed by the concerned Authority
- In case, any of the personlers i information furnished by the applicant in his application for issuance of this permit is found to be incorrect during varietation at any subsequent stage; this permit is liable for conceptation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Contribute for ground water defeation by industries shall be granted subject to the following specific conditions:
- 0 No Depiction Contribute shall be granted only in such cases where local government water supply agendess are not able to supply the desired quantity of water.
- i) All instructions shall be returned to allogs listed wider efficient inchrologies as as to reduce department on ground water resources.
- ii) All individues obstracting ground water in except at 100 m<sup>2</sup>/3 shall be required to undertake introd water audit through Confederation individual (CEV) Federation Indian Chamber of Committee and Indianty (FICCI) National Productivity Council (NPC) carbinet auditors and submit audit reports within three months of completion of the same to Casund Valuer Department Utter Production All auch indianties shall be required to indiant their ground water use by at least 20% over the next two years through appropriate means.
- N) Construction of observation well(s) (percentery(s) within the previous and installation of appropriate water level mentioning mechanism as musticated in Quiscral Condition no. 10 m<sup>2</sup> (day of ground water and. Mentioning of water level shall be done by the project, proportion. The percentage (observation well shall be constructed if a minimum distance of 30 m from the bore well-production well. Depth and aquifer zone tapped in the piecewise shall be the same as that of the pumping well wells. Menting water level data shall be understood online to the Ground Water Department, UP.
- V) The propercy shall be required to adopt not top rain water howesting? inchange in the project promises, including which are likely to pollute ground water (changes), physicians, parts, tradition, benter, personal traditions are personal tradition.
- Vii Inscriben of herbodi untrooted words water into oquiter system is strictly prohibited.
- will inclusions whath no likely to commor ground water pollution e.g., Takening, Shaughter I known and Procedure Procedures. Conf. emisterior, extent navarrasus unduring cas per CPCH may need to undertake recently well heard protection measures to missing procedure of ground water pollution.
- (III) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following apocine conditions:
- O In case of efficiency days require that require developing, proporent shall be required to comy our regular mentaring of developing discretings rate (using in liquid water flow motion), proporting to Crownel Water Classification or reporting as required by Distinct Ground Water Management Council.
- Initialisation of Swanger Treatment Plants (STP) shall be chalded for new projects, where ground weter requirement is more drain 20 m<sup>3</sup> (day, The water from STP shall be utilized for fallet flusting, care watering, partning etc.

Chies 07/04/2022

Philos Muzerbar Name

This certificate is electronically generated and does not require digital signature



# UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 18451/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated :23/12/2022

To.

M/s BINDLAS DUPLEX LTD UNIT 2

10.6th Km stone, Bhopa Road, Muzaffarnagar, MUZAFFARNAGAR, 251001

Tehsil: MuzaffarNagar

District :MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 18451 and 23/12/2022.
- Reference of application (No. and date) 17676513 and 13/10/2022.
- Mr PANKAJ AGGARWAL of M/s BINDLAS DUPLEX LTD UNIT 2 is hereby granted an
  authorization based on the enclosed signed inspection report for generation, collection,
  utilization, storage and disposal or any other use of hazardous or other wastes or both on the
  premises situated at 10.6th Km stone, Bhopa Road, Muzaffarnagar.

#### Details of Authorisation

		100000000000000000000000000000000000000	
S No.	Category of Hazardous Waste as per the Schedules 1,11 and 111 of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGH TSDF	0.225 MT/Annum
2	CATEGORY 33.1 AS PER SCHEDULE I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGHTSDF	1.2 MT/Annum
3	CATEGORY 33.2 AS PER SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGHTSDF	0.075 MT/Annum

- 1. The authorization shall be valid for a period of 22/12/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
   ABHISHEK TRIPATHI Digitally signed by ABHISHEK BY ABHISHEK BY ABHISHEK BY ABHISHEK BY ABHISHEK BY

- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Dumages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year .
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

# B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Digitally signed by ASHSHEK

ABHISHEK TRIPATHI IRIPATHI

Date: 2023.01.10 13:25:48 +05'30'

Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.

- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream, All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central

Pollution Control Board from time to time.

- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

ABHISHEK TRIPATHI Digitally signed by ABHISHEK TRIPATHI Date: 2023.01.10 13:26:06 +05'30'

## UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action.

ABHISHEK TRIPATHI Desc: 2023.01.10

CEO/EE, I/C Circle

# INDUSTRY INSPECTION REPORT (PULP & PAPER)

04.01.2024
04.

_		bate of inspection: 04.01.2024
	Name of the unit with complete postal address:	M/s Genus Paper & Boards Ltd., 8th KM Stone, Jansath road, Muzaffarnagar, Uttar Pradesh- 251001
2,	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.42627, 77.76057
3.	Industry Operational status	Operational
status  4. Consent status Unit has obtained following consents: For White paper/Kraft Paper/Cup stock or Board: a CCA No. 188600/ UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/ MUZAFFARNAGdated 18.08.2023, u/s 25 of the Water (Prevention & Control of Pollution) A and u/s 21 of the Air (Prevention & Control of Pollution) Act, 1981, which is v 31.12.2027(CCA placed atAnnexure-1) For Kraft Paper & Duplex Board(Unit-2): b Consent No. 147491/ UPPCB/MuzaffarNagar(UPPCBRO)/CT MUZAFFARNAGAR/2022 dated 20.01.202, u/s 25/26 of the Water (Prevention of Pollution) Act, 1981, which is valid upto 31.12.2026 (CCA placed atAnnexure Consent No. 147488/UPPCB/Muzaffarnagar(UPPCBRO)/CT No.		Paper/Cup stock or Board:  CB/MuzaffarNagar(UPPCBRO)/CTO/both/ MUZAFFARNAGAR/2023 25 of the Water (Prevention & Control of Pollution) Act, 1981  Prevention & Control of Pollution) Act, 1981, which is valid upto atAnnexure-1)  ex Board(Unit-2):  147491/ UPPCB/MuzaffarNagar(UPPCBRO)/CTO/water/dated 20.01.202, u/s 25/26 of the Water (Prevention & Control which is valid upto 31.12.2026 (CCA placed atAnnexure-2)

#### B. Production process and infrastructure

5.	Process	Manufacturing of Writing/White paper & Duplex board using Waste Paper/Readymade Pulp (bleached)	
б.	Raw material	- The control of the	
	a. Consented value	For White paper/Kraft Paper/Cup stock or Board: Waste paper/readymade pulp-250 MT/day for production of White paper/Kraft paper/Cup Stock or Board-225 MT/day For Kraft Paper & Duplex Board(Unit-2): Waste Paper-250 MT/day for production of Kraft Paper-225 MT/day and Waste Paper-368 MT/day for production of Duples Board-300 MT/day As informed, currently manufacturing Duplex board and Writing/white paper only.	
	b. Actual consumption (as per logbook)	For Writing/white paper: White cutting/Readymade Pulp-4734.96MT For Duplex Board: Waste Paper/Readymade Pulp-12252.125 MT Total = 16987.08 MT (As per logbook provided by the unit of last three months Oct-Dec, 2023)	
	c. Estimated daily consumption	Writing/white paper= 87.68 MT/day (4734.96/54) Duplex Board= 226.89 MT/day (12252.125 /54) Total=314.57MT/day	
7.	Production		
	a. Consented value	For White paper/Kraft Paper/Cup stock or Board: White paper/Kraft paper/Cup Stock or Board-225 MT/day For Kraft Paper & Duplex Board(Unit-2): Kraft Papaer-225 MT/day and Duplex Board-300 MT/day (as per consent of Unit-2) As Informed, currently manufacturing Duplex board	

		and Writing/white paper only.
	b. Actual Production (as per logbook)	Writing/white paper-4262 MT Duplex Board-11673 MT Total=15935 MT (As per logbook provided by the unit of last three months Oct-Dec. 2023)
	c. Estimated daily production	Writing/white paper = 78.92 MT/day (4262/54)  Duplex Board = 216.17 MT/day (11673/54)  Total = 295.09MT/day
	d. Yield (%)	93.80 % of raw material
	e. Estimated waste produce	6.20% of raw material i.e. 19.50 MT/D
8.	Fresh water consumpt	ion

a. NOC from CGWA/other authorized body

Six separate NOCs from UPGWD for six borewells. (NOCs placed at**Annexure-4**)
As informed, out of total 06 borewells, Borewell No. 1, 3 & 4 are in use; BW no. 2 is converted to piezometric well and BW no. 5& 6 are yet to be dugged.

Borewell No	Validity of NOC	Approved water abstraction (KLD)	Maximum annual withdrawal permission	Remarks
Borewell No 1		630	207900	Currently in use
Borewell No 2	18.12.21 to 17.12.26	630	207900	Converted to Piezowell
Borewell No 3		630	207900	Currently in use
Borewell No 4		630	207900	Currently in use
Borewell No 5	la compensation of	630	207900	Not dugged
Borewell No 6	20.03.23 to 19.02.28	720	237600	Not dugged
Total abstraction	permitted	3240 KLD (excluding borewell no. 2)	1069200 KL/Annum( excluding borewell no. 2)	

### b. Details of borewell

Electromagnetic flow meterwith totalizer found on borewell No. 1, 3 & 4

Borewell	Type of Flow meter	Instantaneous Reading m <sup>3</sup> /hr	Totalizer Reading m <sup>3</sup>
Borewell No 1	Electro-magnetic	0.0	748645.2
Borewell No 3		25.75	203396.03
Borewell No 4		108.15	100693.73

	<ul> <li>c. Permitted withdrawal quantity</li> </ul>	3240 KLD
	d. Actual withdrawal quantity	Total 162347 KL(As per submitted logbook of fresh water abstraction from three borewells of last three months Oct- Dec, 2023 (Total 79 days)
	e. Estimated daily withdrawal quantity	2055.02 KLD
	<ul> <li>f. Specific fresh water consumption</li> </ul>	6.96KL/MT of paper
9.	Effluent Management	
	a. Consented discharge	01

	<ul> <li>b. Consented discharge</li> </ul>	3400 KLD (1100	KLD + 2300 KLD)				
	value		er consent of White paper/Kraft Paper/Cu				
		stock or Board)					
		2300 KLD (as per consent of Kraft Paper & Duplex Boar (Unit-2)					
	<ul> <li>c. Actual effluent generation</li> </ul>	131322 KL (A months Oct-De	is per submitted logbook of last thre c, 2023)				
	(as per logbook)						
	<ul> <li>d. Estimated effluent generation daily</li> </ul>	2431.89 KLD					
	e. Specific effluent generation	8.24 KL/MT					
	<li>f. Actual recycling of treated effluent within process</li>	Total recycled	689.03 KLD (from 05,11.23 to Dec-23)				
	g. Losses in ETP %	1.24 % against generated sludg	typical 2-3 % in form of moisture in				
	h. Actual effluent	1712,57 KLD					
	discharge	(Common discha					
	Specific effluent discharge	5.80 KL/MT of p	production				
0.	Verification of ZLD-Not	applicable					
1.	Effluent treatment plant	t (ETP)					
		tank - Sediceli (treated effluent recycled to Paj & Pulp mill 3 & 4) - Equalization tank (common Clarifier (common) - Aeration tank-1 - Clarifier (common) - PSF (Common) - ACF(common) - ACF(common) - ACF(common) - ACF(common) - ACF(common) - Common - ACF(common) - Bernary Clarifier - Aeration tank (common) - Primary Clarifier - Aeration tank-2 - Secondary clarifier (common) - ACF(common) - discharge to dhan					
		channel  Effluent from Pa  - Jhonson Scre  Equalization tan  - Aeration tank  (Common)- ACI  through commo	thandhera drain through common open oper Machine & Pulp mill 5 - Collection tan- open - Hill Screen - MCH (Mega Cell) - ok (common) - Primary Clarifier (common) of Secondary clarifier (common) PSI (common) - discharge to dhandhera drain				
	b. Installed capacity	channel  Effluent from Pa  - Jhonson Scre Equalization tank  - Aeration tank (Common) - ACI through commo	thandhera drain through common open oper Machine & Pulp mill 5 - Collection tans open - Hill Screen - MCH (Mega Cell) - open (Common) - Primary Clarifier (common) open channel open channel				
	b. Installed capacity c. Metering at ETP	channel  Effluent from Pa  - Jhonson Scre Equalization tank  - Aeration tank (Common) - ACI through commo 2950 KLD ETP inlet	thandhera drain through common open oper Machine & Pulp mill 5 - Collection tan- open - Hill Screen - MCH (Mega Cell) - open (common) - Primary Clarifier (common) open change (common) PSI open channel V-notch installed at ETP inlet i.e., collection tank				
	b. Installed capacity c. Metering at ETP	channel  Effluent from Pa  - Jhonson Scre Equalization tank  - Aeration tank (Common) - ACI through commo	thandhera drain through common open oper Machine & Pulp mill 5 - Collection tan- open - Hill Screen - MCH (Mega Cell) - open (common) - Primary Clarifier (common) open channel V-notch installed at ETP				
	b. Installed capacity c. Metering at ETP	channel  Effluent from Pa  - Jhonson Scre Equalization tank  - Aeration tank (Common) - ACI through commo 2950 KLD ETP inlet	thandhera drain through common open sper Machine & Pulp mill 5 - Collection tanken - Hill Screen - MCH (Mega Cell) - lik (common) - Primary Clarifier (common) PS (common) - discharge to dhandhera drainn open channel    V-notch installed at ETP inlet i.e., collection tanker installed at Sedicell outlet to Process on 05.11.2023, as informed    V-notch installed at final				
	b. Installed capacity c. Metering at ETP  d. Operational status	channel  Effluent from Pa  - Jhonson Scre Equalization tank (Common) - ACI through common 2950 KLD  ETP inlet  Recycling points  ETP outlet	per Machine & Pulp mill 5 - Collection tanken - Hill Screen - MCH (Mega Cell) - lk (common) - Primary Clarifier (common) + Psi (common) - discharge to dhandhera drainn open channel  V-notch installed at ETP inlet i.e., collection tanken Flow meter with totalizer installed at Sedicell outlet to Process on 05.11.2023, as informed  V-notch installed at final ETP outlet				
	c. Metering at ETP	channel  Effluent from Pa  - Jhonson Scre Equalization tank (Common) - ACI through common 2950 KLD  ETP inlet  Recycling points  ETP outlet  Operational Flow at inlet: 82.	thandhera drain through common open sper Machine & Pulp mill 5 - Collection tanken - Hill Screen - MCH (Mega Cell) - lik (common) - Primary Clarifier (common) PS. (common) - discharge to dhandhera drainn open channel    V-notch installed at ETP inlet i.e., collection tanker installed at Sedicell outlet to Process on 05.11.2023, as informed   V-notch installed at final ETP outlet				
	c. Metering at ETP	channel  Effluent from Pa  - Jhonson Scre Equalization tank (Common) - ACI through common 2950 KLD  ETP inlet  Recycling points  ETP outlet  Operational Flow at inlet: 82. MLVSS/MLSS in a	thandhera drain through common open sper Machine & Pulp mill 5 - Collection tanken - Hill Screen - MCH (Mega Cell) - lik (common) - Primary Clarifier (common) PS. (common) - discharge to dhandhera drainn open channel  V-notch installed at ETP inlet i.e., collection tanken Flow meter with totalizer installed at Sedicell outlet to Process on 05.11.2023, as informed  V-notch installed at final ETP outlet				

	Characteri			T and the		in the second				
	Parameter	ETP inlet	ETP	Aerati on tank-1 (old)	Aeration tank-2 (new)	Norms as per consent	Compliance w.r.t. consent			
	pH	6.8	7.4	(010)	-	6.5-8.5	Complying			
	Color (hazen)	05	BDL	(#)	-	<150 hazen	Complying			
	BOD (mg/l)	2350	199		-	<20 mg/l	Non-complying			
	COD (mg/l)	6360	556	7	+	<150 mg/l	Non-complying			
	TSS (mg/l)	7793	271		*	<30 mg/l	Non-complying			
	TDS (mg/l)	2256	1680	1656	1724	<1600 mg/l	Non-complying			
	SAR (mg/l)	-	02		-	< 08 mg/l	Complying			
	Sulphide (mg/l)	•2	2.4	(*S)	-	•	-			
	AOX as Cl* (mg/l)	-	1.548		-	5				
	MLSS (mg/l)			2422	3663	~				
	MLVSS (mg/l)	2		1246	1864					
	g. ETP Sludge	e generation	n		min-state and the					
	Biological sludg generation (as per logbool	34	Data n	ot maintai	ned by the	unit				
	Average sludge Estimated slud	disposal	5.55 M							
	generation @ 3		5.68 To	onyoay						
			M/s I Muzaff Krishn author	sposal of Raj Con arnagar, a Board M ized sun	tractor a UP, who fills, Gaag dried boa	and Supplie is supplying al Heri, Saha and manufac	has agreement wit ers, Bhopa road g the same to Ma eranpur, UP or othe sturing paper mills			
	Remark		As per 299.61 2023 a	This agreement is valid upto 27.09.2024.  As per the details provided by the unit, it has sent tot 299.615 MT of ETP sludge to M/s Raj Contractor in No 2023 and Dec-2023 i.e., 5.55 MT/day which is in line will the estimated sludge generation of 5.68 MT/day.						
	Non-paper solid waste management (plastic waste)									
	Non-paper s		Logbook not maintained by the unit.  However, as per sales record, 1240.46 MT of plastic was sent to M/s K K Duplex and Paper Mills Pvt. Ltd., Jansat road, Muzaffarnagar, UP from Oct-Dec, 2023 for utilizing the same in their boiler i.e., 22.97 MT/day							
	generated (As per logbool		sent to road, I the san	M/s K K Muzaffarn ne in their	Duplex ar agar, UP boiler	nd Paper Mil	ls Pvt. Ltd., Jansat			
		k)	sent to road, I the san i.e., 22	M/s K K Muzaffarn ne in their	Duplex ar agar, UP boiler	nd Paper Mil	ls Pvt. Ltd., Jansat			
2	(As per logboo	k) manageme	sent to road, I the san i.e., 22	M/s K K Muzaffarn ne in their .97 MT/da ers 55TPH wi	Duplex ar agar, UP boiler y	nd Paper Mil from Oct-De	ls Pvt. Ltd., Jansat ic, 2023 for utilizin d operational			

			2 45	meter				
	c. APCD insta	lled	Electrosta	tic Precipi tic Precipi	itator (E itator (E	SP) with 5 SP) with 3	5 TPH boiler 4 TPH boiler-	unde
	d. Estimated requirement of paper pr	218 T/day						
	e. Fuel used		Rice husk/	/Bagasse/	Indian (	Coal		
	f. Fuel consur	mption (as pe	r lochook)					
	As per the de	tails of fuel	consumption	of last th	ree mor	nths provid	led by the uni	it:
	(MT)		Kolhu Bagasse (MT)	Co	al (MT)	Mill Bagas (MT)	se Total	
	Oct-23	137	663	48	34	848	6482	
	Nov-23	111	633	44	49	736	5929	
	Dec-23	81	507	33	00	539	4427	
	Total	329	1803	-	583	2123	16838	
				2.60	000	6123	10030	
	g. Daily fuel co		311.81 MT/	/day				
	h. Daily ash go		55.42 MT/	day (as p	er logbo	ook provide	d)	-
			Month		Ash (MT	generation		
			Oct-23			1400		
			Nov-23			1357		
			Dec-23			956		
	i Ach gan	Hen ou was a	Total			3713	5	
	<ol> <li>Ash general fuel consum</li> </ol>	uon w.r.t of led (%)	22.05 %			14720112-0		
1	j. Estimated	àsh						_
		w.r.t fuel			6 of ash eneratio	Annual Property of the Propert	Ash	
ı			Bagasse 2.5 %				generation 98.15 MT	1
ı			Rice husk		5 %		49.35 MT	1
l							3774.9 MT	1
1	k. Estimated generation	daily ash	72.64 MT/	day	_		3922.40 MT	_
	I. Disposal of ash generated		LIDIT IS USE	zing a pa	water and the	Committee of the Commit		
	generated		bricks, Do manufactur	ses and olwala, ring of sm with Ash lid from 0 Ash disp own land	remaini Dehrad art bric a fly as 1.11.20 cosed or d for	ng are se un, who ks from fly th bricks, 23 to 31.1	landfilling wit nt to Asha f is engage ash. Unit ha Dolwala, Deh 0.2024. I sent to Asha Ash Bricks (M	fly a ed s do radu
	generated		bricks, Domanufactur agreement which is val	ses and oiwala, ing of sm with Ash lid from 0 Ash disp own land landfillin	remaini Dehrad Jert bric a fly as 1.11.20 posed or d for ng (MT)	ng are se un, who ks from fly th bricks, 23 to 31.1	nt to Asha f is engage ash. Unit ha Dolwala, Deh 0.2024.	fly a ed s do radu
	generated		bricks, Domanufactur agreement which is val Month	ses and oiwala, ing of sm with Ash lid from 0 Ash disp own landfillin	remaini Dehrad art bric a fly as 1.11.20 posed or d for ng (MT) 367	ng are se un, who ks from fly th bricks, 23 to 31.1	nt to Asha f is engage ash. Unit ha Dolwala, Deh 0.2024. I sent to Asha Ash Bricks (M	fly a ed s do radu
	generated		bricks, Domanufactur agreement which is val Month	ses and oiwala, ing of sm with Ash lid from 0 Ash disp own lan- landfillin	remaini Dehrad art bric a fly as 1.11.20 cosed or d for ig (MT) 367 1248	ng are se un, who ks from fly th bricks, 23 to 31.1	nt to Asha f is engage ash. Unit ha Dolwala, Deh 0.2024. sent to Asha Ash Bricks (M	fly a ed s do radu
	generated		bricks, Domanufactur agreement which is val Month  Oct-23  Nov-23  Dec-23	ses and oliwala, ing of sm with Ash lid from 0 Ash dispount landfillin	remaini Dehrad lart bric a fly as 1.11.20 loosed or d for ing (MT) 367 1248 925.6	ng are se un, who ks from fly th bricks, 23 to 31.1	nt to Asha f is engage ash. Unit ha Dolwala, Deh 0.2024. sent to Asha Ash Bricks (M 0 57	fly a ed s do radu
	generated  m. Remark		bricks, Domanufactur agreement which is val Month  Oct-23  Nov-23  Dec-23  Total	ses and oiwala, ing of sm with Ash lid from 0 Ash dispount landfilling	remaini Dehrad lart bric a fly as 1.11.20 loosed or d for ing (MT) 367 1248 925.6	ng are se un, who ks from fly ih bricks, 23 to 31.1 h Ash Fly	nt to Asha f is engage ash. Unit ha Dolwala, Deh 0.2024. I sent to Asha Ash Bricks (M 0 57 0	fly a ed s do radu (TT)
		•	own premisoricks, Domanufactur agreement which is val Month  Oct-23 Nov-23 Dec-23 Total  Actual fly as the estimate	ses and oliwala, ing of sm with Ash lid from 0 Ash dispown land landfilling 25 Ash generated value	remaini Dehrad lart bric a fly as 1.11.20 losed or d for log (MT) 367 1248 125.6 40.60 tion (55 of fly a	ng are se un, who ks from fly ih bricks, 23 to 31.1 n Ash Fly	nt to Asha f is engage ash. Unit ha Dolwala, Deh 0.2024. is sent to Asha Ash Bricks (M	fly a ed s do radu
	m. Remark	ng report	own premisoricks, Domanufactur agreement which is val Month  Oct-23 Nov-23 Dec-23 Total  Actual fly as the estimate indicate that	ses and oiwala, ing of sm with Ash disp own landfillin andfillin sh generated value and is no	remaini Dehrad lart bric a fly as 1.11.20 losed or d for 1248 225.6 40.60 tion (55 of fly a	ng are se un, who ks from fly sh bricks, 23 to 31.1 h Ash Fly  .42 MT/day sh generate aining the ke	nt to Asha is engage ash. Unit ha Dolwala, Deh 0.2024. Is sent to Asha Ash Bricks (M 0 57 0 57 ) is much lession (72.64 Mogbook proper	fly a ed s do radu
	m. Remark	ng report	own premisoricks, Domanufactur agreement which is val Month  Oct-23 Nov-23 Dec-23 Total  Actual fly as the estimate indicate that Particulate fixment	ses and oiwala, ing of sm with Ash lid from 0 Ash disp own land landfillin  S 25 sh generated value of unit is no	remaini Dehrad lart bric a fly as 1.11.20 losed or d for 19 (MT) 367 1248 925.6 640.60 tion (55 of fly a t mainta	ng are se un, who ks from fly h bricks, 23 to 31.1 h Ash Fly  .42 MT/day sh generat hining the k Nm³(again	nt to Asha f is engage ash. Unit ha Dolwala, Deh 0.2024. is sent to Asha Ash Bricks (M	fly a ed s do s do radu i iT/)

				reeme	nt w	fr	ransbou rom 27.0 1/s Bhard	4.20	22 to	26.	04.2	027.	(Ref	er Anı	пехи	re-5)	
	Lec	recyclers /TSDF					temberst										
	Ha	zardo	us		was	ste A	s per su	bmitt	ted co	ру с	of las	st on	e Fo	rm-10	:		
	gei	nerate	ed			2885	No.	Date provi wasti TSDF	ding e to		Buri	nt Oi	0	Jsed Grease	1 1	vaste	
						. 11	1	27.0	7.2023	3	30 1	itre	3	10 kg	13.	5 kg	
16.		oduc			)	iyaia	Report							ne p	remis	965 1	near
	pr		tion	area Condu	)	DS T	otal tardness	Ca <sup>2</sup>	Mg <sup>2</sup> *	Na*		C+		- "		NO3-N	1886
16. Paramete	pr	oduc	tion	Condu	) IG- T	DS T	'otal	Ca <sup>2</sup>						SO <sub>2</sub> 5- j	NO2-N	NO3-N	10000
Paramete Values* Permissit	pro	pH	Color	Condu tivity	) IC- TI 52	DS  T	otal tardness as CaCO <sub>0</sub> )	Ca <sup>5</sup>	Mg <sup>2</sup> *	Na*	K*	CI <sup>+</sup>	Fì	SO <sub>4</sub> 5- 1	NO2-N	NO3-N	P
Paramete	pre-	pH 7.5 6.5-	Color BDL 15	Condu tivity	) IC- TI 52	DS  T	otal lardness as CaCO <sub>0</sub> )	Ca <sup>25</sup>	Mg <sup>2+</sup>	Na*	K+	CI <sup>+</sup>	FI: 0.21	SO <sub>4</sub> 5- 1	NO2-N	NO3-N	P
Paramete Values* Permissit Imit	pro ers ble ters	7.5 6.5- 8.5	Color BDL 15	Condutivity	) 6- TI 5- 20	DS T H (3 28 2 000 6	otal lardness as CaCO <sub>3</sub> ) 92 00	Ca <sup>3+</sup> 37 200	Mg <sup>2+</sup> 49 100	Na* 52	K+	Cr 57 1000	Fh 0.21 1.5	SO <sub>4</sub> 3- 1 48 ( 400 -	NO2-N 0.18	NO <sub>3</sub> -N BDL -	P

#### Analysis results of recipient drain (Dhandera drain):

#### Upstream of the unit:

pH	BOD	COD	Nitrate	Suifide
6.64	35	96	2.68	0.55
TSS	TDS	Sulphate	Phosphate	
150	1564	38	1.26	

#### Downstream of the unit:

Sulfide	Nitrate	COD	BOD	pH
0.35	2.78	113	42	6.53
	Phosphate	Sulphate	TDS	TSS
	1.38	40	1271	158

\*All parameters are in mg/l except pH

#### 17. Major observation & Key issues

- 1 The unit has obtained two separate consents, (i) for production of writing paper/white paper and (ii) for production of kraft paper & duplex board
- 2 Treated effluent from ETPs is discharged in dhandhera drain through common open channel.
- 3 As per the analysis results of ETP outlet, the unit is found non-complying w.r.t consented discharge norms for parameters BOD (199 mg/l w.r.t < 20 mg/l), COD (556 mg/l w.r.t <150 mg/l), TSS (271 mg/l w.r.t <30 mg/l) & TDS (1680 mg/l w.r.t norms of <1600 mg/l).</p>
- 4 Actual boiler ash generation (55.42 MT/day) is much less than the estimated value of boiler ash generation (72.64MT/day) indicate that unit is not maintaining the logbook properly.

### Key Issue

1 Non-compliance w.r.t consented discharge norms for parameters BOD (199 mg/l w.r.t < 20 mg/l), COD (556 mg/l w.r.t <150 mg/l), TSS (271</p>

	10 00	mg/l w.r.t <30 mg/ 2 Daily record for gen unit. 3 Improper logbook for	eration & dispo	sal ETP sludge is	s of <1600 mg/l). not maintained by the
18.		npliance Status er Discharge norms: Non	-complying		
19.	1. 2. 3. 4.	ommendations: Unit shall operate the ETF Unit shall maintain proper Unit should maintain dail waste. Unit shall obtain common writing/white paper, kra common boilers and h generating from product	r logbook for boile y record for gen on consent, as aft Paper &duple las a common	er ash generation of eration & disposa the unit is enga- ex Board at com- point for discha	& disposal.  al ETP sludge and plastic  ged in manufacturing or  mon premises, unit has
20.	Insp	ection team details:			
	Sr. No	MoEF&CC/ CPCB officials	Designation	Organisation	Signature with date
	1	Dr. Satya	Sc. 'E'	MoEF&CC	
53	2	Dr. R.K. Singh	Scientist D	CPCB, Delhi	Quing
32	3	Dr. R.K. Singh Sh. Imran Ali	Scientist D AEE	CPCB, Delhi UPPCB	Quid Ox
2000					Or .
	3	Sh. Imran Ali	AEE	UPPCB	Querong:
	3	Sh. Imren Ali Mr/ Ashish Chaudhary	AEE Hydrologist	UPPCB	Queverge

### Photographs



Entrance Gate





ETP flow diagram

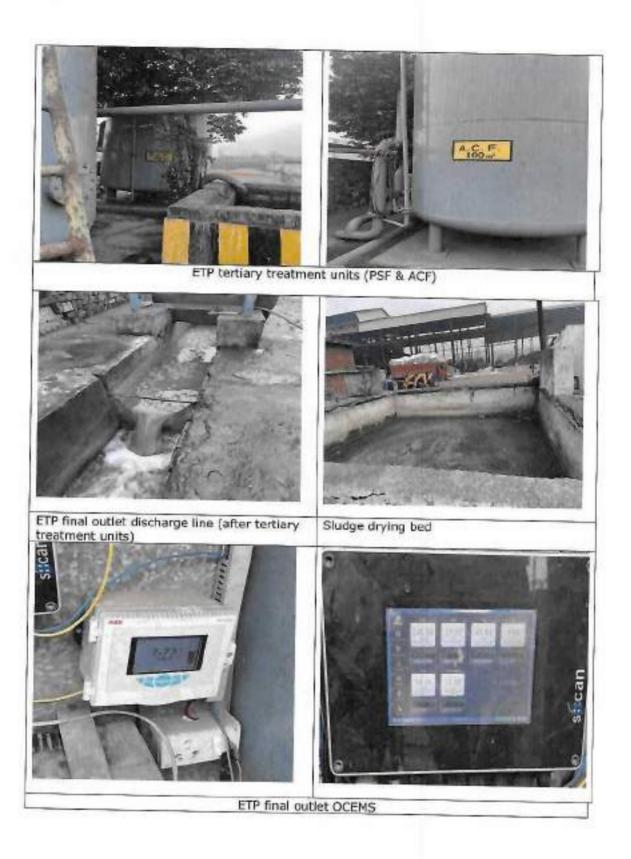


ETP collection tank

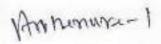


Secondary clarifier

Outlet of secondary clarifier









### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0512-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

188600/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 18/08/2023

To.

M/sGENUS PAPER AND BOARDS LTD

8TH KM STONE, JANSATH ROAD, DISTT. : MUZAFFARNAGAR, (U.P.) - 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution) Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" and Authorization Rules, 2016" notified under "Environment (Protection) Act, 1986" as applicable (to be referred hereinafter as Water Act, Air Act and HW Rules respectively).

#### Application no. 21981311

Date :- 2023-07-19

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s GENUS PAPER AND BOARDS LTD located at 8TH KM STONE, JANSATH ROAD, DISTT.: MUZAFFARNAGAR, (U.P.) - 251001 subject to the provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.
- 1.3 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016" notified under "Environment (Protection) Act, 1986.

2. Production Capacity:

S. No.	Declared by the unit		Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues; Recycled Fiber (Waste Paper) :	Name of Final Products & By -products with quantity per month	
1	Waste Paper Or Dry (Readymade) Pulp- 250 MT/Day	White Paper/Kraft Paper/Cup Stock Or Board- 225 MT/Day And Turbine of 9.4 MW Power Generation	White Paper/Kraft Paper/Cup Stock Or Board- 225 MT/Day And Turbine of 9.4 MW Power Generation

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.08.25 12.43.47 +05'30'

S. No.	Details	Declared by the unit		Permitted by the
		Numbers	Usage / Process operation	Board
1	White Paper/Kraft Paper/Cup Stock Or Board- 225 MT/Day And Turbine of 9.4 MW Power Generation By Using Waste Paper Or Dry (Readymade) Pulp- 250 MT/Day	White Paper/Kraft Paper/Cap Stock Or Board- 225 MT/Day And Turbine of 9.4 MW Power Generation By Using Waste Paper Or Dry (Readymade) Pulp- 250 MT/Day	White Paper/Kraft Paper/Cup Stock Or Board- 225 MT/Day And Turbine of 9.4 MW Power Generation By Using Waste Paper Or Dry (Readymade) Pulp- 250 MT/Day	White Paper/Kraft Paper/Cup Stock Or Board- 225 MT/Day And Turbine of 9.4 MW Power Generation By Using Waste Paper Or Dry (Readymade) Pulp- 250 MT/Day

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

## A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical / Critical / Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2027-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piczometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

			Declaration	Permitted	
S.No	4:	Source of fresh water	Borewells/river	Borewells/river	

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills,	<40 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper

 Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines- process, domestic and boiler.

- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piczometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

## B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
1	1100 KLD	1100 KLD	1100 KLD

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the remaining treated effluent after achieving the norms as mentioned below shall be disposed off into the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pН	6.5 – 8.5	6.5 – 8.5	6.5 - 8.5	No discharge is allowed

TSS, mg/l	<= 30	<30	<30	No discharge is allowed
BOD, mg/l	<- 20	< 20	< 20	No discharge is allowed
COD, mg/	<= 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<= 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<= 8	-	-	No discharge is allowed
SAR	<= 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually,
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
  GHAN SHYAM District SPCB and SHYAM District SPCB Department of the shall submit the analysis report on monthly basis to SPCB.

#### C. Domestic effluent/Sewage treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
L	Maximum daily discharge of sewage	3.0
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SEPTIC TANK

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- 2. The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No	+	Parameter	Standard	

- 3. Flow measuring devices should be provided for measurement of quantity of sewage generated. sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as 4. deemed necessary.
- 5. The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- 6. Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed 7. water supply system.

#### 6. Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be b.
- Oxygen Delignification & Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; ECF C.
- Use of jet aerators for improved biodegradation in aeration tank and increased DO level d.
- Press Washers in Pulp Washing to optimize water consumption acceptable under charter e.
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills g.
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air h. Floatation) Units

#### 7. Environmental management system

- Unit shall setup the environmental management cell including unit head, purchase/store manager, i. process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters ii. like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms. GHAN SHYAM Digitally signed by GHANSHYAM Date: 2023/08:25 12:44:58 +05:30\*
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	1 X 34 TPH BOILER WITH ESP, CAPTIVE POWER PLANT- 9.4 MW	Rice Husk/Low Sulphur Coal/ Biofuel-200 MT/Day	45 METER STACK HEIGHT ABOVE FROM GROUND LEVEL	ELECTRO STATIC PRECIPITATOR (ESP)	AS PER CAOM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit < operating in NCR > shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
  as is required for meeting the ambient noise standards for night and day time as prescribed for
  respective areas/zones (Industrial and Commercial) which are as follows:

	Standards forNoise	level in db.(A) Leq	
Industr	ial Area	Commer	cial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

- The unit shall take adequate measures to control of noise from its own source so as to comply with the standards as may be applicable.
- iii. The unit shall provide acoustics enclosure on DG sets as per Environment (Protection) Rules, 1986.
- iv. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- Conditions under Hazardous and Other Wastes (Management and Transboundary Movement)
   Rules, 2016: -
- Number of authorisation and date of issue :2018-02-22
- Reference of application (No. and date)9957/2018-02-22 :
- R9957 of asd is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, coprocessing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated atase.

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	disposal or recycling or	Quantity (ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULE I (USED OR SPENT OIL)	THROUGH TSDF	2.0 KL/ANNUM

2	CATEGORY 5.2 AS PER SCHEDULE I (WASTES OR RESIDUES CONTAINING OIL)	THROUGH TSDF	1.0 KL/ANNUM
---	---	--------------	--------------

- 4. The authorisation shall be valid for a period of
- 5. The authorisation is subject to the following general and specific conditions
- (Please specify any conditions that need to be imposed over and above general conditions, if any):
   General conditions of authorisation:
- The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
- The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 11. The hazardous and other waste which gets generated during recycling or reuse or recovery or preprocessing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 13. An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 15. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved
  within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be
  considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- 7. Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.

- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area,
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- 12. made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges, Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
   GHAN SHYAM Digitally signed by GHAN SHYAN Date: 2023.08.25 12:45:44 +05:30

The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
 This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

- This CTO Is Valid Only For The Production White Paper/Kraft Paper/Cup Stock Or Board- 225 MT/Day
  And Turbine of 9.4 MW Power Generation By Using Waste Paper Or Dry (Readymade) Pulp- 250 MT/Day
  AS Raw Material At Site 8th KM Stone, Jansath Road, District- Muzaffarnagar, U.P.
- 2. The industry must comply the condition of NOC issued from UPGWD for abstraction of ground water.
- In case of any change in production capacity/ process/raw materials use etc. the industry will have to
  intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from
  U.P. Pollution Control Board.
- 4. Industry shall operate as per norms 1 X 34 TPH Boiler installed with ESP and 45 meter stack height from ground level, 9.4 MW Turbine. Fuel Boiler is Rice Husk/Low Sulphur Coal/ Biofuel-200 MT/Day. Only approved fuel be permitted as per CAQM direction.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis by LIMS Portal from a certified / approved laboratory under E.P. Act 1986 to the Board.
- Unit must ensure strict time bound compliance of suggestion/recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp and Paper Industries" formulated by CPCB.
- 7. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
- This CTO order shall automatically become invalid on issuance of Closure Order by C.P.C.B/UPPCB and further on Revoking of Closure order, the Consent order shall become valid.
- 10. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM. 11. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available' as one-time as per CAQM direction dated-16.12.2022.
- Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 13. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 14. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 16. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.

  GHAN SHYAM Digitally signed by GHAN SHYAM Date 2023.08.25 12:45:55 +05'30'

- 17. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 18. The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 19. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process. No Treated water shall be discharge outside the factory premises in any circumstances.
- 20. Industry shall install/operate at sufficient height from the ground level Open to Network HD PTZ Camera at the outlet of ETP and its URL and password shall be provided to the UPPCB Control room.
- 21. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 22. Industry shall install and maintain Online Continuous Effluent and Emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 23. Industry shall comply the order passed by Hon'ble NGT time to time.
- 24. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- 25. Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board after expansion in existing unit.
- 26. Industry shall not use furnace oil/pet coke as a fuel,
- 27. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 28. The unit shall submit the audited balance sheet for the current year.
- 29. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.
- 30. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 31. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 32. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 33. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.
- 34. The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 35. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner GHAN SHYAM District 2022.08.25 12:45:06+05:30\*

suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.

- 36. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 37. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 38. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice. 39. The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 40. In case of occurrence of an accident, complete details on Form-I1 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 41. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 42. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 43. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 44. Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 45. It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 46. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 47. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 48. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.

  GHAN SHYAM Digitally signed by GHANSHYAM DIGITALLY DIGITALY DIGITALLY DIGITALLY DIGITALLY DIGITALLY DIGITALLY DIGITALLY DIG

- 49. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 50. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 51. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 52. Ground water monitoring report of premises shall be submitted within one month.
- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 54. The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

GHAN SHYAM Digitally signed by GHANSHYAM Date: 2023.08.25 12:46:28 +05'30' Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Date: 2023.08.25 12:46:39 +05'30'
Chief Environmental Officer (Circle 3)



### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 8522-2730828.2720831, Fax 0522-2720764, Limit: info@cuppeb.in, Website: www.uppeb.com

198888/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 18/01/2024

To.

M/sGENUS PAPER AND BOARDS LTD

8th KM STONE, JANSATH ROAD, DISTT. MUZAFFARNAGAR (U.P.), MUZAFFARNAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act. 1974"and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" and Authorization Rules, 2016"notified under "Environment (Protection) Act, 1986" as applicable (to be referred hereinafter as Water Act, Air Act and HW Rules respectively).

Application no. 23961853

Date :- 2023-12-24

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s GENUS PAPER AND BOARDS LTD located at 8th KM STONE, JANSATH ROAD, DISTT. MUZAFFARNAGAR (U.P.), MUZAFFARNAGAR, 251001 subject to the provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2028-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2028-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.
- 1.3 This CCA is granted for the period upto 2028-12-31 from the date of issuance of this letter under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016" notified under "Environment (Protection) Act, 1986.

2. Production Capacity:

Raw material (tpd / tpa) Wood, Agro re	Declared by the unit	Permitted by the Board	
	CALLED AND A STATE OF THE STATE	Name of Final Products & By -products with quantity per month	
1	Waste Paper or Dry (Readymade) Pulp- 618 MT/Day	White Paper/Cup Stock/Kraft Paper/Duplex Board- 525 MT/Day and TURBING OF CAPACITY-6.0 MW	White Paper/Cop Stock/Kraft Paper/Duplex Board: 525 MT/Day and TURBINE OF CAPACTIY - 6.0 MW

## 3. Production Process Infrastructure

S. No.	Details	Declared by the unit		Permitted by the
		Numbers	Usage / Process operation	Board
1	White Paper/Cup Stock/Krall, Paper/Duplex Board- 525 MT/Day and TURBINE OF CAPACITY- 6.0 MW by using Waste Paper or Dry (Readymade) Pulp- 618 MT/Day	White Paper/Cup Stock/Kraft Paper/Duplex Board- 525 MT/Day and TURBINE OF CAPACITY-6.0 MW by using Waste Paper or Dry (Readymade) Pulp- 618 MT/Day	White Paper/Cup Stock/Kraft Paper/Duplex Board- 525 MT/Day and TURBINE OF CAPACTIY- 6.0 MW by using Waste Paper or Dry (Readymade) Pulp- 618 MT/Day	White Paper/Cup Stock/Kraft Paper/Duplex Board- 525 MT/Day and TURBINE OF CAPACITY- 6.0 MW by using Waste Paper or Dry (Readymade) Pulp- 618 MT/Day

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

## A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical /Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2028-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.
- This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted	
S.No	Source of fresh water	Borewells/river	Borewells/river	

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced

Paragraph of the second commence of the secon	Participant of the second	
RCF and Market Pulp Based Paper Mills producing	Without Power Boiler	< 2.5 m3/t paper
unbleached grades of papers and paperboards (ZLD)	With Power Boiler	< 5 m3/t paper

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

## B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
t	2300 KLD	2300 KLD	2300 KLD THROUGH ETP - REUSE IN IRRIGATION/GREEN BELT/DHANDERA DRAIN

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.

The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH .	6.5 - 8.5	6.5 - 8.5	6.5 - 8.5	No discharge is allowed
TSS, mg/I	<- 30	<30	<30	No discharge is allowed
BOD, mg/l	< 20	< 20	< 20	No discharge is allowed
COD, mg/	<= 200	< 150	< 150	No discharge is allowed
TDS, mg/l	< 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	< 250	< 150	< 150	No discharge is allowed
AOX, mg/l	< 8			No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- E) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.

- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below;

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	20 KLD
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SEPTIC TANK

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

	The second secon	The state of the s	
S.No	Parameter	Standard	

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hercunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- Oxygen Delignification & Delignific
- d. Use of jet acrators for improved biodegradation in acration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills

- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following feel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	1 X 55 TPH Boiler	Rice Husk/Low Sulphur Coal/ Biofuel- 350 MT/Day (Only approved Fuel be permitted as per direction given by CAQM)	55 Meter Above Stack Height From Ground Level	Electro Static Precipitator (ESP)	AS PER CAQM DIRECTION
2	2 X 625 KVA DG Sets	CNG/PNG/Diesel - 1.0 KLD (Only approved Fuel be permitted as per direction given by CAQM)	AS PER E(P) RULES, 1986	Acoustic Enclosure	AS PER CAQM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit <-operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industrial Area		Commercial Area	
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

- The unit shall take adequate measures to control of noise from its own source so as to comply with the standards as may be applicable.
- The unit shall provide acoustics enclosure on DG sets as per Environment (Protection) Rules, 1986.

- The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-I, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- Conditions under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016: -
- Number of authorisation and date of issue :2018-02-22.
- Reference of application (No. and date)9957/2018-02-22 :
- R9957 of asd is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, coprocessing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated atasd

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	disposal or recycling or	Quantity (ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULE I (USED OR SPENT OIL)	TUROUGHTSDF	1.20 KL/ANNUM
2	CATEGORY 5.2 AS PER SCHEDULE I (WASTES OR RESIDUES CONTAINING OIL)	THROUGH TSDF	1.20 K1/ANNUM

- 4. The authorisation shall be valid for a period of
- 5. The authorisation is subject to the following general and specific conditions
- (Please specify any conditions that need to be imposed over and above general conditions, if any):
   General conditions of authorisation:
- The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
- The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- 6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- It is the duty of the authorised person to take prior permission of the State Pollution Control Hoard to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any
  accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or
  preprocessing or utilisation of imported hazardous or other wastes shall be treated and disposed of as
  per specific conditions of authorisation.
- The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 13. An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

- 15. Annual return shall be filed by June 30th for the period ensuring 31st March of the year. General Conditions:
- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- 4 In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/cmail immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior approval before making any modification in product/ process/ fuel/ plant machinery failing which consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- 12. made thereunder.
- 13 If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc, or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.

- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22 The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All vulves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

- This CTO is valid only for the production capacity of White Paper/Cup Stock/Kraft Paper/Duplex Board-525 MT/Day and TURBINE OF CAPACITY- 6.0 MW by using Waste Paper or Dry (Readymade) Pulp-618 MT/Day only at site 8th KM STONE, JANSATH ROAD, DISTRICT- MUZAFFARNAGAR, U.P., PIN-251001.
- Earlier The Board has issued a CTO vide Ref No. 147488/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/air/MUZAFFARNAGAR/2022, Dated: 20/01/2022 and Ref No. - 147491/UPPCB /MuzaffarNagar(UPPCBRO)/CT O/water/MUZAFFARNAGAR/2022, Dated: 20/01/2022 is revoked.
- 3. The Industry must install STP for treatment of domestic sewage 25 KLD and submit the proposal for same within one month to the Board.
- The industry shall submit a proof of Bank Guarantee submitted in the Board, if not then submit the Bank Guarantée as per CTE issued to unit on 17.11.2023 within a month.
- 5. Unit must submit balance fee of Rs. 80,000/- in the Board for CCA application within 15 days of issuing this certificate.
- The industry must comply the condition of NOC issued to unit from the UPGWD for abstraction of ground water.
- 7. In case of any change in production capacity/ process/raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- Unit must ensure strict time bound compliance of suggestion/recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp and Paper Industries" formulated by CPCB.
- No plant and machinery shall be allowed to install in the industry without obtaining prior CTE from UPPCB.
- 10. Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board by LIMS Portal.
- 11. In compliance of the Central Pollution Control Board letter no. 1 No 3-

- 190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge
- 12. The unit will not use agre based raw materials in the production process.
- 13. The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 14. The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 15. Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 16. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 17. The unit shall ensure deployment of qualified manpower to step up self-monitoring mechanism on 24 ×7 basis.
- 18. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 19. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 20. The industry shall operate as per norms by CAQM/CPCB 1 X 55 TPH Boiler installed with Electro Static Precipitator (ESP) and 55 Meter stack height from ground level. Fuel Boiler is Rice Husk/Low Sulphur Coal/ Biofuel- 350 MT/Day. Unit also operate 2 X 625 KVA DG Sets with Acoustic Enclosure and stack height as per Board norms. Fuel for DG set is CNG/PNG/Diesel- 1.0 KLD. Only approved Fuel be permitted as per direction given by CAQM.
- 21. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 22. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM 23. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 24. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 25. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 26. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 27. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 28. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part

compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available as one-time as per CAQM direction dated-16.12.2022,

- 29. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 30. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 31. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 32. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 33. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 34. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 35. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 36. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P. Rules 1986.
- 37. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 38. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 39. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 40. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 41. Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 42. The unit shall submit the audited balance sheet for the current year.
- 43. The industry shall establish Miyawaki forest inside the factory premises in sufficient area the treated effluent from the ETP shall be used for forestation/irrigation within premises.
- 44. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II16405/220/2018/02
- dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppeb.com/pdf/Green-Belt-Guidle 160218.pdf.
- 45. The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 46. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand

physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.

- 47 The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 48. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 49. It is brought to your notice that as per the order dated 14.11.2003 passed by the Blon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 50. The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 51. In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 52. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board Details along with the project report must be sent in this regard within fifteen days of receipt of this letter. otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 53. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 54 In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 55. Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery reuse system must be sent within two months.
- 56. It is within the powers and functions of the U.P. Pollution Control Board to suspend, cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 57. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 58. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter
- 59. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transhoundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 60. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the

factory premises within a month.

- 61 You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 62 Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 63. Ground water menitoring report of premises shall be submitted within one month.
- 64. Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 65. The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

PRADEEP SHARMA SHARM SHARM 120822 - III 30

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA

| Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | PRADEEP SHARMA | Operator Superation | Operat

Chief Environmental Officer (Circle 3)

William of or

27673 T WAY

sport blank



## GROUND WATER DEPARTMENT

(Namami Gange & Bural Water Supply Deportment) Ministry of Jal Shakti Government of Uttar Pradesh

#### Form 8 (C)

(See Rule 8(1))

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL! COMMERCIAL! INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Utlar Pradesh Ground Water Management and Regulation Act, 2819.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOCD13915 VALID FROM 20/02/2023 TO 19/02/2028

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019).

Registration No.: 202301000524 Name of the Owner SURVA PRAKASHISIMHA Designation GENERAL MANAGER Company Name GENERAL WAY कामनी का लाग AND BORN DIS STATE OF Company Address 8TH KM STONE JANSATH ROAD MUZAFFARNAGAR - 251001-Authorization Letter Bown at वस्पनी कर पंता स्म उत्कारीस Address aftine Applicant STHIRM STONE HOAD MUZAFFARNAGAR Application No. MZFN0123AJN014E Date of Submission 22/01/2023 Specimen Signature Location Particulars Musilfar Nagar Block KUKDA BADAR Plot No./Khasra No. 1403F Municipality/Corporation Ward No /Holding No. NEW Particular of the Proposed Well and Pumping Device Date of 10/04/2022 Construction/Sinking of

the Well

Type of Web Tube Well-Books

Purpose of well industrial

Straner Position (For Tube West)

Type of Pump Used Submoraible Operational Device

Electric Motor

Diplh of the Well (in

respond

Assembly Size(For Tube

Well

H.P. of the Pump

25.00

40.00

Rate of Withdrawal

100.00

(m2thr.)

0.07

3 20 CO - 100 AM

Date of Energization (in Case of Electric Pump)

20,2000

Maximum Allowable Rate of Withdrawa Lim<sup>3</sup>der,)

Maximum Allowable Annual Extraction of Ground Water

about blank

10/02/2009

Maximum Allowable Running Hours Per Day

7.00

Recharge Required

68923 00

32503 TO AV

about plans.



## GROUND WATER DEPARTMENT

(flamming tamp) & Recal Water Depote Delicated Ministry of Jal Shakti Oovernment of Uttar Pradesh

#### Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO NOD029810 VALID FROM 20/02/2023 TO 19/02/2028

(VIS10(1) of the Uttar Pracesh Ground Water Management and Regulation Act, 2019)

Registration No.: 20230	11006523		
Name of the Owner			
Name of the Owner	SURVAPRAKASHSINHA		
Designation 46	GENERAL MANAGER	Company Name कच्छी का नाम	OUND HAVE AND HONE IN MITTO
Company Address worll air our	8TH KM STONE JANSATH ROAD MUZAFFARNAGAR - 251801-	Authorization Letter प्राप्तिकार प्राप्त	Обитова
Address of the Applicant	6TH KM STONE ROAD, MUZAFFARNAGAR	Application No.	MZ5NG 23N/NC
Just of Submission	29Ki)2023	Specimen Signature	
Location Particulars			
District	Malaffar Negar	Block	KUKBASADAH
Plot No Khasra No.	Kapar	Municipality/Corporation	No
Ware No./Helding No.			NA
Particular of the Propos	ed Well and Pumping Device		
Date of Construction/Sinking of the Well	10/0H2022 +		
Type of Well	Twise Strett/Floring	Depth of the Well (in meter)	45.00
Purpose of well	Industrial	Assumbly Size(For Tube Well)	
Strainer Position (For Tube)	Voll)		
Type of Pump Used	Submerable	H.P. of the Pump	79 00
Operational Device	Electric Motor	Rate of Wandrawal	90.00

short his -



## GROUND WATER DEPARTMENT

Ministry of Jal Shakti Government of Uttar Pradesh



## Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC024312

VALID FROM 18/12/2021 TO 17/12/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202112000231

Name of the Owner

SURVA PRAKASH SINHA

Designation

DIRECTOR

Company Name कंपनी का तपन

COARDS LIMITED

Company Address

कपनी का पता

8th unistone (ansath road muraffamager

Authorization Letter

प्राधिकार प्रव

Download

Address of the

Applicant

BITH KM STONE ROAD MUZAFFARNAGAR

Application Form Serial

MPFN1221NNOCES

Date of Submission

33/12/2021

Specimen Signature

#### Location Particulars

District

Muzattar Ningar

Block

SEDZAFFARNAGAR.

Plot No./Khasra No.

1063

Municipality/Corporation

1000

Ward No./Holding No.

N/A

Particular of the Proposed Well and Pumping Device



## GROUND WATER DEPARTMENT

Ministry of Jal Shakn Covernment of Uttar Pradesh



## Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.1

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC024312

VALID FROM 18/12/2021 TO 17/12/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202112000231

Name of the Owner

SURVA PRAKASE SINHA

Designation

DIRECTOR

Company Name

CENUS PAPER AND

कंपनी का नाम

ROARDS LIMITED

Company Address

कंपनी का पता

8th 8m stone jansath road, mutaffarnager

Authorization Letter प्राधिकार पत्र

Downwar

Address of the

Applicant

ATH KM STONE HOAD, MUZAFFARNAÇAR

Application Form Serial

Date of Submission

11/12/2021

No.

Specimen Signature

MZFIN1221 NIND083

### Location Particulars

District

Muzattar Nagar

Block

MUZAFFARNAGAR

Plot No./Khasra No.

1068

Municipality/Corporation

No

Ward No./Holding No.

N/A

Particular of the Proposed Well and Pumping Device

Q1.7.56 PM

410

Date of

08/02/2021

Construction/Sinking

of the Well

Type of Well

Tupe Wel/Sanda

Depth of the Well (In

40.00

meter)

Purpose of well

Inductrial

Assembly Size(For Tube

Well)

Strainer Position (For Tube Well)

Type of Pump Used

Factor purity

H.P. of the Pump

25 60

Operational Device

Dectric Motor

Rate of Withdrawal

90.00

(m<sup>2</sup>/hr.)

Date of Energization (In Case of Electric Pump)

09/02/2021

Maximum Allowable Rate of Withdrawal 90,00

Maximum Allowable Running Hours Per Day: 7.00

(m<sup>1</sup>/hr.)

Maximum Allowable Annual Extraction of Ground Water:

20/908

This have bly countries conflicted authorizes the owner applicant juser) to sink a well in the location specified at \$4.00 for extraction of unmind water at a rate not exceeding that as shown at \$1.13), for Punning Hours per day as shown at \$1.00kb and for maximum at 3.00kb and contact on or ground water as shown at \$1.00kb and 5 valid subject to the poservature of the conditions stated overlean.

#### GENERAL CONDITIONS:

in case of any change of ownership of the proposed well, fresh authorization has to be obtained

- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and
  (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall fead to
  carpellation of this authorization.
- For the purpose of measuring and recording the quarity of ground water extracted, every said user shall all a high alwater low
  metrics (not forming to BIK). IS standard by having telemetry system in the abstraction structure, which record one and quantum of
  extraction, at outlet of pumping nevices and it shall be presurred that the quantity recorded by the meter has over extracted by
  the sold user until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not
  expect to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the wall que to quality hazards or any other framers. If the situation so, demands
- If the Charty change of ownership of the existing well-fresh registration has to be considered.
- No induce of location design rate of withdrawn and purpose few orin respect of the existing well as indicated at Sci (2) and (3) of this certificate shall be inside without prior percession of the Compatient Aprillands. They perceived in this regard shall lead to smoothness of this registration.
- In case, any of the particulars I information furnished by the applicant in no application federation of this registration is found to be incurred during verification at any subbequent stage, this registration is figure for caticulation.
- The Certification Authorization / NOC shall be valid for a period of five years from the clase of issue. The applicar a shall move to
  apply for renewal through a fresh application, at least ninety days prior to expriy of its validity.
- Construction of piezometers and installation of digital water level recorders with telephotory shall be mandatory for user. Depth and construction of piezometer should be commonwate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on nor thily basis.
- Guidelines for installation of Piezometers and their Monitoring

gwnloadRegCextricine

7 14 PM

38/83/2021

Construction/Sinking

of the Well

Date of

Type of Well Tuge Well/Boring

Depth of the Well (in

meter

Purpose of well Incustnet Assembly Size(For Tube

Well)

Strainer Position (For Tube Well)

Type of Pump Used Floor Thans

Date of Energization (In Case of Electric Pump)

H.P. of the Pump

40.00

Operational Device:

Cleating Martin

Rate of Withdrawal

90.00

08/02/2021

(m3/hr.)

Maximum Allowable

903.00

Maximum Allowable

2300

Rate of Withdrawal

(m³/hc):

Running Hours Per Day:

Maximum Allowable Annual Extraction of Ground Water

1507900

This North ection certificate authorizes the corner applicant (user) to sink a well in the invalid repetitied at \$1.00 for experienced on in the air of a read of the exceeding that as shown at St (3), for Funning House designs an shown at St (3k), and for maximum all whose unitial extraction of ground earlier as shown at \$1.3k) and it valid subject to the poperative or the contract stated

#### GENERAL CONDITIONS:

In case of any charge of ownership of the proposed well, fresh authorization has to be obtained

- . No charge of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this sertificate shall be roads without arior permission of the Competent Authority. Any design primities opare shall lead to rancelation of this sufficientiation.
  - Epithe cursose of seasuring and recording the quarrity of ground water extracted invity and user small affile the fall water flow. matery stockers in the BIS/15 chanded to the truly system in the abstraction integral which leaded has and quantum of extraction, at outline of company devices and it shall be presumed that the quarters in surder by the mater has been extracted by the said uper until the circitrary is proved. The rate of extraction of ground water from the well as above in them 3(k) shall not exceed to the regarded rate from water meters
  - The concerned Authority reserves the right to stop extraction of ground water from the well due to quality researds or any other reliebre. If the sit about ap demands.
  - If local of large change of lower phics of the defining well, thesh registration has table octained.
  - No change of a cation design rate of withdrawal and parapara device in respect of three spirit with as with limit at 1.15 and (1). of this contribute shall be image without an or permeasion at the Competent Automities may be wanger in this record shall lead to impellation of the registration
  - Problem and of the paraeuters deformed on furnished by the applicant in no application for spageduced the registration is found. table monreal chineg verification at any subsequent stage, this registration is liable for cancellation.
  - The Conflictate of Authorizational NOC shallow valid for a period of five years from the date of sisting. The applicant shall have to apply for renewal through at fresh application, at wast ninety days prior to exprised it, salidity
  - Construction of prezentatives and installation of digital water level recorders with referresing shall be manualogy for user. Death and or - floor for perumeter sharpd be commencurate with that of the pumping well. The did a phriefied from pignal water level netto densional numabe available to this office on monthly bases
  - · Guidelines for Installation of Piezometers and their Monitoring

Download Reg Centricum

Presented is a barewell if the well used gally for measuring the water level by lowering the topic sounder or automatic water level musicing elaptic participants. It is also used to take water suitable for water quality testing when involved document guidelines for multiplication of the porterior are as follows:

- The prescriptor is to be installed point fructed at the minimum of 50 m distance from the pumping will tribugh which proving widers being withtreach. The diameter of the prescriber should be about 4" to 6".
- The death of the prézonater should be same as is case of the pumping well from which ground water is being abstraction.
   It there than one prézonaters presinstalled the second prezonater should mondor the challow ground water regime. It will tablicate shallow as well as deeper ground water aquifer monitoring.
- No of prezontaters to be constructed δ. Type of water level monitoring mechanism shall be as per below table.

SNo	Quantum of Ground water withdrawal	No of piezometers	Monitizing Mechanism	
	(ситисву)	required	Manual	DWLR with Telemetry
1	< 10	o	a	0
7	11 - 50	3		0
5	50- 500	1	Ð	1
4	> 500	2	0	2

- The measuring frequency struct be morthly and accuracy of measurement should be up to the first ported measurement should be given in meter up to two decimal.
- For measurement of water level sounder or automatic water level recolder (AVALR)/ Digital Automatic mater level recorder DAVLR) with referrency system should be used for appuracy
- the measurement of noter level in a szometer should be taken, only after the pumping from the sum inding have wells
  had been sterujed for about four to so hours.
- All the details regarding coordinates, reduced resol (with respect to mean level), bepth, zone toped and instembly lower and should be provided for time and the percompter into the Hydrograph Materialning System for Ground Water Department after Prodeon, and for the validation.
- a The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-moliscom (October howersee) pendd. Quality may be got analyzed from NABL according to Bronder, designation (Tables the boddle to the odinional University (Mount Water Repartment, Unity Practice in rightmag) at all stays in
  - a immore display count include installed at prezonneter flute wells site for principing the location prezonneter fully over number death and come tapped of prezonneter/tube well for standard referencing and identification.
  - arrivation of the specific requirement legarding safety and process for measurement reply be taken that of
- An influence that may be imposed by the concerned Authority
- in case and of the particulars Einformation femished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subtroduct stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Cert ficate for ground water extraction by industries shall be granted audient to the following approfic concerns.
- If the following Certificate shall be dranted only in such cases where local government water suchly agentive, menor able to suggety the desired quarkity of water.
- Ad incurrent shall be required to adopt failers water of event technologies so as for Fully acceptable fide on pround water response.
- uffill mountries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to underlake introductors and through
  Londerschmot Indian industries (LEI)/ Federation indian Chamber of Conversion and requirity (EICCI//Notices/Proportionly
  Countries) Use third auditors and submit audit reports within three morehs of completed out the same for usual Water
  Department User Property Alfagen industries about the required to refuse their ground water out by at least 70% over the next face
  years through appropriate research.
- In Construction of objects on well(s) (promote rate) within the premises are rescallation of appropriate with level mentality of mediums as mentioned in General Condition no 10 shall be mandatory for indicatines drawing/processing by draw more than 1 may dray of ordered water and. Monitoring of water level shall be done by the project important. The pregometer (coperation with a shall be constructed at a maximum distance of 50 m from the bore well/production with Depth level (as, for the expect of the

CownloadRagCerufesta

- is a unieres shall be the state as that of the company yell worls. Monthly water level data shall be submitted online to the Ground
- If the proponent shall be required to account on its water horsesangli recharge in the project premises, industries which are pelly to dollar ground placer (chemical pharmaceuticus ayes pigments, paints, toxules, sannery pessicides) in secticides. lews zers, slaughter house explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry
- without on of treated protested waste water into aquifor system is smally promotion.
- all industries where are likely to cause ground water pollution e.g. Tarning, Staughter induses. Die Chomical, Reporternical are systemes, three ligitardoun units are can period to undertake ries of tany well head protection measures to and an provertion of groups water addition.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following
- The case of entragerupture projects that require deviatering proponent analyse required to carry out regular monitoring of deviateding peoples got (using a digital water flow meter) and submit the data online to firefund Water Deput ment LIP as and a guar Mondaring records and results should be retained by the proported for two where, for inspection or reporting as request by Ostric Ground Water Management Council
- I is a fluride of Service Teaptours Plants Of Prish at be mandstory for new projects, where proving warming armore more the of military Brevester from STP shall be unlized for last flustring car westing, guidening ex-

at 27/12/2021

PlaceMuzaffer Negar

This certificate is electronically generated and does not require digital signature



# GROUND WATER DEPARTMENT

Ministry of Jat Shakti Government of Uttar P-adesh

## Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO. NOCD40850 VALID FROM 18/12/2021 TO 17/12/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202111000073

Name of the Owner

SURYA PRAKASH SINHA

Designation

98

DIRECTOR

Company Address

कंपनी का पता

8th km stone ransath road, muzaftamagar

Address of the Applicant

BTH KM STONE ROAD MUZAFFARNAGAR

Date of Submission

09/11/2021

Location Particulars

District

Muzaffar Nagar

Plot No./Khasra No.

1063

Ward No. Holding No.

Particular of the Existing Well and Pumping Device

Date of

OB/02/2012

Construction/Sinking of

the Well

Type of West

Tubo Well/Barvig

Purpose of well

Industrial

Strainer Position (For Tube Well)

Type of Pump Used

Submersible

Operational Device

Efective Motor

Date of Energization (In Case of Electric Pump)

Maximum Allowable Rate 93.08

of Withdrawat (m2/hr.):

Company Name

कंपनी का नाम

GENUS PAPER AND BOARDS

MZFN 112 ININGO70

LIMITED

Download

Authorization Letter

पाधिकार पर

Application Ferm Serial

Specimen Signature

Block

MUZAFFARNAGAR

Municipality/Corporation

NEA

Depth of the Weil Jin meteri

40.00

Assembly Size(For Tube

Welli

H.P. of the Pump

25.00

Rate of Withdrawai

90 00

(enight.)

08/02/2012

sidewollA mumiketa Running House Per Day

7.00

## aimum Allowable Annual Extraction of Ground Water:

207900

This No-Objection certificine authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water sit is rate not exceeding that as shown at St. (3), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overlead.

## GENERAL CONDITIONS;

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior pentissa on of the Competent Authority. Any deviction in this regard shall lead to cancellation of this authorization.
- For the purpose of measuring and recording the quartity of ground water extracted, every said user shall affix pigital water flow maters
  iconforming to BIS/ IS staincards) having felemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet
  of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is
  proved. The rate of extraction of ground water from the well as shown at earn 3(k) shall not exclude to the recorded rate from water maters.
- The concerned Authority reserves the night to stop extraction of ground easier from the well due to quality hazards or any other reasons; if the equation on personals.
- In come of any change of pyreership of the existing work, fresh regulation has to be obtained.
   No charge of location, design, late of willightwall and pumping device in respect of the existing well as inclicated at SI (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this requirement.
- In case, any of the porticitars I information turnished by the applicant in his application for issuance of this registration is found to be incorrect.
   Curing verification at any subsequent stage, this registration is liable for canocitation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal tricurgh a fresh application, at least rainsty days prior to expiry of its validity.
- Construction of piezomotion and installabori of signs water level recorders with telemotry small be manufactory for user. Depth and zone tapped or piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made evaluate to this office on monthly bases.
- Guidelines for installation of Piezometers and their Monitoring

Augument it is also used to take water sample for water quality testing when ever needed. General guidelines for negation of piezometers are \$5 follows:

- The properties also be installed operatracted at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The comparer of the programmer should be about 4, to 6".
- The depth of the perconneter should be same as is case of the pumping well from which ground water is being ubstractor. If, more than one piezometers are installed the second prezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aguillar repostoring.
- No of prozometers to be constructed 8 Type of water level mondaring mechanism shall be as per below table.

S.No	Duarstom of Ground water withdrawol (cum/doy) No of prezonneters region		Monitring Mechanism		
			Manuat	DIVLR with Yelematry	
1	< 10	0	0	0	
2	11-50	1			
3	50-500		0	· ·	
4	> 500		100	1	
he mose		2	0	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in mater upto two decimal.
  - For measurement of water-level soundar or automobic water level recorder (AVVLR): Orginal Automotic water level recorder (DWLR)
    with felemetry system. Should be used for accuracy
- The repastrement of water level of prezonates should be taken, only after the purposing from the surrounding to be wells has been shopped for about four in pix hours.
- At the details regarding exercinates, reduced level (with respect to mean level), depth, some taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Montoning System for Ground Water Dependent. Until Product and for exvisidation.
- The ground water quality has to be monitored twice in a year during pre-monador (May/June) and dest-monador (October/November) periods. Quality may be got enalyzed from NABL approved tab. Besides, one sample (1 li capacity bottle) to the concerned Director, Ground Water Department, Uttar Pracesh, for chemical analysis.
- A Permanent display board should be installed at prezoneter/Tube wells see for providing the location, prezonment/ tube well represent and zone tracked of prezonetentube well for standard referencing and countricities.

- Any other surespective recomment or gooding safety and access for measurement may be used care of
- Any other condition(s) that may be imposed by the openemial Authority.
  In case, any of the particulars it information furnished by the poplicant in his application for lessuance of this permit is found to be incorrect. curry, verification at any authority of the permit is table for cangellation

#### SPECIFIC CONDITIONS

- (A) For industrial User. No Objection Composite for ground water extraction by incustries small be prairied subject to the following specific
- in the Objection Certificate should be granted unity in such cases where local government water supply agencies are not able to supply the
- in All industries shall be required to use at past water off dent technologies so as to rectude dependence on ground water resources.
- 1) All industries abstracting ground water triexcess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (Cit)/ Fedoration Indian Chamber of Commerce and Industry (FICC)/ National Productivity Council (NPC) cartified auditors and submit audit reports within three examins of completion of the same to Ground Water Department Unitar Process. At such industries shall be required to reduce those ground water the by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (plug a never)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no 10 shall be mandatory for industries drawing proposing to draw more than 10 mill day of ground water and informing at east level shall be done by the project proposent. The prezonater following on well) shall be constructed at a minimum. district of 50 militars the tions well-production well. Depth and equiler zone tepped in the piezometer about he are sating as that of the pursons wells than the water load data shall be submitted online to the Ground Wallin Department, UP
- v) For proportions about the regular of to adopt too rain water harvesting, recharge in the project premises, industries which are likely to ground water joness of pharmiceutical dyes, pigments, paints, textries, tannery, pesticides, insecticides, fertilizers, slaughcer house. expressives etc.) shall store the harveston an vector in surface storage tanks for use in the industry.
- vi) fraction of treated/unfranted waste water into aquater system is strictly prohibited.
- is industries which are thely to cause graduit water poliution e.g. Tarning, Staughter Hauses, Dye. Character Patrochemical, Cost waster as other hazardous prior etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water polytige.
- (B) intrastructural User: The No Disjection Perticular for ground water abstraction will be greated subject to the following specific conditions:
- ii) in case of infrastructure projects that require dewatering, proponent shall be required to carry out regular impriting of dewatering. discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable, Monitoring records and results should be retained by this proponent for two years, for inspection or reporting as required by District Ground Water
- ii) herallation of Squege Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m² Aday. The water from STP small be utilized for soler bushing, car washing, gardening etc.

Dive 27/12/2421

Pace:Muzalfar Nagar

This certificate is electronically generated and does not require digital signature



# GROUND WATER DEPARTMENT

Ministry of Jal Shakti Government of Uttar Praduch



# Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC033015

# VALID FROM 18/12/2021 TO 17/12/2026

(UIS10(1) of the Ultar Pradesh Ground Water Management and Regulation Act, 2019)

## Registration No.: 202111000074

Name of the Owner SUMA CHANGE SINHA Designation DIFFECTOR Company Name IN WHATERAND 44 कंपनी कानाम BOARDS LIMITED Company Address sto kin interrepanceth rood, muzaffarnagar Authorization Letter Cownibec कंपनी कर पंजा प्राविकार वर Address of the B. HINN STONE ROAD MUZAFFARNAÇAR Application Form Serial MUZEN ESSANATORIS Applicant. No. Date of Submission (Set 1) 2021 Specimen Signature

#### Location Particulars

District Mutaffar Nague Block MUZAFFAFRAGE MUZAFFAFRAGE Ward No. 1068 Municipality/Corporation Fig.

# Particular of the Existing Well and Pumping Device

N2/4

418

- 30 X36 PM

Download keg Geraficate

Note of Construction/Sinking of the Well

o me ren

Type of Well

Tabe Well/Borno

01002/2015

Depth of the Well (In

903 (33)

Purpose at well

Indicatrial

Assembly Size For Tube

Well)

meter)

Stramer Position (For Tube Well)

Type of Pump Used

B. anversible

H.P. of the Pump

25.00

Cogrational Device

Begre truta

Rate of Withdrawal

00.00

Date of Energization (In Case of Electric Pump)

08/02/2012

(m3/hr.)

Maximum Alfowable Rate of Withdrawal (4143)

Maximum Allowable Running Hours Per Day 2700

(m<sup>2</sup>/hr.)\*

Maximum Allowable Angual Extraction of Ground Water:

257900

The language authorizes the owner applicant (user) to sink a well in the recursor specified at Si. (2) for extraction of the later at a rate not exceeding that as shown at Si. (3), for Running Hours per day as shown at Si. (3k) and for meximum of the lateral entraction of ground water an answer at Si. (3k) and is valid subject to the observance of the conditions stated by effect.

#### GENERAL CONDITIONS:

- I have of any orange of persons play the proported well nest a mongation has to be considered.
- Such any or incation design, rate of withdrawal and pumping device in respect of the proposed well as indicated at S.E.G.) and
  of this pertinate shall be made without once perosposing the Competent Austrianty. Any device on in this regard shall less the
  concentration of this pultipolization.
- If all the pullbose of images range and recording the quantity or ground water extracted leaving solid user that are display whiter flow invitors conforming to BIS/18 standards! howing telementy system in the abstraction structure, which record are and quantity of solid injuries and it are the conforming to use the pullbose and it shall be presumed that the quantity of coded by the exister has been overly feel or extraction of ground water over the well as above it does not available of extraction of ground water over the well as above it does not available.
- The concerned Authority is served the right to stop extraction of ground water from the well due to gust ty hazards or any other reasons if the situation so concerds.
- If uncoffered disrige of dwnership of the desting well, fresh registration has to be obtained.
- For it engines together, per path of withdrawalland purping device in respect of the existing and as indicated at 37. (2) and (3) of the contribute of that be made without provinces or of the Compotent Authority in a decision in this registration.
- If the larger the destruction of the property of the applicant in the applicance of the recognise of the reputation is followed by the applicant in the applicance of the recognise of the recognise of the reputation of the reputation of the reputation.
- The Contribute of Agricultural CVCC stigling value for a period of the years fine it is useful issue. The appropriate shall have to
  equilibrium and there are best appropriate of the property and sometiment to express the value of the appropriate.
- Open better of approach a and attraction of diginal water is encorders with a family shall be represent the analysis for the purpose with a family beginning from diginal water (e.g., recorders and be made as all able to this bitter on montally basis.)
- Buildelines for Installation of Plezometers and their Monitoring

#### DownlandRegCertricata

in more is a narrowall district or after only for measuring the water level by lowering the rapez sounder or suspensational level recommon quipment. It is also used to take water sample for water quality testing when ever hexced. General pudelines for of the entropy properties on as follows.

- the presonate for is to be introded constructed at the minimum of 50 m dictance from the pumping well through which pround water at pour plant with propert. The diameter of the prezonneter should be about 4" to 6"
- The decrived the programment amount be same at is date of the gumping with morn which ground water is being abstracted I many than any unexpenditure and restained the second piezometer should monitor the shallow orbited makes regarded to we a claste unality as each as see per pround water aquiter monitoring
- up at performance to be own record & Type of waterlevel (contorue meglianism), had be as perbelow tizzie

S.No.	Quantum of Ground water withdrawal	No of piezometers	Moniting	ng Mechanism
D.NO.	(dum/day)	required	Manual	DWLR with Telemetry
1	1×10	0	6	D
2	11 - 50	1		0
3	50-500	1	0	1
4	= 400	7	0	2

- The inclusioning firmulating should be morntally and accuracy of measurement allouid be up to one the liquid notice. measurement insuld be given intreterupto two decimal
- o in a measurement of water level againder or automatic water level recorder (AWLR)/ Digital Automatic, water level recorder (L.Y. R) with belometry system should be used for accuracy
- e. The measurement of worter level is prezometer should be taken, only after the purposing from the surrounding tupe wells. han been stopped for about four to six hours
- All this details regarding coordinates, reduced level (with respect to mean level), droth, wone tapad and assambly knowned. should be provided for bringing the pleasmeter into the Hydrograph Munitoring System for Ground Purint Department. . Har Pragesh, and for its valication.
- The ground winter quality has to be inexistered twice in a year during premiension (May/June) and post-morecon. Or Index November (periods Qualdy may be got analyzed from NAS), approved tab. Begines, one sample (1 it operanty to the comparped Director Ground Water Department Crise Prodesh, for chemical accounts
- A remaining display space about the installed at prezonater fluor weeks site for providing the location or corrector tube. resident to puts and constanged of precometer/tube well for standard retires tong and identify paid
- of other transfer recoverient reparting safety and access for measurement may be taken care of
- Are only producing that may be imposed by the concerned Authority.
- If case any of the particulars fundament on fundament by the apparant in his applicance of the permit is found to be no viect oursely verification as any subsequent stage, this permat is liable for concellation

#### SPECIFIC CONDITIONS

- (A) For Industrial User. No Edjection Cartificate for ground water extraction by and ustries shall be granted subject to the following
- I. No Otses and Certainage shall be granted only in such cases where local government water supply agencial are notable to suitably the besided quantity of water.
- iii All industries shall be required to adopt littest water efficient technologies so as to reduce disperimence on pround water
- in a linear space and ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water in editations in Commerce and Industries (City Federation Indian Champer of Commerce and Industry (FICIOI) National Deader state Council the discentified and to be and subtrict audit reports within three months of gottle first of the same to prove of Water Focus travel District Posters. Absorb impusibles costilibe required to reduce their ground water pointly a treat of his over the local five ment the such autroporture engage
- and organized to provide a well-supregrated education of a particular or appropriate or declarationing recommend as mergadized in Carrest Commission to the Shall be mandatory for in flustrics drawing, proceeding 10. military of project water and experience of water level shall be done by the project procedure. The performance lobservation wellthis is a substitute of a tring of pure production of military the bore production were continued agreed where temperature the

#### 17/22, 3:36 PM

#### DownloadRepCertificate

To here shall be the same as that of the purposing well, itselfs. Monthly water fews data shall be submitted as the to the Ground motor Legal breat, DR

- If the imponent shall be required to picked roof top raw water harvesling, recharge in the project premises. Industries which are: there to pollute ground war et (phornical phermaceutical dyes, pigments, paints, textiles, farmery, pestiodes, in sections, projections, claughter house explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry
- If the thor of treated untripoled waste water into aquifer system is strictly prohibited.
- in the latters which are likely to court ground water pollution e.g. Tanning Staughter Houses, Dye. Chemical/ Petrochemical, Or of versheries, other managious units etc. (as per CPCB list) need to undertake necessary well have protection measures to er sure prevention of pround water position
- (B) Infrastructural User: The No Disconomic emiscate is a ground water abstraction will be granted subject to the following
- If case of inhasts glare projects that inquire dewatering proportent shall be required to carry out regular inventioning of deviatering the charge tare during a digital water flow meter) and submit the data graine to Ground Water Department, Links its I table. Monitoring records and results of build be relained by the proponerit for two years, for inspection or reporting as implified by District Ground Water Management Council
- If initialistics or Sawage Treatment Plants (STP) shall be mandatory for new projects, where ground water incurement is more thin 20 mill cay The water from 6TP chat be unlured for toilet flushing, car washing, gardening rise

- 4 28/12/2021

Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



# GROUND WATER DEPARTMENT

Ministry of Jal Shakti Covernment of Ustar Pradesh



# Form 8 (C)

See Rule 8(1)

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.1

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC048461

VALID FROM 18/12/2021 TO 17/12/2026

(UIS18(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202112000233

Name of the Owner.

SUTTA PRAKASILISINIHA

Designation

LABECTOR

Company Name क्ष्मिली जा लाम

ENAUS PARER AND HC490S UMITE

Jamo my Amittess

WHAT IN BUILD

BTHEM STORE JANISATH ROAD MUZATIANAMA

Authorization Letter प्राचिकार प्रश

tre too

Address of the Applicant

STEEKM STONE HOAD, MUZAFFARNAGAR

Application Form Serial No

MEEN1221NH008-1

Date of Suppression

\$1812/2009

Specimen Signature

## Location Particulars

Dietrier

Muzellar Nagar

Block

MLYAFFARNASAU

Plus No. Hittera No.

10163

Municipality/Corporation

World No. Holding No.

Particular of the Proposed Well and Pumping Device

OownloadRegCertificate Object Action tels injetion / Smking the breat po of Well Tube Well/Boring Depth of the Well (In 46 cm meter) Puronse of well Industrial Assembly Size(For Tube Well) Statiner Position (For Tube Well) Type of Pump Used Submersible H.P. of the Pump. 2500 Open tional Device Electric Moins Rate of Withdrawell 90.00 (m3/hr) Date of Energization (In Case of Electric Pump) U8212-2011 Maximum Allowable 00,00 Maximum Allowable Rate of Withdrawal 7.00 Running Hours Per Day: (milibu)

Maximum Allowable Annual Extraction of Ground Water:

207901

the pertinents authorized the owner applicant (user) to sick a well in the formion specified at \$1 (2) for extract on or If a rate not exceeding that as shown at St (3), for Running Hours periods as shown at St (1k), and for maximum in the unrulat expact to of ground water as shown at St (3k) and is valid subject to the observance of the conditions stated overleaf.

# GENERAL CONDITIONS:

- the transport ownership of the proposed well fresh authorization has to be obtained.
- in the control in the grant of withdrawal and purioning sevice in respect of the properties will an indicated acts. (2) and in friend about the regard without prior permission of the Comprehent Authority. Any deviation in this require shall lead to nodes in the pushor zation
- If the masser of measuring and recording the quantity of ground water extracted, every said user small affecting toll water tiols. and the summing in Bis/is standards) having telemetry system in the abstraction structure, which record rate and quantum of set of the analysis of purposed devices and it shall be presumed that the quantity recorded by the meter has been extracted by the state of extraction of ground water from the well at shown in translation of ground water from the well at shown in translation shall not and a very convenied rate from water meters
- The most width of the services the light in stop extraction of ground water from the well due to quality for any other the state of the s
- way murge of ownership of the einstring well, freshiregistration has to be obtained.
- the first of location, design, rate of well-drawal and pumping device in respect of the existing well as indicated at \$1.00 and \$1.00 allar a della date shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to of the segistrated
- in the arm of the particulated intentiation full ished by the applicant in his application for is business of this is a market or in the contraction of the contracti a standard flootication of y backeniers stage, this registration is list in for consistation.
- the last of the factorization) NGC share be valid for a period of five years from the date of issign. The applicant shall have a in the example of the proportion, at least ninety days prior to expray of its vote by
- the court in the secretary and insighation of digital water level records stwith tale marks they for one Deposition the tell (the table) of the continuous water with that of the purposing well. The data obtained from pigital water leave of the internation make available to mis office as monthly poses
- Cited cas for Installation of Pierometers and their Monitoring

#### DownloadRagCenticate

is a national of approximation of the water-level by powering the type of solutions of a smaller water level in a payment in making pass to take water sample for water quality testing until overticed at them is a calcined for will at the letter of the second

- The propulation is to be installed to astructed at the minimum of 50 to distance from the pumping well through vehicle or was written being withdown The dometer of the prezometer should be #15 it 4" to 6".
- south of the president which across some as in case of the opinions well then extect, specific water in being abstracted in the trapporter materials agree of alled the second prezenteler should increase that the the four ground materiagane, it will a significant convention desper pround water aquifer monetoling
- in the residual designation of the property of

SiNo	Quantum of Ground water withdrawal	No.of piezometers	3127023020000000000000000000000000000000	ng Mechanism
	(cum/day)	required	Manua)	DWLR with Telemetry
	<b>*</b> TO	o	0	0
2	71 66	t		. 0
	50-500	¥ - 1	0	1
14	¥ 800	2:	0.	2

- suffice trendingly should be monthly and accuracy of melesiver lent sleduk be up to only the reported in the night should be given in maker upto two decimals
- in a more than of mater level scanner or automatic water level/recorder (AVVLR)/ Digital Automatic ventories el recorder Rivioration rietry system should be used for accuracy
- In a constitution of water level in pleasure for should be taken, only affinithe purposing from the surrounding tube well. the stropes to about the policy hours.
- I me withit regardant coordinates, reduced level (with respect to mean level), depth, zone taped and insembly lowered It is a be provided for thringing the piecometer into the Hydrograph Monitoring Distern for Ground Warm Construct min Principals and for its validation
- the ground water quality has to be injunitored twice in a year during pre-monacco (May/June) and post indication I (com/havember) periods. Quality may be got analyzed from NABL approved so, Besides, one quisolet I it capacity to the concerned Director Countd Water Department, Litter Prodesh for obe rocal analysis
- is a manifold spray board should be installed at parameter/flubs wells side for providing the coated discounter flubs. the contract and some lappen of presonator/tube well for diproparate entrangland current out. to the sign of the requirement repairing safety and access for measurement may be taken during
- the state of the through a magnetic by the amounted Authority
- in a participace further align formshed by the applicant in reliapplicant projects assume at this point to be the property of the property of a property of the stage of the permitted parties of the concentration.
- SPECIFIC CONDITIONS
- . A) For Industrial Useri No. Objection Certificate for ground water extraction by industrials such the granted such at to the following
- The configurate shall be granted only in such cases where local government water supply agencies, the not sole to of the treatment of mater.
- the first and be required to adopt listest water efficient technologies so as to reduce dependence or unlind water entalenti
- in the appropriate approximation and the research of the modern and the required to undertake areas well reacht through 15 for the exhibiting (CID) Federation indian Charmoer of Commerce and Indianty (FILLE)// National Productivity certified auditors and submit such reports within three months of completion (if the sums to C. cund Water in the property of the Property All sajeth industries shall be required to reduce their group it water use by at least 2011 over the tiest have the pot improposable means
- the first of positivation are fall alexameters as within the premisely and mutural moral at the president of and a superborned in Degenot Condition to 10 shall be monthly by little industries diagrams probably in the index to in the I have notice and reported higher water level small be done by the project to be populative department of personal week. in the field of a manufactured extension of 50 m from the local exchipropulation and a facility of the tabled in the

## DownloadRegCertificate

regionater shall be the same as that of the purposity wat, wells. Monthly water level out a shall be submitted online to the colonic

y an upper analige required to adopt roof top own water harvesting, senharge in the project payment, into street when have April gazine water (chemical inarmadeutical, eyes, pigments plants, temper, ram/err, personally insertions the pulled house experiences etc.) shad store the harvested rain water in sociacle storage tanks for the infording

in of preplaciful unfreated was to water into aquifer system is strictly prohibited

- then which are likely to organ ground water pollution e.g. Tanning Slaughus Houses, Dye, Chemical, Pepinchemical The series other hazardour ories etc. (as per CPCB list) need to underfake necessary well tisho protection messages to the state of the state of ground was as particular
- (B) Intrastructural User. The No Objection Certificate for ground water abstraction will be granted subject to the tolkowny
- the of infractional projects that require dewatering propularly shall be required to patry but regular monitoring of and submit the data only a display water flow meter) and submit the data only to Capand Willer Decomment, the as A serior reports and resurts should be retained by the proponent for two years, for inspection or reporting as District Ground Water Management Council
- in the faction of Sewage Treatment Afants (STP) shall be mandatory for new projects, where pround water requirement is more her it mi /day The wester from STP shall be utilized for toiler flushing, car washing, disconnumers

27/12/2021

Alugarta Nager

This certificate is electronically generated and does not require digital signature



# GROUND WATER DEPARTMENT

Ministry of Jal Shakti Government of Uttar Pradesh

## Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC016149

VALID FROM 18/12/2021 TO 17/12/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act. 2019)

Registration No.: 2021	03000376		
Name of the Owner	SURYA PRAKASH SINHA		
Designation 42	DIRECTOR	Company Name कपनी का स्टब्स	GENUS PAPER AND BOANDS LIMITED
Company Address कंपनी का पता	Bith km stone jerseith road, muzaffarnager	Authorization Letter पाष्टिकार पत्र	Download
Address of the Applicant	8TH KM STONE ROAD, MUZAFFARNAGAR	Application Form Serial	M2FN1221NIN0061
Cate of Submission Location Particulars	24/93/2021	Specimen Signature	
District	Muzulfar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No. Ward No./Holding No.	NA	Municipality/Corporation	N/A
	sed Wall and Pumping Device		NA
Date of Construction/Sinking of the Well	12/04/2021		
Type of Well	Tube Well/Boring	Depth of the Well (in	40.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube)	Well)	2209	1 9
Type of Pump Used	Submerable	H.P. of the Pump	25.00

Ser Honal Device.

Electric Motor

Date of Energization (In Gase of Electric Paint)

Maximum Allowable Rate

80.50

of Withdrawal (milhr):

Maximum Allowable Annual Estraction of Ground Water:

Rate of Withdrawol

90.08

(m<sup>3</sup>/m)

12/04/2021

Maximum Allowable Running Hours Per Day 7.00

207900

The No-Chjerton certificate authorizes the owner applicant (coar) to tenk a well in the terminal specified at \$1.47 for extractory of ground water of a rate rise exceeding that as above at \$1.00), for Running Hours per day as shown at \$1,000, and for maximum allowable assual extraction of ground water as shown at \$1.00) and it valid outject to the observance of the conditions stated overfloat.

#### GENERAL CONDITIONS:

- . In case of any change of existing put the proposed well, fresh authorization has to be obtained.
- No mange of location design, rate of withdrawal and puriping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to concellation of this authorization.
- For timp surpose of measuring and ecocation the quantity of ground water extracted, every text user shall offix digital water flow meters
  combining to BISI IS etandards; having bitcometry system in the abstraction stuckars, which recorded by the meter has been extracted by the said user used the contrary is
  proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to be recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality frequency at any other resistons, if the structure seldemance.
- In case of any charge of currenship of the editing well, fresh registration has to be obtained.
- No distinct of register, design, rate of withflowed and pumping device in respect of the existing well as indicated 9(5) (2) and (3) of the certificate shell be made without prior perforation of the Computent Authority Any payables of this registration.
- in case, any of the particular conformation farms had by the applicant in his application for miniatrize of this registration is found to be incorrect during conforming party in preparation that happened to be incorrect.
- The Centroses of Authorisation! NOC shall be vote for a period of five years from the clause: escale The appropriate it has never to apply for such as the high application, at await injectly days prior to expert of its validity.
- Construction of placements and initialization of digital water level recorders with submission after the manufactory for user. Depth and zone typone of permissional be commonstrate with that of the pumping well. The case, paramed from digital water level recorders shall be made invalidable to this office on manufactory does.
- · Guidelines for installation of Piegometers and their Monitoring

Pezoniator is a borewell /tubewell used only for measuring the water level by lowering the taper sounder or purposate water level measuring incurrent. It is also used to take water sample for water quality testing when ever needed. General guidelines for incustation of prezometers are as fully as

The preshmenor is to be restable of postunicated at the minimum of 50 m distance from the pumping well through which ground water is from what away. The diameter of the preconneier should be about 4" to 6".

The depth of the preparation of the same as is care of the pumping well from which ground water is being abstracted it, more than one placemeters are installed the second pleasurers should months the shakey ground water applied the facilities should not be shakey ground water applied monitoring.

No of parameters to be constructed & Type of water level representing mechanism costs be as per determinant.

SNo	Quantum of Ground water withdrawell intenday?	No of piezometers year lived	Ma	uting Mechanism
		10 to De20-11 to 14 to 16 to 1	Monto:	Wd.Rivith Telements
	H190	. 0	8	q.
2	\$%-\$%	The state of the s		
3	56-500	26	4	-
35	2500	2	á	2

The measuring frequency should be monthly and accuracy of measurement should be up to am. The registrations assurement should be given in review up to am the registration of the property of

For measurement of water level assumption or outputomatic water level recorder (AVAIR). Digital Automatic water lovel recorder (FaVaIR). Digital Automatic water lovel recorder (FaVaIR).

The measurement of water to of its prezonater should be taken, only after the perspent from the surrounding time wells has preimposed for about four in low many.

All the details regarding prordinates, reduced level (with respect to mean like 1), design zone laced and assumely lowered should be provided for bringing the pezdineter into the reprograph Monkoring System for Ground Visual Department, other Process, and for its stiffulnion.

The ground water is larger than to be independent time in a year during pre-industrial study from pending on the pending of th

periods. Quality may be got analyzed from NABI, approved to Decides, one sample (1 ft depents to the concerned Director, Bround Water Department, Ultar Pradesh, for chemical analysis.

A Permanent display board should be installed of prezions ten Tutie walls site for providing the totalion, prezionate of tube well number, depth and zone tapped of prezionate itube well for standard referencing and identification.

Any other site specific requirement regarding sufety and access for measurement may be triver-core of

- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit in hand to be incurred outing vertication at any subsequent stage, this permit is hable for cancellation.
- · SPECIFIC CONDITIONS
- (A) Fer Industrial Quer. No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific products.
- If the Objection Certificate wildlift be granted only in such cases where local government water supply exercises are not acre to supply the
  desired Quantity of water.
- All inclusines shall be required to adopt latest water efficient technologies so as to ractice dependence an ground water resources.
- All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water sudii through Confuderation of right industries ICBV Federation Indian Chamber of Commerce and Industry (FIGCIV National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Weter Disparament Litter Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iii Construction of observation works) (pleasmeter)(s) within the premises and installation of appropriate water level managing mechanism as more upon Condition no 10 shall be mandatory for industries drawing proposing to draw more than 10 m. I that of ground water and Mondoing of water level shall be done by the project proposent. The pleasmater (observation well) shall be constructed at a minimum of through the pare well-proposition well. Depth and aquiter zone tapped in the progressive shall be the same as that of the pumping well within Monthly water level data and the pumping with water level data and the pumping of the pumping well write.
- If he arrasoned shart be required to adopt roof top rain water harvesting/negraph in the project paymees impushed are likely to
  again pround water (characte), pharmsceatical, dyes, payments, paints, textiles, farmery, positiodes/insecticides, fortingers, staughter house,
  aspirations and a skell word the horizontal along water in surface storage tanks for use in the inquirery.
- iii. In aid if in all mushles current fled was to swater into accuree system is strictly prohibities;
- iii inclusines which are likely to cause ground water pollution e.g. Tanning, Staughter Houses. Dye. Chemical Petrochemical, Cast workeness
  after hazardoos wats etc. (as per OPCB hat need to undertake necessary well head protection measures to ensure presention of ground
  water pollution.
- (b) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted suspect to the following specific conditions.
- In ourse of infrastructure projects that require dewatering, proponent shall be required to carry but regular monitoring of devicening discharge store (using a digate water flow motor) and submit the data critine to Ground Water Department. UP as applicable. Monitoring records and results should be extended by the proponent for two years, for inspection or reporting as required by Destrict Ground Water Management. Council.
- It installation of Sawage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 70 m² (4a). The water from STP shall be unitged for toder flusting, car washing, gardening etc.

Date 27/12/2021

Place Muzeffor Nagar

This certificate is electronically generated and does not require digital signature



# UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand,Gomti Nagar, Lucknew-226010

Phone: 0522-2720828,2320831 Fax: 0522-2720764 Email: info@appeb.com Website: www.uppeb.com

Ref. No: 16608/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated :27/04/2022

To.

M/s GENUS PAPER AND BOARDS LTD UNIT 2

8TH KM STONE JANSATH ROAD, MUZAFFARNAGAR, MUZAFFAR NAGAR, 251001

Tehsil: MuzaffarNagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- L. Number of authorization and date of issue 16608 and 27/04/2022
- Reference of application (No. and date) 15287537 and 04/03/2022.
- 3 Mr SURYA PRAKASH SINHA of M/s GENUS PAPER AND BOARDS LTD UNIT 2 is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 8TH KM STONE JANSATH ROAD, MUZAFFARNAGAR.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules L,H and HI of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.		
1	CATHGORY 5.1, SCHEDULE I (USED OR SPENT OIL)	THROUGHTSDF	2.0 KL/ANNEM	
2	CATEGORY 5.2, SCHEDULE I (WASTES OR RESIDUES CONTAINING OIL)	THROUGH TSDF	1.0 MT/ANNUM	

- The authorization shall be valid for a period of 26/04/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under).
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- 4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.

# 430

- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

## B Specific Conditions of Authorization

- 1- This Authorization is valid for USED OR SPENT OIL- 2.0 KL/ANNUM AND WASTES OR RESIDUES CONTAINING OIL - 1.0 MT/ANNUM disposed through TSDF.
- 2- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 3- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 4- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 5- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 6- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is

# 431

also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.

- 7- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 8- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 9- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 10- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 11- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 12- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 13- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 14- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 15- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 16- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.

- 17- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 18- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 19- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 20- Ground water monitoring report of premises shall be submitted within one month.
- 21- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 22- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

RAKESH KUMAR TYAGI Date: 2022 05:16 12:16:59 +05:30

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate. for information and necessary action .

RAKESH KUMAR TYAGI Digitally signed by #ARESH EUMAR TYA

CEO/EE, I/C Circle

# INDUSTRY INSPECTION REPORT (FOOD PROCESSING)

A. General section

The bar with	· · · · · · · · · · · · · · · · · · ·	Company of the Company	
Date of	inspection	1:11.01	2024

ame of the unit ithcomplete postal idress:	M/s Gulshan Polyols Ltd. 9th Km. Jansath Road, Muzaffarnagar (U.P)
patial Co-ordinates atitude & longitude)	N: 29.422521 E: 77.760538
dustry Operational status	Operational
onsent status	Unit has provided 3 separate consent i.e. two for food processing unit (Unit 1& 2) and one for Calcium Carbonate Unit. All units are installed within same premises. Details of consents are as below;  Food processing unit (Unit 1)  Consent dated 16.12.2020 & No: 97585/UPPCB/MNAGAR/CTO/water /Muzaffarnagar/ 2020 available with validity till 31.07.2025  Food processing unit (Unit 2)  Consent dated 05.07.2021 & No: 129468/UPPCB/MNAGAR/CTO/water /Muzaffarnagar/2021 available with validity till 31.07.2026  Calcium carbonate unit (Unit 3)  CCA no. 191652/UPPCB/MNAGAR/CTO/BOTH/MUZAFFARNAG
	ddress: patial Co-ordinates atitude & longitude) dustry Operational status

B. Production process and infrastructure

5.	Process	Manufacturing of processed food using agriculture produce (Rice, Maize etc.) & 1 no. of chemical (Calcium carbonate) using lime stone  Calcium carbonate process  Lime stone → sizing→ washing→ CO gas reaction in lime kiln →Quick Lime (CeO)→ Slaking with water (CaOH₂) →Screening→ Packing  Modified Starch  Maize→ Cleaning→ Steeping→ Grinding & separation→ Dryer→ Packing  Grain Processing  Grain Cleaning→ Steeping→ Grinding  →Hydrolysis→ Filtration→ Saccharification→ Ion Exchange → Four Effect Evaporator →Batch Evaporator →Packing Liquid Glucose
6.	Details of raw material	
	a. Consented value	Not mentioned in consent

b. Actual consumption

Details of raw material consumption are as below:

Unit type	Raw material	Quantity produce (MT/Month)			Total consumption	Avg. Daily Consumption
	0.0000000000000000000000000000000000000	Oct.23	Nov.23	Dec.23	(MT)	(MT/day)
Unit 1	Maize (dantcorn)	10063.66	9293.98	6966.26	26,323.9	286.13
Unit 2	Rice	176.67	1990,5	2204	4,371.17	47.51
Unit 3	Lime stone	950	743	1251	2,944	32

#### 7. Production

a. Consented value

Details are as below:

Unit Type	Product	Quantity (MT/Month)	Daily quantity (MT/day)
Unit 1	Native Starch	3750	125
(Food	Modified Starch	1500	50
processing)	Glucose/Fructose Powder	1500	50
	HFCS	900	30
Unit 2 (Food	Dextrose Mono Hydrate (DMH)	300	10
processing)	Dextrose Anhydrous (DAH)	600	20
	Malto Dextrine Powder (MDP)	1500	50
	Liquid Glucose/High Maltose Syrup	1500	50
	Sorbitol Solution	3000	100
Unit 3 (Calcium	Precipitated Calcium Carbonate	4200	140
carbonate unit)	Activated Calcium Carbonate	1800	60
THE REST OF SECTION SECTIONS	Ground Calcium Carbonate	1950	65

Daily production limit: 550 MT/D

#### b. Actual production (as per logbook)

Details of actual production are as below (from Oct.23 till 10 Jan,24)

Unit type	Product	Quantity produce (MT/Month)			Total Production	Daily Production(MT/day)
		Oct.23	Nov.23	Dec23	(MT)	
Unit 1	Liquid Glucose	14	36.4	39.2	89.6	1.0
Unit 2	Modified Starch	6460.54	5786	4728	16,974.54	184.5
	By product	1956.75	2012.2	1961.53	5,930.48	64.46
	Fructose Powder	30	1140	1536	2,706	29.4
Unit 3	Precipitated Calcium Carbonate	950	743	1251	2,944	32

Calcium carbonate: 32MT/day

c. Estimated daily production Maize product: 248.96 MT/day
Rice Product (Liquid glucose + powder
fructose):30.4

the state of the s	Total production: 311.36 MT/day
d. Yield (%)	Maize product: 87 %
	Rice Product: 64 %
1	Calcium carbonate: 100%

#### 8. Fresh water consumption

a. NOC from CGWA/other authorized body
 Unit has provided UPGWB NOC for 4 borewells. Details are as below;

Unit	Borewell no.	Abstraction limit (KLD)	NOC validity
Unit 1	BW-1	850	16.10.2026
Unit 2	BW-2	1144	10.10.2025
Unit 3	BW-3	504	05.06.2025
	BW-4	1125	12.05.2027

b. Details of borewell	Four borewells with sealed flow meter found installed					
c. Permitted withdrawal quantity	3623 KLD					
d. Actual withdrawal quantity	38675 P Decemb	(L (as per log er,23)	book data from	Oct. 23 to		
	Unit	Borewell	Total abstraction (KL)	Daily abstraction (KLD		
	Unit 1	BW-1	54,074	587.76		
	Unit 2	BW-2	22,573	245.36		
	Unit	BW-3	0.0	0.0		
	3	BW-4	707	7.68		
5.11		- 1020-253	10 3000000			
e. Estimated daily withdrawal quantity	840.8 KLD					
f. Specific fresh water consumption	840.8/3	11.36= 2.7K	L/MT of product			

 Groundwater Analysis Report- Quality of Groundwater is compared with Bureau of Indian Standard (BIS) Drinking Water — Specification (Second Revision) IS 10500: 2012.
 Sample location: Borewell 2
 Depth: 190 ft.

Parameters→	Colour	pH	Total Alkalinity	Total Hardness	COD	TDS	CI-
Permissible Limit→	15	6.5- 8.5	600	600		2000	1000
Sample→	BDL	8.0	285	286	BDL	250	16

Parameters →	As	Cd	Cr	Cu	Fe	Pb	Mn	NI	Zn	Sb	v
Permissible Limit→	0.05	0.003	0.05	1.5	0.3	0.01	0.3	0.02	15	25001	-
Sample $\rightarrow$	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	0.01	BDL	BDL

\*all values are in mg/l except pH and Colour (PCU)

9. Effluent Management

a. Consente	d discharge value	6	2975 KLD				
b. Actual eff (as per lo	went generation gbook)		71974 KL (From Oct 23 to 10 Jan. 24 from all 3 unit. No separate flow meter provided for meterinat effluent generation points)				
c. Estimated	daily effluent ge	neration	705 KLD	eneration p	Offics)		
	ycling of treated		No recycling.				
within pro			ino i coj cang	2.			
e. Actual eff (as per lo	uent Discharge gbook)		68532 KL (Fi	rom Oct 23	to 10 Jan. 24	)	
f. Daily efflu	ent discharge		672 KLD	_	_		
g. Losses in	ETP %		4.5 %				
	fluent discharge		672/311.36=	2.16KL/T	of produce		
	Discharge point			to Dhande			
	atment plant (	ETP)			0.010111		
a. ETP cons	3.00.00	separate parallel streams consist of Equalization tank, buffer tank, anaerobic treatment (digesters), primary clarifier and biological treatment followed by common secondary clarifier and filtration system					
b. Installed capacity c. Metering at ETP			3000 KLD combined ETP (as per UPPCB CCA) was provided for treatment of effluent generated in all units				
			ETP inlet	at inlet logboo	Not provided at ETP inlet, however, flow meters are provide at inlet of each bio-digester and logbooks maintained.		
			Recycling points	1 2 3 2	No recycling		
			ETP outlet	provided			
d. Operatio	nal status of ETP		Operation				
					n tank: 5324/		
	t ETP outlet		Value indicate that biological system is stabilized OCEMS was not installed at outlet of ETP				
	Characteristics			Astonista.	2820	100	
Parameter	(Tank 1)		(cloth washing)	Outlet	Norms as per consent	Complianc w.r.t. consent	
pH	4.2	4.0	5.3	7.3	6.5-8.5	Compliance	
Oil & Grease			-	22	10	Non- Compliance	
BOD (mg/l)	3012	1048	-	79	30	Non- Compliance	
COD (mg/l)	8496	3462	3123	268	250	Non- Compliance	
TSS (mg/l)	543	501	553	130	100	Non- Compliance	
	ge generation			-	un vivi		
legbook)	sludge generatio	n (as per	ETP sludge 9	32Kg (Fron	Oct 23 to 10	Jan. 24)	
	ge generation		10 Kg/day				
d. Estimated	udge generation sludge generation	on @ 30 %	0.03 kg/T of 11.4 kg	product.			
	S load at aeratio		As informed dewatered sludge used in gardening and nursery as manure				

	Air Pollution management		and nutrient conti				
	a. Boiler capacity	24 TPH working & 20 TPH as standby					
	b. Stack details	Stack (Common for both) Height -65 m, diamete					
	c. APCD installed	Mark Cond. Commission of the Condense of the C	Electrostatic Proc	initator (ECD)			
	c. APCD installed Dust collectors, Electrostatic Precipitator (ESP) d. Estimated steam requirement Around 500 T/day						
	e. Fuel used Coal and rice husk						
	f. Fuel consumption (as per logbook)		Oct 23 to 10 Jan	245			
	g. Daily fuel consumption	156 MT/D	1 OCI 23 (0 10 Jan	1. 24)			
	h. Actual Ash generation	A CONTRACTOR OF THE PARTY OF TH	Oct 23 to 10 Jan.	241			
	(As per logbook)	Or 40 T/day	OCC 23 to 10 Jan.	24)			
	i. Estimated ash generation @ 8 % of rice husk and @ 35 % of coal	of Details of estimated ash generation from Oct 23					
	consumed	Particular	Fuel quantity (T)	Ash produce (MT)			
		Coal	11,447	4,006.45 (35%)			
		Rice (Husk)/ Bran	3,973	317.84 (8%)			
		Total		4,324			
		Estimated daily					
	j. Disposal of ash generated	Estimated daily ash generation 43.7 MT/day, Disposed of in low laying area via. Agreement with the farmers Date of Monitoring: 03/02/2024 by UPPCB Particulate Matter (PM): 41.3 mg/Nm³ against standard of 80 mg/Nm³, Complying					
	k. Stack monitoring results						
	Remark Actual ash generation (40 MT/D) is in line of current production rate. However, unit has	with the estimate to ensure safe d	d ash generation isposal of generati	(43.7 MT/D) at ed ash.			
12.	Actual ash generation (40 MT/D) is in line of current production rate. However, unit has Hazardous waste management Authorization status	to ensure safe di Not available	sposal of generati	ed ash.			
12.	Actual ash generation (40 MT/D) is in line of current production rate. However, unit has Hazardous waste management	Not available As informed by	sposal of generation	ed ash.			
12.	Actual ash generation (40 MT/D) is in line of current production rate. However, unit has Hazardous waste management Authorization status	to ensure safe di Not available	sposal of generation	ed ash.			

- k. The analysis results of samples collected from ETP outlet, on inspection day on 11.01.24, shows pH: 7.3 (against the norms of 6.5-9), COD: 268 mg/l (against the norms of 250 mg/l), BOD: 79 mg/l (against the norms of 30 mg/l), TSS: 130 (against the norms of 100 mg/l) and Oil & Grease 20 mg/l (against the norms of 10 mg/l). Results indicate that unit is non-complying w.r.t notified discharge norms for BOD, COD, TSS and O&G.
- I. The analysis results of samples collected from ETP outlet discharge into Dhandera drain on 03.01.2024 during drain monitoring, shows pH: 8.1 (against the norms of 6.5-9), COD: 251 mg/l (against the norms of 250 mg/l), BOD: 59 mg/l (against the norms of 30 mg/l) and TSS: 190 (against the norms of 100 mg/l). Results indicate that unit is non-complying w.r.t notified discharge norms for BOD, COD and TSS.
- m. Effluent from ETP outlet discharged in to Dhandera drain.

#### **Key Issues:**

- Unit has not obtained Authorization under Hazardous waste management rules from UPPCB.
- ii. OCEMS was not installed at outlet of ETP.
- iii. Flow meters at water consumption points in major sections are not installed.
- iv. Flow meters are not installed at effluent generation points of all 3 units.
- v. Unit found non-complying w.r.t notified discharge norms for BOD, COD, TSS and O&G.

#### 14. Compliance Status

Overall compliance status: Non-complying for the following;

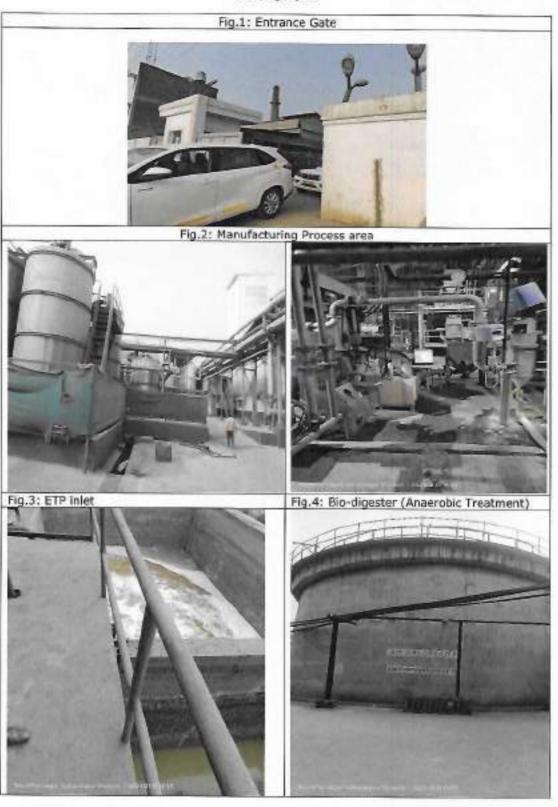
- · notified discharge norms
- hazardous waste authorisation
- OCEMS at ETP outlet

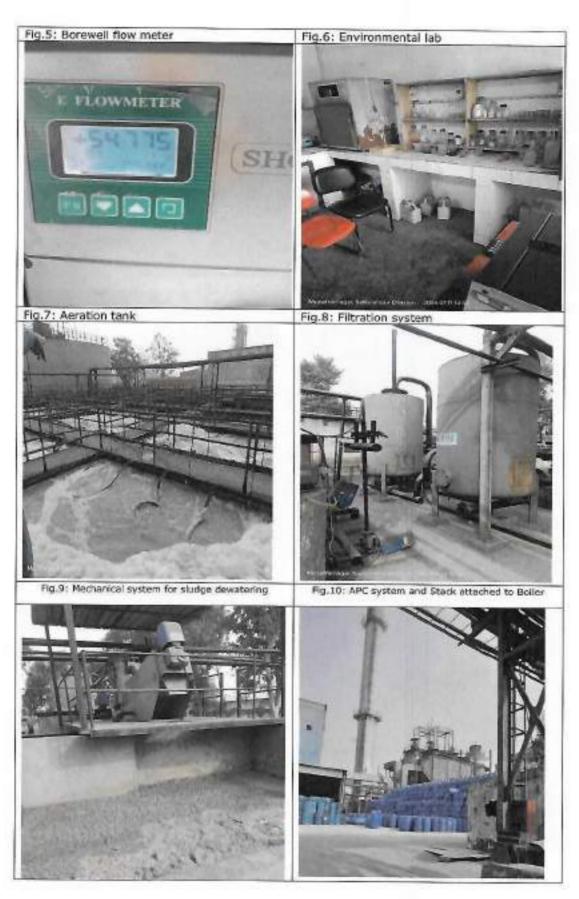
#### 15. Recommendations:

- a. Unit shall install flow meters at inlet points of ETP.
- b. Unit shall install flow meters at all fresh water consumption point of all 3-production unit.
- c. Unit shall ensure marking and color coding of all ETP lines.
- d. Unit shall install OCEMS at ETP outlet and ensure 24x7 connectivity with CPCB/UPPCB servers for continuous monitoring.

6.	THE RESIDENCE OF THE PARTY OF T							
	S.No.	CPCB officials	Designation	Organisation	Signature with date			
-	1	Mr. C.B. Chourasia	Scientist E	CPCB, Delhi	3450			
ì	2	Mr. Vipin Kumar	RA-III	CPCB, Delhi	Olbin Kurnat			
- 1	3	Dr. Vivek Rana	RA-I	CPCB, Delhi	VRave.			
	S.No.	SPCB/UPGWD officials	Designation	Organisation	Signature with date			
	1	Mr. Y.K. Mishra	AEE	UPPCB	X			
	2	Mr. Pushkar Singh	TA	UPGWD	4			

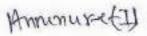
## Photographs





Page 8 of 9







## Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Emsil: isfo@uppeb.in, Website: www.uppeb.com

191652/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 29/11/2023

To.

M/s

GULSHAN POLYOLS LIMITED CALCIUM CARBONATE UNIT

9th Km. Jansath Road, Vill. Shernagar, Muzaffarnagar ,MUZAFFAR NAGAR,251001

Application Id-22513327

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to GULSHAN POLYOLS LIMITED CALCIUM CARBONATE UNIT located at 9th Km. Jansath Road, Vill. Shernagar, Muzaffarnagar, MUZAFFAR NAGAR,251001. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:-

 This CCA GULSHAN POLYOLS LIMITED CALCIUM CARBONATE UNIT granted for the period from 29/11/2023 to 31/12/2027 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	PRECIPITATED CALCIUM CARBONATE -4200 MT/MONTH	4200	Metric Tonnes/Month
2	ACTIVATED CALCIUM CARBONATE -1800 MT/MONTH	1800	Metric Tonnes/Month
3	GROUND CALCIUM CARBONATE -1950 MT/MONTH	1950	Metric Tonnes/Month
4	1 X 2.75 MW TURBINE	2.75	Megawatt
5	1 X 2.0 MW TURBINE	2.0	Megawatt

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	25 KLD THROUGH COMBINED ETP	ETP	IRRIGATION/GR EEN BELT/DHANDER A DRAIN/KALI RIVER WEST

Domestic	1350 KLD THROUGH COMBINED ETP	ETP	IRRIGATION/GR EEN BELT/DHANDER A DRAIN/KALI RIVER WEST
----------	-------------------------------------	-----	--

(ii) Trade Effluent Treatment and Disposal:-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:-

## Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	pH	AS PER E(P) RULES, 1986
2	BOD	AS PER E(P) RULES, 1986
3	COD	AS PER E(P) RULES, 1986
4	TOTAL SUSPENDED SOLIDS (TSS)	AS PER E(P) RULES, 1986
5	OIL AND GREASE	AS PER E(P) RULES, 1986

(iv) Sewage Treatment and Disposal: The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards			
_ 1	pH	AS PER E(P) RULES, 1986			
2	BOD (mg/L)	AS PER E(P) RULES, 1986			
3_	TSS (mg/L)	AS PER E(P) RULES, 1986			
4	Fecal Coliform (MPN/100ml)	AS PER E(P) RULES, 1986			

# 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

#### Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
-------	----------------------------	--------------	----------	-------------------	--------------------

1	1 X 24 TPH Boiler with Electro Static Precipitator (ESP), 1 X 20 TPH Boiler with Electro Static Precipitator (ESP)	Biomass Fuel/Rice Husk-375 MT/Day Or Low Sulphur Coal- 325 MT/Day. Only approved Fuel is permitted as per direction given by CAQM.	01	Particulate Matter	65 METER COMBINED STACK HEIGHT FROM GROUND LEVEL
---	--	--	----	-----------------------	--

### **Emmission Quality Standards**

S No.	Stack no	Parameters	Standards
1	01	Particulate Matter	AS PER CAQM DIRECTION

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

- (ii) The unit will not use any type of restricted fuel.
- iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:

  Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industria Area		Commercial Area		Residential Area		Silence Zone	
	Day Time			Night Time		Night Time	Day Time	Night
	75	70	65	55	55	45	50	40

- 4. Essential documents to be submitted by the Industry/Unit as Applicable :-
- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upecp.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.

8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

#### General Conditions:-

- The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- Treated Industial waste water and domestic waste water shall be disposed jointly at one disposal point.The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution
  Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
- 7. The industry shall provide Inspection Book at the time of inspection to the Board's officials,
- 8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- 12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

#### Specific Conditions:-

- 1. This CTO is valid only for the production capacity of PRECIPITATED CALCIUM CARBONATE -4200 MT/MONTH, ACTIVATED CALCIUM CARBONATE -1800 MT/MONTH, GROUND CALCIUM CARBONATE -1950 MT/MONTH by Using Raw Material as LIME STONE 7750 MT/MONTH and 2.75 MW TURBINE, 2.0 MW TURBINE only at site 9TH KM. JANSATH ROAD, VILLAGE-SHERNAGAR, DISTRICT-MUZAFFARNAGAR, U.P. PIN-251001.
- The industry must comply the conditions of NOC issued to unit from UPGWD for abstraction of Ground Water.
- 3. No plant and machinery shall be installed in the industry without obtaining prior CTE from UPPCB.
- 4. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.

PRADEEP SHARMA S

- The industry must install STP within 3 months for treatment of domestic effluent and submit the proposal for the same in the Board within one month.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board by LIMS Portal.
- 7. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 11. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 12. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 13. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 14. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 15. The industry shall operate as per norms 1 X 24 TPH Boiler with Electro Static Precipitator (ESP), I X 20 TPH Boiler with Electro Static Precipitator (ESP) and 65 meter combined stack height from ground level.
  2.75 MW Turbine connected with 24 TPH Boiler and 2.0 MW Turbine connected with 20 TPH Boiler. Fuel for boiler is Biomass Fuel/Rice Husk-375 MT/Day Or Low Sulphur Coal- 325 MT/Day. Only approved Fuel is permitted as per direction given by CAQM.
- 16. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 17. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM at point no. 65.
- 18. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 19. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 20. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 21. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.

  PRADEEP

  Outsite Superdistributions

  Outsite Superdistribution

  Outsite Superdistribution

  Outsite Superd

PRADEEP Ogicali squadin Prodect SHARMA Out 1823 1228 1258 144 107 50

- 22. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 23. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 24. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEP&CC, CPCB and SPCB in time to time.
- 25. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 26. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 27. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 28. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 29. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P Rules 1986.
- 30. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 31. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 32. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 33. Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 34. The unit shall submit the audited balance sheet for the current year.
- 35. The industry shall establish Miyawaki forest inside the factory premises in sufficient area the treated effluent from the ETP shall be used for forestation/irrigation within premises.
- 36. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

PRADEEP SHARMA

Digitally signed by PRADEEP SHAPMA Date: 2023 12:20 22:40:18 405:30

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA Digitally signed by PRADEEP SHARMA Delet 2023.12.20.22.43.21 +35730



## UTTAR PRADESH POLLUTION CONTROL BOARD

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831, Fax: 0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

#### CONSENT ORDER

Ref No. -97585/UPPCB/MuzaffarNagar(LAB)/CTO/water/ MUZAFFARNAGAR/2020

To.

Shri AK VATS

M/s GULSHAN POLYOLS LIMITED FOOD PROCESSING UNIT

9th Km. Jansath Road, Vill. Shernagar, Muzaffarnagar, MUZAFFAR NAGAR, 251001

MUZAFFARNAGAR

Sub: Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974 (as amended) for discharge of effluent to M/s. GULSHAN POLYOLS LIMITED FOOD

PROCESSING UNIT

Reference Application No :8937023

Dated :16/12/2020

Dated: 16/12/2020

- For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act, 1974 as amended (here in after referred as the act ) M/s. GULSHAN POLYOLS LIMITED FOOD PROCESSING UNIT is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure, in refrence to their foresaid application.
- This consent is valid for the period from 01/01/2021 to 31/07/2025.
- In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended.

This consent is being issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board

SINGH ANKIT

Digitally signed by SINGH ANKIT Date: 2020,12.16 12:32:17 +05'30'

Regional Officer UPPCB, Muzaffarnagar

Enclosed: As above (condition of consent):

Copy to: CEO-3, UPPCB, Lucknow.

Regional Officer UPPCB, Muzaffarnagar

# U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s,GULSHAN POLYOLS LIMITED FOOD PROCESSING UNIT vide

Consent Order No. 8937023/ Water

Dated: 16/12/2020

### CONDITIONS OF CONSENT

 This consent is valid only for the approved production capacity of Native Starch 3750 MT/Month, Modified Starch 1500 MT/Month, Glucose/Fructose Powder 1500 MT/Month, HFCS 900 MT/Month.

The quantity of maximum daily effluent discharge should not be more than the following:

	Effluent Disc	charge Details	
S.No	Kind of Effulant	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	50	Septic Tank
2	Industrial	950	Septic Tank

3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain.

4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent.

+	Domestic Effulant	
S.No	Parameter	Standard

4(b). The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms. .

Industrial Effulant			
S.No	Parameter	Standard	
1	Quantity of Discharge	950	
2	Total Suspended Solids	As per E.P. Rules	
3	BOD	As per E.P. Rules	
4	COD	As per E.P. Rules	
5	Oil & Grease	As per E.P. Rules	

- Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Act, 1986 or otherwise mandatory.
- The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry.
- The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
- The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained.
- 9. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

SINGH Digitally signed by since Notice ANKIT Base 1000,12.16

I-The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant,

2-The E.T.P. unit operation line up Strengthening is to be maintained.

3-Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized. 4-The industry must be submit the balance consent fee, if fee slab changes as per balance sheet in subsequent years.

5-The industry will have to ensure permission from the CGWA before groundwater extraction and it will be the responsibility of the industry to comply with the various conditions of the permission

6-If the CPCB or UPPCB issues the Closure order against the industry this consent order stands

automatically cancelled.

Unit should comply the provisions of Water (Prevention and Control of Pollution) Act 1974 as Amended and Environment (Protection) Act, 1986, and direction issued by Hon'ble National Green Tribunal, New Delhi.

8. Unit should develop minimum green belt 20 meter wide around premises or 33% total area of land whichever is minimum, covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H- 16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

9. The board have right to modify any condition as & when require in compliance of any change in

environmental guide lines and Hon'ble courts orders passed time to time,

 Industry shall comply with various Waste Management Rules as notified by MoEf&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016

11. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/discharge/plant machinery failing

which consent would be deemed void.

12. Industry shall abide by directions given by Hon'ble Supreme Court, High Court, National Green Tribunals, Central Pollution Control Board and Uttar Pradesh Pollution Control Board for protection and safeguard of environment from time to time.

Issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board .

Digitally signed by SNGH ANKIT Date: 2020.12.16

Regional Officer ANKIT 12:32:47 +05'30 UPPCB, Muzaffarnagar



### UTTAR PRADESH POLLUTION CONTROL BOARD

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831, Fax: 0522-2720764, Email: info@uppeb.com, Website: www.uppeb.com

#### CONSENT ORDER

Ref No. -129468/UPPCB/MuzaffarNagar(UPPCBRO)/CT O/water/MUZAFFARNAGAR/2021

To,

Shri AK VATS

M/s GULSHAN POLYOLS LTD FOOD PROCESSING UNIT 9th Km Jansath Road Muzaffarnagar ,MUZAFFAR NAGAR,251001

MUZAFFARNAGAR

Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974 Sub: (as amended) for discharge of effluent to M/s. GULSHAN POLYOLS LTD FOOD

PROCESSING UNIT

Reference Application No :12533703

Dated:05/07/2021

Dated: 05/07/2021

- For disposal of effluent into water body or drain or land under The Water (Prevention and control of 1. Pollution) Act,1974 as amended (here in after referred as the act ) M/s. GULSHAN POLYOLS LTD FOOD PROCESSING UNIT is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application.
- This consent is valid for the period from 01/08/2021 to 31/07/2026. 2.
- In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board 3. reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board

ANKIT

SINGH Digitally signed by SINGH ANKIT

Date: 2021.07.05 19:02:54 +05'30" Regional Officer

UPPCB, Muzaffarnagar

Enclosed: As above (condition of consent):

Copy to:

Regional Officer UPPCB, Muzaffarnagar

# U.P. POLLUTION CONTROL BOARD, LUCKNOW

# Annexure to Consent issued to M/s.GULSHAN POLYOLS LTD FOOD PROCESSING UNIT vide

Consent Order No. 12533703/ Water

#### Dated: 05/07/2021

#### CONDITIONS OF CONSENT

 This consent is valid only for the approved production capacity of Dextrose Mono Hydrate (DMH) 3000 MT/Month Dextrose Anhydrous (DAH) 600 MT/Month Malto Dextrine Powder (MDP) 1500 MT/Month Liquid Glucose/High Maltose Syrup 1500 MT/Month Sorbitol Solution 3000 MT/Month.

The quantity of maximum daily effluent discharge should not be more than the following:

	Effluent Disc	charge Details	
S.No	Kind of Effulant	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	1.0	Septic Tank
2	Industrial	650	ETP

3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain.

4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent.

	Domestic Effulant	
S.No	Parameter	Standard

4(b). The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms.

	Industrial Effulant	
S.No	Parameter	Standard
1	Quantity of Discharge	650
2	Total Suspended Solids	As per E.P. Rules
3	BOD	As per E.P. Rules
4	COD	As per E.P. Rules
5	Oil & Grease	As per E.P. Rules

- Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from
  washing of floor and equipments etc should be treated before its disposal with treated industrial
  effluent so that it should be according to the norms prescribed under The Environment (Protection)
  Act,1986 or otherwise mandatory.
- The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry.
- The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
- The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained.
- 9. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

1-The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant,

2-The E.T.P. unit operation line up Strengthening is to be maintained.

3-Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized. 4- The industry must be submit the balance consent fee, if fee slab changes as per balance sheet in subsequent years.

5-The industry will have to ensure permission from the State Ground Water Authority before groundwater extraction and it will be the responsibility of the industry to comply with the various

conditions of the permission taken.

6- If the CPCB or UPPCB issues the Closure order against the industry this consent order stands

automatically suspended for that period.

7. Unit should comply the provisions of Water (Prevention and Control of Pollution) Act 1974 as Amended and Environment (Protection) Act, 1986, and direction issued by Hon'ble National Green Tribunal, New Delhi.

8. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt, 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

The board have right to modify any condition as & when require in compliance of any change in

environmental guide lines and Hon'ble courts orders passed time to time.

10. Industry shall comply with various Waste Management Rules as notified by MoEf&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016

11. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/discharge/plant machinery failing

which consent would be deemed void.

12. Industry shall abide by directions given by Hon'ble Supreme Court, High Court, National Green Tribunals, Central Pollution Control Board and Uttar Pradesh Pollution Control Board for protection and safeguard of environment from time to time.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

SINGH Dugitally signed by SINGH ANKIT ANKIT Date: 2021.07.05 19:01:22 +05'30'

Regional Officer UPPCB, Muzaffarnagar



# GROUND WATER DEPARTMENT

(Rememi Gange & Bural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER) AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG027113

VALID FROM 13/05/2022 TO 12/05/2027

Registration No.: 202202000255

Name of the Owner

ASHWANIKUMAR VATS

Address of the Applicant

9th Km Jansath Road.

Application Form Serial No.

MZFN0222RIN0095

Date of Submission

18/02/2022

Muzattamagar

Specimen Signature

Company Name

GULSHAN POLYOLS LTD

Company Address

9 TH KM STONE. JANSATH ROAD. MUZAFFARNAGAR

Location Particulars

District

Muzaffar Nagar

Block

Municipal

Corporation/Nagar Palika Parished, Muzaffar Nagar

Plot No.iKhasra No.

1042

Municipality/Corporation

No

Ward No./Holding No.

N/A

Particular of the Existing Well and Pumping Device

Date of Construction/Sinking of 01/01/1982

the Well

Type of Well

Tube Well/Boring

Depth of the Well (in meter)

75.00

Purpose of well

Industrial

Assembly Size(For Tube Well)

Strainer Position (For Tube Well)

Type of Pump Used

Submersible

H.P. of the Pump

22.00

Operational Device

Electric Motor

Rate of Withdrawal (m3/hr.)

75.00

Date of Energization (In Case of Electric Pump)

01/01/1982

Maximum Allowable Rate of

Withdrawal (m3/hr.):

75.00

Maximum Allowable Running Hours Per Day:

15.00

Maximum Allowable Annual

Extraction of Ground Water:

337500

Recharge Required

337500.00

Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण PREVIOUS CGWA NOC HAD EXPIRED

Against Case

- . This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (3) for extraction of ground water at a rate not exceeding that as shown at St. (3j), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 337500.00 cubic meter, as specified under the application form.

#### Conditions

- (1) In case of any change of ownership of the proposed wall, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at cutlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said. user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (S) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- . (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this conflicate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation
- (7) in case, any of the particulars ( information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Piszometer is a borewell itube wall used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment, It is also used to take water sample for water quality testing whenever needed. General guidelines for installation of plezometers are as follows for compliance of NGC:
- The plezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the plazometer should be about 4" to 8".
- . The depth of the plezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- + No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

	S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Mo	nitiring Mechanism
			1	Manual	DWLR with Telemetry
	1	< 10	0	0	0
	2	11 - 50	1	•	
	3	50+500			U
	4	> 500		0	1
1	Thomas	- aud	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimals.
- \* For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with talometry system should be used for accuracy.
- . The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- . All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November). periods. Quality may be got analyzed from NABL approved tab. Besides, one sample (1 lt. capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number. depth and zone tapped of piezometerlube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following
- + I) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt letest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation. of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries certified auditors and submit audit reports within three months of completion of the same to Ground Water Department, Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next. five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>/day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well-production well. Depth and equifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vf) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical Petrochemical, Coal washorise, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific
- it in case of infrastructure projects that require dewatering, proportent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the date online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date :17/10/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



# 457 about:blank GROUND WATER DEPARTMENT

Ministry of Jal Shakti Government of Uttar Pradesh

# Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)
AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG041826

VALID FROM 25/04/2022 TO 05/06/2025

Serial No.: 202203000296

Name of the Owner

ASHWANIKUMAR WATS

Address of the Applicant

9th Km Jansaft Road,

Application No.

MZFN0322RIN0103

Da. Jf Submission

15/03/2022

Muzaffamagar

Specimen Signature

Company Name

GULSHAN POLYOLS LTD

Company Address

9TH KM STONE, JANSATH

ROAD, MUZAFFARNAGAR

Location Particulars

District

Muzaffar Nagar

Block

Municipal Corporation/Nagar

Palika Parishad, Muzaffar

Nagar

Plot No./Khasra No.

1054

Municipality/Corporation

No N/A

Ward No./Holding No.

Particular of the Existing Well and Pumping Device

Date of Construction/Sinking of

the Well

01/01/1982

T) of Well

Tube Well/Boring

Depth of the Well (In motor)

55.00

Purpose of well

Industrial

Assembly Size(For Tube Well)

Strainer Position (For Tube Well)

Type of Pump Used

Submersible

H.P. of the Pump

01/01/1982

Day:

7.50

Operational Device

Electric Motor

Rate of Withdrawal (m3/hr.)

42.00

Date of Energization (in Case of Electric Pump)

Maximum Allowable Rate of

Withdrawal (m3hc):

42.00

Maximum Allowable Running Hours Per

12.00

Maximum Allowable Annual Extraction of Ground Water:

151200

Recharge Required

151200.00

Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण PREVIOUS COWANCO HAS EXPIRED

Against Case

# 458 about blank

- This bio-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified for extraction of ground water at a rate
  not exceeding that as shown at SL (3j), for Running Hours per day, and for maximum allowable annual extraction of ground water and is valid
  subject to the observance of the conditions stated overleat.
- Holder of this NOC is hereby directed to assure annual recharge of 151200,00 cubic mater, as specified under the application form.

#### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  contribute shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  maters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at
  outlat of purpoing devices and it shall be presumed that the quantity recorded by the mater has been extracted by the said user, until the contrary
  is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hexards or any other reasons, if the situation so demands;
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  registration.
- (7) in case, any of the perticulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is table for cancellation.
   (8) The Confidence of Authorization NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for

renewal disough a fresh application, at least ninety days prior to expiry of its validity.

- (9) Construction of piezomolers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone
  tipped of piezomater should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made
  available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Plezometer is a barewell /tube well used only for measuring the water level by lowering the tape/ souncer or automatic water level measuring equipment. It is also used to take water sample for water quality testing whonever needed. General guidelines for installation of piezometers are as follows for sampliance of NOC:
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping wall through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one
  plezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper
  ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

	5.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitiring Mechanism	
		7. 70	and a second second	Manual	<b>DWLR</b> with Telemetry
-	1	<10	0	0	0
	2	11 - 50	1	1	0
	3	50-500	1	0	1
	4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meler up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in prozometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for tringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (MayJune) and post-monsoon (October/November) periods.
   Quality may be got analyzed from NASL approved lab. Besides, one sample (1 it. capacity hottle) to the concerned Director, Ground Water Department, Ultrar Pradesh, for chemical analysis.
- A Parmanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect curing verification at any subsequent stage, this permit is liable for cancellation.
- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:

- 459 about blank
- if No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- Iii All industries shall be required to adopt latest water afficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries/ Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department, Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piozemeter)(s) within the premises and installation of appropriate water level monitoring mechanism as
  mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³/day of ground water and.
  Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance
  of 50 m from the bore well-production well. Depth and aquifer zone tapped in the prozometer shall be the same as that of the pumping well-wells.
  Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proported shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute
  ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives
  etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- w) Injection of treated/untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- it) in case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, LIP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day.
   The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date: 17/10/2022

Place: Muzaffar Nagar

This certificate is electronically generated and does not require digital signature

### INDUSTRY INSPECTION REPORT (METAL PROCESSING)

#### General section

#### Date of inspection: 27/12/2023

1.	Name of the unit with complete postal address:	M/s Avadh Alloys Pvt. Ltd., Vill Vehlna, 4.0 km Stone, Meerut Road, Muzaffamagar-251003
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	e) in 29.426530, 77.693299
3.	Industry Operational status	Dismantled

#### Consent section

4.	Air consent	Valid upto 31/07/2025	
5.	Water consent	Valid upto 31/07/2025	
6.	Hazardous waste authorization	Not provided	
7.	NOC from CGWA/other authorized body	Not provided	

#### Production section

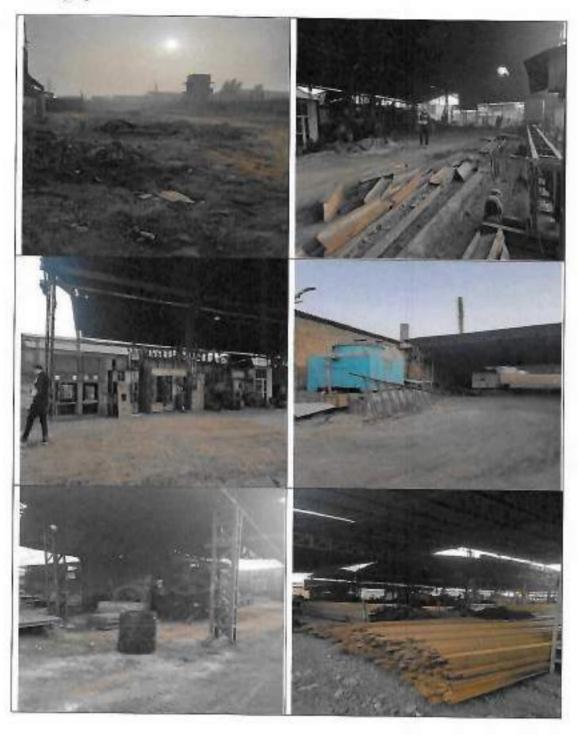
8.	Name of Final Products	MS Pipe, MS strip and MS
	(separately mention name and quantity of	Ingots
	byproducts also, if any)	2.000
9.	Consented production capacity(TPD)	MS Pipe-225 MT/month, MS strip-337.5 MT/month and MS
		Ingots-1000 MT/month

#### Observations

- Unit was inspected on 27/12/2023 and was found dismantied.
- The unit has Consolidated Consent to Operate and Authorization under Water Act, 1974 and Air Act, 1981 having validity up to 31/07/2025. The consent is valid for the production of MS Pipe-225 MT/month, MS strip-337.5 MT/month and MS Ingots-1000 MT/month.
- Unit representative informed that the operation of unit was closed since last 4-5 months due to unavailability of work.
- The inspecting team observed that no process/operation was going on inside the unit's premises which generates wastewater.
- 5. The machinery were found dismanted

Inspection team details:				
S.No.	Name of official	Designation	Organisation	Signature
1.	Dr. R. K. Singh	Scientist 'D'	CPCB Delhi	entra
2.	Dr. Prabhat Ranjan	Scientist 'B'	CPCB Delhi	on q
3.	Sh. Imran Ali	Asst. Environment Engineer	RO, UPPCB, Muzaffarnagar	Om
4.	Sh. Ashish Kumar	Hydrologist	UPGWD	0
5.	Ms. Yogita Mishra	Research Associate-II	CPCB Delhi	409/18
6.	Dr. Vivek Rana	Research Associate-I	CPCB Delhi	ilar

# **Photographs**





### Uttar Pradesh Pollution Control Board

Building: No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone-0533-2720828.2720831, Fax:0522-2720764, Email: infoscoppeb.com, Website: www.uppeb.com

158575/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAGAR/2022 Date: 02/08/2022

To, M/s

AVADH ALLOYS PVT LTD

Vill-Vehlna 4.0 km Stone Meerut Road Muzaffarnagar, MUZAFFAR NAGAR, 251003

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

Consent No-16750717 Date-02/08/2022

CCA is hereby granted to AVADH ALLOYS PVT LTD located at Vill-Vehlna 4.0 km Stone Mecrut Road Muzaffarnagar, MUZAFFAR NAGAR, 251003. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:-

 This CCA AVADII ALLOYS PVT LTD granted for the period from 01/08/2022 to 31/07/2025 and valid for manufacturing of following products with Capital Investment/Net Assets Values 967.00 Lakhs

S No	Product	Quantity	Unit
1	MS Pipe	225	Metric Tonnes/Month
2	MS Strip	337.5	Metric Tonnes/Month
3	MS Ingots	1000	Metric Tonnes/Month

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD):-

Kind of Effulant	Quantity(KLD)	Treatment facility and discharge point
Domestic	2.0	Septic Tank
Industrial	0.0	Cooling/scrubbing water shall be recycled.

(ii) Trade Effluent Treatment and Disposal:-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:-

In	dustrial Effluent Quality S	Standard
S.No.	Parameter	Standard

(iv) Sewage Treatment and Disposal: The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(v) The treated sewage shall be reused in gardening and the same shall be maintained continuously so as to achieve the quality of the treated effluent to the following standards.

Total State of the Land			
S No.	Parameters	Standards	

# 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as is required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards

> Air Pollution Source Details S No. Air Type of fuel Stack no Control Height of Pollution Device Stack Source 1 Induction Electricity 01 Particulate 30 M. high Furnace Matter from Ground Level (APCS Hood, Duct, Sincle Cyclone Type Dust Collector, Wet Scrubber) 2 LSHS Reheating 02 Particulate. 24 M. high Furnace Matter from Ground Level 3 DG Set 500 Diesel 03 Particulate 5.0 M. High KVA Matter from Nearest Rooftop DG Set 380 4 Diesel 04 Particulate 4.0 M. high KVA from Nearest Matter Rooftop

Emmission Quality Standards									
S No.	Stack no	Parameters	Standards						
1	01	Particulate Matter	As per E.P. Rules						
2	02	Particulate Matter	As per E.P. Rules						
3	03	Particulate Matter	As per E.P. Rules						
4	04	Particulate Matter	As per E.P. Rules						

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

ii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:-

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

(iii) The unit will not use any type of restricted fuel.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
		Night Time		Night Time		Night Time		Night
	75	70	65	55	55	45	50	40

- 4. This CCA is valid for the manufacturing of product as mentioned in serial no. 1 of this CCA order.
- 5. Compulsory documents to be submitted by the Industry/Unit :-
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Third Party Audit Report.
- (ii) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (iii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- 6. Unit has to apply for renewal of CCA well in advance of 60 days of expiry of this CCA,
- 7. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 8. Unit has to comply with the other general conditions as annexed herewith. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 9. In compliance to the G.O dated 1011/81-7-2021-09 (Writ)/2016 dt.13.10.2021 issued by Department of Environment. Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upecp.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent shall be revoked by the Board.
- 10. The industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO shall be revoked.

#### Specific Conditions:-

- Unit shall not discharge any kind of industrial effluent. This consent is valid for only domestic discharge.
   Cooling/Scrubbing water shall be reycled.
- Industry shall submit quarterly monitoring reports of all stacks and ambient air quality from a certified/approved laboratory.
- 3. Industry shall ensure proper operation and maintenance of Air Pollution Control Devices.
- Industry shall comply with various Waste Management Rules as notified by MoEf&CC i.e. Plastic Waste Management Rules. 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016
- Industry shall abide by directions given by Hon'ble Supreme Court, High Court, National Green Tribunals, Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Commission for Air Quality Management in Delhi-NCR and Adjoining Areas for protection and safeguard of environment from

time to time.

- 6. Unit should develop minimum green belt 20 meter wide around premises or 33% total area of land whichever is minimum, covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H- 16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upccp.in/TrainingSession.aspx.
- Exhaust stack of DG sets of 500 KVA and 380 KVA should have 5.0 meter and 4.0 meter high above from nearest roof top respectively. For control of noise, acoustic enclosure should be installed on DG Sets.
- Industry shall obtain a No Objection Certificate from U.P. Ground Water Department for abstraction of ground water and submit to this office.
- Industry shall submit first compliance report with respect to conditions imposed within 30 days of issue of this permission. Please note that consent to operate will be revoked, in case of non-compliance of any of the above mentioned conditions.

#### General Conditions:-

- The applicant shall get analyse the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UEPPCB.
- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- Treated waste water and domestic waste water shall be disposed jointly at one disposal point. The
  applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If, at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
- The industry shall provide uninterrupted entry to the STPs/ETPs inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control measures.
- The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforescen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- 12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

ANKIT Digitally signed by ANKIT SINGH Date: 2022.08.02 09:50:45 +05:30

Regional Officer UPPCB, Muzaffarnagar

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

A. General section

Date of inspection:11.01.2024

1.	Name of the unit with complete postal address:	plete postal 9.5Km,Bhopa Road, Muzaffarnagar(U.P.)					
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.468414,	77.791202				
3.	Industry Operational status	Operational					
4.	Consent status	CCA 181484/UPP and valid till Enclosed as	31,12,202		under CTO/both/MU2	ref ZAFFARNAG	nc.: AR/2023

5.	Process	Manufacturing of Kraft paper by using Waste paper					
6.	Raw material						
	a. Consented value	230 MT/day					
	b. Actual consumption	15410MT					
- 1	(as per logbook)	(from 01* October, 2023 to 31* December, 2023)					
	c. Avg. daily consumption	183,45 MT/day					
7.	Production						
	a. Consented value	190 MT/day					
	b. Actual Production	14,357.84 NT					
	(as per logbook)	(from 01st October, 2023 to 31st December, 2023)					
- 3	c. Avg. dally production	170.93 MT/day					
1	d. Yield (%)	93.17 % of raw material 6.83 % of raw material i.e. 12.53 MT/day					
	e. Non-paper waste production	6.83 % of raw material i.e. 12.53 MI/Day					
8.	Fresh water consumption						
	a. Details of borewell	Two borewells with flow meter found installed					
	<ul> <li>NOC from CGWA/other authorized body</li> </ul>	NOC for both borewells from UPGWD under Registration no. 202107000014 & 202107000015 and same are valid till 26.07.2026 Enclosed as Annexure II					
	c. Permitted withdrawal quantity	1,485 KLD					
	d. Actual withdrawal quantity	35,629 KL (from 01 <sup>st</sup> October, 2023 to 31 <sup>st</sup> December, 2023)					
	e. Avg. daily withdrawal quantity	424.16 KLD					
		2.48 KL/MT of product					
9.							
	a. Consented discharge value	300 KLD					
	<ul> <li>Actual effluent generation (as per V-Notch logbook)</li> </ul>	161640.62 KL (from 01 <sup>st</sup> October, 2023 to 31 <sup>st</sup> December, 2023)					
	c. Avg. daily effluent generation	1,924.29 KLD					
	d. Specific effluent generation	11.26 KL/MT of product					
	e. Actual effluent discharge (as per V-Notch logbook)	8919.476 KL (from 01 <sup>st</sup> October, 2023 to 31 <sup>st</sup> December, 2023)					
	f. Avg. daily effluent	106,18 KLD					

g. Specifi		t	0.62 KL/MT of p	roduct						
		n of	Dartially bear 1	Marine B.						
treated	d effluen	t within	Partially treated clarifier/ Sedicel	0	1,792.77 KLD (avg. from 01st O December, 2023)	ctober, 2023 to 3				
			Treated effluent outlet)	(from ETP	No provision for recy	cling.				
7				Total recycled 1,792.77 KLD						
			10.49 KL/MT of product							
J. Losses	III EIPS	No.	25.34 KLD × 1.32 % (of total effluent generation) against 2-3% in form of							
Effluent	treatme	ent plant (	1 HOUSENER BUILDING	erated sludge.						
CANAL CONTRACT	0553185535		Screen→Hill Clarifier→Aeratio	Screen→Eq	ualization Ta	nk→Sedicell→Prima				
b. Installed capacity			Clarifier→Aeration Tank→Secondary Clarifier→MGF  Equalization Tank- 229 m³  Sedicell- 300 m³  Primary Clarifier- 235 m³  Aeration Tank- 363 m³& 300 m³							
c. Meter	ing at ET	P	Secondary Clarifi Effluent generati		and market and saved					
P: 10   S-200   20		200	Partially treated		y V-notch provided					
			Recycling point	Tree contracts	gbook maintained					
			Effluent Discharg	e Yes, lo reading	gbook maintained on	the basis of V-not				
	tional sta	stus of	Operational resuling.							
ETP			Flow at inlet: 07 cm ≈ 3.68 m³/hr.							
1250052			MLVSS/MLSS in aeration tank 1: 1722/4480 = 0.38 MLVSS/MLSS in aeration tank 2: 2008/5398 = 0.37 against 0.6 to 0.8							
e. OCEM:	S at ETP	outlet	OCEMS was found installed at outlet of ETP & connected with CPCB & SPCI servers.							
f. OCEM:	S value		Flow- 2.92 m <sup>3</sup> /h mg/l	Flow- 2.92 m <sup>3</sup> /hr, BOD-16.15 mg/L, COD- 143.89 mg/L and TSS- 14.2 mg/l pH sensor was sowing error.						
Effluent	Charact	eristics	T pri sensor was so	wing error.						
i. Specifi j. Losses  Effluent a. ETP of b. Install c. Meteri d. Opera ETP e. OCEMS  Effluent f. OCEMS  Effluent Parameter  PH Color (Hazen) BOD (mg/l) COD (mg/l) TSS (mg/l) TDS (mg/l) TDS (mg/l) AOX (mg/l) Sulphide	Effluent Characteristics Parameter ETP ETP inlet outlet		Norms as per consent	Compliance w. consent	r.t. Norms as per notified by MoEF&CC	Compliance w.r. notified norms				
	7.1	8.1	6.5-8.5	Comply	7.0-8.5	Comply				
	05	60	<150	Comply		Comply				
BOD	538	47	<20	Non-compl	у 30	Non-comply				
COD	1319	207	<150	Non-compl	y 350	Comply				
TSS	1238	29	<30	Comply	50	Comply				
(mg/l) TDS	1128	1932	<1600	Non-compl		55500.2350				
A CONTRACTOR OF THE PARTY OF TH		S255			γ -					
		- 0.89 <8 (0.55 g/T of product) - 08 -		Comply	1.5 kg/T of product	Comply				
AOX (mg/l)				-	-	-				
AOX	9	08								
AOX (mg/l)	3	3.0	-	-						

- 1	ETP Sludge generation								
	a. Biological sludge generation (as per logbook)	645 kg (from 01st October, 2023 to 31st December, 2023)							
1	b. Daily sludge generation	7.68 kg/day							
İ	c. Specific sludge generation	0.045 Kg/MT of product							
	d. Estimated sludge generation @ 30 % of inlet TSS load	714.68 kg/day (against 0.42% of product)							
1	e. Sludge Management & disposal	Provided to BOWML (TSDF) for final disposal Form 10 & membership provided as record							
	f. Remarks	The logbook data provided for sludge generation is much less than the estimated value of sludge generation, which indicate logbook is not maintained properly.							
1.	Non-paper solid waste management (Plastic Waste)								
	Non-paper solid waste generated (as per logbook)	385.25 MT (from 01st October, 2023 to 31st December, 2023). Plastic waste is being supplied to M/s K K Duplex & Paper Mills Pvt. Ltd. and M/s Nuvoco Vistas Corporation Ltd. for further processing/disposa (agreement copy provided by unit)							
	b. Avg. Daily waste generation	4.59 MT/day							
1	c. Specific Non-paper solid waste generation	2.68% of product							
	d. Potential solid waste generation @3.5 %	5.98 MT/Day (estimated) against 4.59 MT/Day (as per logbook) Actual non-paper solid waste (plastic waste) generation is less than the estimated value, which indicate logbook is not maintained properly.							
2.	of paper estimated value, which indicate logbook is not maintained properly.  Air Pollution management								
- 1	a. Boiler capacity	10 TPH & 12 TPH							
	b. Stack details	Stack Height -105 ft.							
	c. APCD installed	Dust Collector and Wet scrubber							
	d. Estimated steam requirement @ 1.8 T/T of paper produce	307.674 T/day							
	e. Name of the Fuel used	Husk, Coal, Wooden chips, Bagasse							
	f. Fuel consumption (as per logbook)	Husk Coal Wooden Bagasse (MT) (MT) Chips (MT) (MT)  3,035.6 2,877.94 1,325.59 438.39  Total Fuel= 7,677.52 MT (from 01st October, 2023 to 31st December, 2023)							
	g. Estimated Fuel consumption @ 03 T steam/ T of Fuel	102.56 T/day							
	h. Avg. Daily fuel consumption	91.399 MT/day							
	i. Avg. Daily ash generation	11.35 T/day (avg. from 01st October, 2023 to 31st December, 2023)							
	<li>j. Ash generation w.r.t of fuel consumed (%)</li>								
	k. Estimated ash generation								
	Disposal of ash generated	(contract copy & invoice provided by the unit).							
13.		(contract copy & invoice provided by the unit).  PM-47.4 mg/Nm³(against 80 mg/Nm³)							

	Enclosed as Annexure I
Copy of agreement with recyclers /TSDF	Available with Bharat Oil & Waste Management Ltd. Kanpur
Hazardous waste generated	PVA Can- 15 kg, Cotton Waste- 05 Kg, ETP sludge- 540 Kg and Waste oil- 70 ltr. (as per last form 10)

# 14. Ground water Analysis results Borewell within the premises near office of the unit)

Parameters	рН	Color	COD	TDS	Total Hardness	Total Alkalinity	CI.	504-	F	NO <sub>3</sub>
Acceptable limit as per BIS IS 10500:2012	6.5- 8.5	05		500	200	200	250	200	01	45
Results	8.0	BDL	BDL	342	238	193	28	39	0.23	2.17
Parameters	NO <sub>2</sub> -	Na+	K+	Ca	Mg	PO <sub>4</sub> 3-	Cond.	As	Cd	3.17 Co
Acceptable limit as per BIS IS 10500:2012				75	30	*	34	0.01	0.003	*
Results	BDL	14	05	67	17	BDL	511	BDL	BDL	DDI
Parameters	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	V	BDL Zn
Acceptable limit as per BIS IS 10500:2012	0.05	0.05	0.3	0.1	0.02	0.01	-	0.01	-	05
Results	BDL	BDL	0.07	0.03	BDL	BDL	BDL	BDL	BDL	0.02

### 15. Major observation & Key issues

#### Observation:

- Unit is non-complying w.r.t. consented norms for BOD (47 mg/l against <20 mg/l), COD (207 mg/l against <150 mg/l) & TDS (1932 mg/l against <1600 mg/l).</li>
- b. Unit has agreement with BOWML for TSDF the Hazardous waste generated from process.
- c. Unit has agreement with M/s K K Duplex & Paper Mills Pvt. Ltd. and M/s Nuvoco Vistas Corporation Ltd. for disposal of Plastic waste / screenings.
- d. Actual non-paper solid waste (plastic waste) generation 4.59 MT/Day is less than the estimated quantity of 5.98 MT/Day, which indicate poor record keeping for generation & disposal of plastic waste.
- e. Sludge generation (7.68 Kg/day) is much less than the estimated value of sludge generation (714.68 Kg/day), Indicate logbook for ETP sludge is not maintained properly.

#### Key Issue:

- a. Unit is non-complying w.r.t. consented norms for BOD (47 mg/l against <20 mg/l), COD (207 mg/l against <150 mg/l) & TDS (1932 mg/l against <1600 mg/l) and norms notified by MOEF&CC for BOD (47 mg/l against 30 mg/l).</p>
- Proper logbook for ETP sludge & plastic waste is not maintained.
- c. Unit has not provided any proof of Disposal of Plastic waste such as Invoice/GST bills etc. However, agreement copies were provided by the unit.
- 16. Compliance Status: Unit is non-complying w.r.t. consented discharge norms

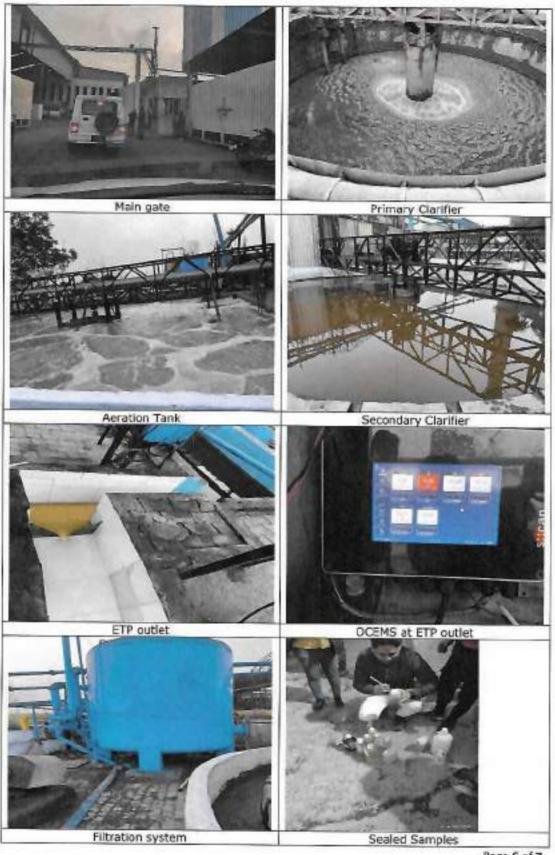
#### Recommendations:

- a. Unit shall maintain proper logbook for ETP sludge and plastic waste.
   b. Unit shall ensure proper operation & maintenance of ETP system to achieve the consented discharge norms.

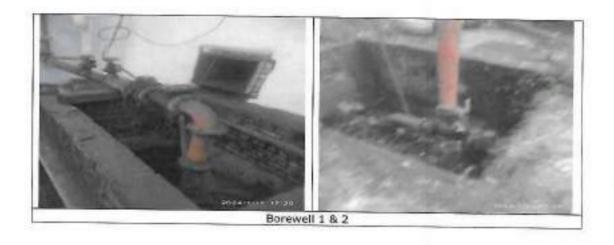
#### 18. Inspection team details:

S.No.	Name of officials	Designation	Organization	Signature
1.	Dr. R K Singh	Scientist 'D'	СРСВ	Bulug
2.	Sh. Imran Ali	AEE	UPPCB,	Oym
3.	Sh, Ashish Kumar	Hydrologist	UPGWD	M>.
4.	Ms. Shivangi Goswami	Research Associate-II	CPCB	Colivers
5.	Sh. Ankit Shukla	Senior Research Fellow	СРСВ	Antole
6.	Sh. Muktesh Chaudhari	Senior Research Fellow	СРСВ	

# Photographs



Page 6 of 7





### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010 Phone:0522-2720828,2720831, Fux:0522-2720764, Emnil: infosturpechan, Websita: www.appeb.com

181484/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 16/05/2023

To.

M/sMEENU PAPER MILLS PVT LTD

9.5 Km, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution) Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" and Authorization Rules, 2016" notified under "Environment (Protection) Act, 1986" as applicable (to be referred hereinafter as Water Act, Air Act and HW Rules respectively).

Application no. 20508080

Date :- 2023-04-06

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s MEENU PAPER MILLS PVT LTD located at 9.5 Km, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2024-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2024-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.
- 1.3 This CCA is granted for the period upto 2024-12-31 from the date of issuance of this letter under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016" notified under "Environment (Protection) Act, 1986.

2. Production Capacity:

S. No.	Declared by the unit		Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	Waste Paper- 230 MT/DAY	KRAFT PAPER- 190 MT/DAY, TURBINE 1.5 MW	KRAFT PAPER- 190 MT/DAY, TURBINE 1.5 MW

**GHAN SHYAM** 

Digitally signed by GHAN 5HYAM Date: 2023.06.08 12:35:07 +05'30'

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the unit		Permitted by the
		Numbers	Usage / Process	Board

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

### 4. Water Conservation Measures

### A. Fresh water consumption

- L. Categorization of existing groundwater area: Safe/ Semi critical /Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2024-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.: fresh water as mentioned below:

		Declaration	Permitted	-1
S.No	Source of fresh water	Borewells/river	Borewells/river	

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed	
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced	
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards		
RCF and Market Pulp Based Paper Mills producing ambleached grades of papers and paperboards (ZLD)	Without Power Boiler < 2.5 m3/t paper With Power Boiler < 5 m3/t paper	

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.
   GHAN SHYAM Departs of the level of ground water annually.

# B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
1	300 KLD	300 KLD	300 KLD

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 – 8.5	6.5 - 8.5	6.5 – 8.5	No discharge is allowed
TSS, mg/l	<- 30	<30	<30	No discharge is allowed
BOD, mg/l	<-20	< 20	<20	No discharge is allowed
COD, mg/	<- 200	<150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed

Color, PCU	<- 250	< 156	< 150	No discharge is allowed
AOX, mg/l	< - 8			No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & FTP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black fiquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- All flowmeter should be calibrated annually from recognized institutions/vendor.
- The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Hoard (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually,
- The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1,	Maximum daily discharge of sewage	3
2.	Treatment facility	SEPTING TANK
3.	Discharge point	SEPTIC TANK

- \* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Delignification amp; BCF bleaching for agro & Delignification amp; B
- d. Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc.
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	1 X 11 TPH BOILER, 1 X 12 TPH BOILER	Biomass/Coal- 100 MTD	32	WET SCRUBBER on each Boiler	AS PER CAOM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
  as is required for meeting the ambient noise standards for night and day time as prescribed for
  respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards forNoise	level in db.(A) Leq		
Industr	ial Area	Commercial Area		
Day	Night	Day	Night	
75	70	65	55	

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

- The unit shall take adequate measures to control of noise from its own source so as to comply with the standards as may be applicable.
- The unit shall provide acousties enclosure on DG sets as per Environment (Protection) Rules, 1986.
- iv. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- Conditions under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016: -
- Number of authorisation and date of issue :2018-02-22
- Reference of application (No. and date)9957/2018-02-22 :
- R9957 of asd is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, coprocessing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated atasd

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorized mode of disposal or recycling or utilization or co-processing, etc.	Quantity (ton/annum)
	Category-5.1 As per Schedule 1 (USED OR SPENT OIL)	THROUGH TSDF	0.225 MT/ANNUM
2	Category-33.1 As per Schedule I (EMPTY BARRELS/CONTAINERS /LINERS CONTAMINATED WITH HAZARDOUS CHEMICALS/WASTES)	THROUGHTSDF	1.20 MT/ANNUM,

3	Category-33.2 As per Schedule I (CONTAMINATED) COTTON RAGS OR OTHER CLEANING MATERIALS)	THROUGH TSDF	0.075 MT/ANNUM
---	--	--------------	----------------

- The authorisation shall be valid for a period of
- The authorisation is subject to the following general and specific conditions
- (Please specify any conditions that need to be imposed over and above general conditions, if any):
   General conditions of authorisation:
- The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
- The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time:
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or preprocessing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- 12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 13. An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment.
  Forest and Climate Change or Central Pollution Control Board from time to time.
- 15. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved
  within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be
  considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: GHAN SHYAM Disks 2023 04 501 12:1609 103:307

- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets) Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, bazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder,
- 13. If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law...
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoFF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (Clifi) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall matutain and provide 'Inspection Book' at the time of inspection to the Board's officials.

GHAN SHYAM Date: 2007; 05:08:17:38:18 475 att

- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

### Specific Conditions:-

- I. This CTO is valid only for the production capacity of KRAFT PAPER- 190 MT/DAY BY USING Waste Paper- 230 MT/DAY as raw material, TURBINE 1.5 MW at site 9.5 K.M., BHOPA ROAD, MUZAFFARNAGAR, U.P.
- The Earlier Board has issued a CTO vide Ref No. 67140/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/water/MUZAFFARNAGAR/2019, Dated: 15/01/2020 and Ref No. 67141/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2019, Dated: 28/01/2020 is revoked.
- 3. The authorization is valid only for Category-33.1 As per Schedule I (EMPTY BARRELS/CONTAINERS /LINERS CONTAMINATED WITH HAZARDOUS CHEMICALS /WASTES)- 1.20 MT/ANNUM. Category-33.2 As per Schedule I (CONTAMINATED COTTON RAGS OR OTHER CLEANING MATERIALS)- 0.075 MT/ANNUM. Category-5.1 As per Schedule I (USED OR SPENT OIL)- 0.225 MT/ANNUM.
- The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water and submit the NOC for expanded production capacity.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- Unit must submit proof of Bank Guarantee submission in the Board with respect to CTE issued by the Board on dated-18.06.2021 and 18.10.2021, if not then submit Bank Guarantee in the Board within a month,
- 7. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate thee Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 8. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 9. The unit will not use agro based raw materials in the production process.
- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- Pic Unit shall install Piczometer for measurement of ground water level and the data generated from Piczometer will be provided to the SPCB on monthly basis.
- Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 13. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 14. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 15. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands

automatically suspended for that period.

- 16. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 17. The industry shall operate LX 11 TPH BOILER, LX 12 TPH BOILER with WET SCRUBBER on each Boiler and 32 Meter Combined Stack Height From Ground Level. Fuel to be used in the unit is Biomass/Coal- 100 MTD. Only approved fuel sis permitted as per CAQM direction.
- 18. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 19. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM a tpoint no. 65.
- 20. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 21. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 22. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 24. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 25. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 26. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 27. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 28. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 29. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 30. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 31. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 32. Industry shall submit Environmental Statement in prescribed form V as per rule no. 14 of E.P. Rules 1986.
- 33. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB,

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 12:36:37 | 05:30

- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board for expanded Hazardous Waste Material within a month.
- 36. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire bazard including environmental pollution.
- 37. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 38. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 39. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 40. The unit shall submit the audited balance sheet for the current year.
- 41. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 42. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.
- 43. The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 44. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 45. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 46. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 47. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice, 48. The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 49. In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 50. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the

Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.

- 51. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 52. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 53. Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 54. It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 55. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 56. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 57. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 58. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 59. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Poliution Control Board at the earliest.
- 60. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 61. Ground water monitoring report of premises shall be submitted within one month.
- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 63. The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

GHAN SHYAM Digitally signed by GHAN SHYAM Digitally signed by GHAN SHYAM

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the coedimens imposed in the certificate.

GHAN SHYAM Digitally signer by Gr. 20 Styring Date: 2023.06,08 12:37:67 [25:10]

Chief Environmental Officer (Circle 3)

12/23/22, 1:37 PM

## GROUND WATER DEPARTMENT

Annemar-1

(Namemi Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC042440
VALID FROM 27/07/2021 TO 26/07/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202107000015

Name of the Owner	MANISH KAPOOR		
Designation VC	DIRECTOR	Company Name	M/s MEENU PAPER MILLS PVT
Company Address	9.5 Km. Bhona Road, Muzattamonae		CTD
कंपनी का एता		Authorization Letter	Download
Address of the Applicant	272, New Mandi Dakshini Bhopa Road, Muzalfarnagar	And an all and an and an	A POST LINE AND A SECOND SECON
Date of Submission	01/07/2021	On Homeonida	MCFNU/ZININDB36
Location Particulars		Specimen Signature	
District	Micediar Natur		
		Blook	Municipal Corporation/Negar
			Polike Parishad, Muzaflar Nagar
Plot No./Khasra No.	9.5 Km, Bhope Roed, Muzaffarneger	Municipality/Corporation Yes	, Yes
Ward No.Molding No.			1 11

Depth of the Well (in meter) Assembly Siza(For Tube Well)  H.P. of the Pump Rate of Withdraws! (m²/thr.) 22/01/2016 Maximum Allowable Running Hours Per Day; Recharge Required	12/23/22, 1:37 PM	about blenk		
g of the 14/01/2016 Tube Well/Boring Industrial Material Material Material Material Motify Electric Motor Electric Pump) 85.00 Material Ma	rticular of the Existing Well a			
Tube Well/Baring Tube Well/Baring Tube Well/Baring Industrial Industrial Industrial Assembly Star(For Tube Well)  Submersible Blectine Motor Blectine Pump)  Electine Motor Rate of Withdrawal (m²/hr.)  22/01/2016  85.00  Maximum Allowable Running Hours Per Day: Recharge Required	to of Construction/Sinking of the			
Mali) Submerable StaeFor Tube Well) Submerable StaeFor Tube Well) Electric Motor Electric Pump) a of Electric Pump) Rate of Withdrawal (m³/hr.) 22/01/2016 Rainum Alfowable Running Hours Per Day: Recharge Required	se of Wall	Tube WelVBoring	Depth of the Well (	
Submersible Submersible Electric Motor Electric Pump) a of Electric Pump) 85.00 Maximum Allowable Running Hours Per Day; 234090 Recharge Required	rpose of well	Industrial	Assembly Size(For Well)	Tube
Submersible Electric Motor Electric Motor  Electric Pump) 22/01/2016  85.00  Maximum Allowable Running Hours Per Day: 234090	ainer Position (For Tube Well)			
Electric Motor  Rate of Withdrawal (m³/hr.)  22/01/2016  85.00  Maximum Allowable Running Hours Per Day;  Z34090  Recharge Required	e of Pump Used	Submersible	H.P. of the Burns	00.06
85.00 Rechtic Pump) 22/01/2016 Recharge Required Recharge Required	erational Device	Electric Motor	Rate of Withdraws	85.00
85.00 Maximum Alfowable Running Hours Per Day: 234090 Recharge Required	e of Energization (in Case of Elect	tric Pump)	22/01/2016	
234090 Recharge Required	dimum Alfowable Rate of hdrawal (m²/hr.):	85.00	Maximum Allowable Running Hours Per	
	dimum Allowable Annual rection of Ground Weser.	234090	Recharge Required	

- (3)), for Running Hours per day as shown at SL (30), and for maidmum affowable arrural extraction of ground water as shown at SL (3k) and is valid subject to the absorvance of the conditions This No-Objection certificate authorizes the owner applicant (user) to strik a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. stated overleaf
- Holder of this NOC is hereby directed to assure amount recharge of 0.00 cubic meter, as specified under the application form within the given time period.

### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 50 days as mentioned in application form shall only started after registration of his/her NOC.
  - In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- All Usars abstracting ground water in exposs of 100 m3/d shall be required to submit impact assessment report propared by an apprehient from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence etc. within three months of completion of the same to Ground Water Department Uttar Pradesh. The list of accredited Individuals/ Institutions is available on the official web-portal of CGV/A,
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at buttet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters
  - The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons. If the situation so demands
    - In case of any change of ownership of the existing well, fesh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority, Any deviation in this regard shall lead to cencellation of this registration
- In case, any of the particulors linformation furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage , this registration is liable for cancellation.
  - The Certificate of Authorization' NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days
- Construction of piazometers and installation of digital vister level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piazometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
  - Guidelines for Installation of Piezometers and their Monitoring

Rezorneter is a borowall used only for measuring the water level by towering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever nooded. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring. No. of priezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

Moniting Mechanism	Politic Co. 10th To.
	Manual
No.of plezometers reguled	
Quantum of Ground water withdrawal (gunvitay)	
S.No	

0 0 0

38

12/23/22, 1:37 PM

- The measuming frequency should be monthly and accuracy of measurement should be up to om, the reported measurement should be given in meler upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AMLR) Digital Automatic water level recorder (DVALR) with telemetry system should be used for accuracy.
  - The measurement of water level in plezameter should be taken, only after the pumping from the sumounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced lavet (with respect to mean level), depth, 2one taped and assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Ulter Prodesh, and for its validation.
- A Permanent display board should be installed at piezomeles/Tube wells alte for providing the location, piezometer's tube well number, depth and zone tapped of piezometer/flube well for The ground water quality has to be moritored hince in a year during pre-monsoon (May/Juno) and pret-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 If capacity buttle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
  - standard referencing and identification.
    - Any other site specific requirement regarding salety and access for measurement may be taken pare of.
      - Any other condition(s) that may be imposed by the concerned Authority
- In case, any of the particulars i information furnished by the application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is
- SPECIFIC CONDITIONS:
- . (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
  - ii) All industries shall be required to adopt latest water efficient achnologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake amust water and? through Confederation of Indian Industries. (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyog Bharati certified suditors and submit audit reports within three months of completion of the same to Ground Water Department Utlan Pradesh, All such industries shall be required to reduce their ground water use by at least 20% over the next five years
  - mandatory for industries drawings' proposing to draw more than 10 m3 iday of ground water and. Monitoring of water level shall be done by the project proponent. The plezameter (observation well) (v) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mantioned in General Condition no.10 shall be shall be constructed at a minimum distance of 50 m from the bare well/production well. Depth and equiter zone tapped in the piezometer shall be the same as that of the pumping well's wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ rochange in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, lexifies, tannery, pesticides/ insecticides, fertitizers, staughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry,
  - Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vil) Industries which are Riesy to cause ground water pollution e.g. Tenning, Staughter Houses, Dye, Chemical Petrochemical, Cost washaries, other hazardous units etc. (as per CPCB fast) need to underlake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- (In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Viales Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
  - il) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup>/day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date: 14/12/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature

43



### GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC015889

VALID FROM 27/07/2021 TO 26/07/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 20210	7000014			
Name of the Owner	MANISH KAPQOR			
Designation पद	DHECTOR		Company Name संपन्नी का माम	MIS MEENU PAPER MILLS PVT LTD
Company Address कंपनी का पता	9.5 Km, Bhopa Road, Muzaffamagar		Authorization Letter प्रशिकार पत्र	Download
Address of the Applicant	272, New Mand Dakshiri Bhopa Road, Muzafarrager		Application Form Serial No.	MZFN0721NIN0035
Date of Submission	01/07/2021		Specimen Signature	
Location Perticulars				
District	Muzaffar Nagar		Block	Municipal Corporation/Nagar Palika Parishad, Muzattar Nagar
Plot No./Khasra No.	9.5 Km, Bhopa Road, Muzaffamagar		Municipality/Corporation	Yes
Ward No. Holding No.				N/A
Particular of the Existing	Well and Pumping Device			
Date of Construction/Binking of the Well	38/05/2015 ,			
Type of Well	Tube Well/Boring		Depth of the Well (In meter)	100.00
Purpose of well	Industrial		Assembly Size(For Tube Well)	
Strainer Position (For Tube W	eil)	*		
Type of Pump Used	Submersible		H.P. of the Pump	20.00
Operational Device	Electric Motor		Rate of Withdrawal (m³/hc)	80,00
late of Energization (In Case	of Electric Pump)		14/05/2015	
Anximum Allowable Rate of Withdrawal (m <sup>2</sup> /hr.):	80.00		Maximum Allowable Running Hours Per Day:	9.00
faximum Allowable Annual	216000		Recharge Required	0.00

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 0.00 cubic meter, as specified under the application form within the given time period.

### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- In case of any change of ownership of the proposad well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telementy system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the commany is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water motors.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, tresh registration has to be obtained.
- No change of location, design, rate of withdrawel and pumping device in respect of the existing wall as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cencellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewel through a freeh application, at least ninety days prior to explicy of its validay.
- Construction of plezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of
  plezometer should be commensurate with that of the pumping wall. The data, obtained from digital water level recorders shall be made available to this
  office on monthly basis.
- Guidelines for Installation of Piezometers and their Monitoring

Prezometer is a borewell fulbewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of plezometers are as follows:

- The plezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the plezometer should be about 6° to 6°.
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one
  piezometers are installed the second piezometer should moritor the shallow ground water regime. It will facilitate shallow as well as deeper ground
  water aquifer monitoring.
- No. of plezometers to be constructed & Type of water level monitoring machanism shall be as per below table;

S.No	Quantum of Ground water withdrawal (cum/day)	nd water withdrawal (cum/day) No.ol piecometers required	Monitiring Mechanism	
			Manual	DWLR with Telemotry
1	< 10	0	0	0
2	11 - 50	£:	1	0
3	50- 500	T.	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter upto two decimal.
- Por measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemony system should be used for accuracy.
- The measurement of water level in piezomoter should be taken, only after the pumping from the sunrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monacon (May/June) and post-monacon (October/November) periods.
   Grafity may be got analyzed from NASL approved lab. Besides, one sample (1 trapacity bottle) to the concerned Director, Ground Water Department, Urtar Pradech, for chemical analysis.
- A Permanent display board should be installed at plezometer/Tube wells site for providing the location, plezometer/tube well number, depth and zone tapped of plezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care at.
- Any offer condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is field for cancellation.
- . SPECIFIC CONDITIONS:
- . (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- · I) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of

- ii) All industries shall be required to adopt taxes) water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake arrivel water audit through Confederation of Indian Industries (City) Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shalf be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be manuatory for industries drawing/proposing to draw more than 10 m<sup>3</sup>/day of ground water and. Monitoring of water level shall be done by the project proponent. The pleasometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and squiler zone tapped in the piezometer shall be the same as that of the pumping well wells. Monthly water level data shall be submitted online to the Ground Water Department, UP:
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Inclustries which are likely to pollute ground. water (chemical, pharmaceulical, dyes, pigments, paints, textiles, tannery, posticides/ insecticides, fertilizers, staughter house, explosives etc.) shall store the harvested rein water in surface storage tanks for use in the industry.
- vi) injection of treated untreated waste water into equiter system is strictly prohibited.
- . wii) Industrias which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water polistion.
- . (8) Intrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow moter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup>/day. The water from STP shall be utilized for toilst flushing, car washing, gardening etc.

Date :19/11/2022

Place:Muzatlar Nagar

This certificate is electronically generated and does not require digital signature



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Ref. No: 635/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR /2018 Dated: 05/05/2018

To.

M/s MEENU PAPER MILLS PVT.LTD

9.5 KM BHOPA ROAD, MUZAFFARNAGAR - 251001

Tehsil :MuzaffarNagar

District : MUZAFFARNAGAR

Sub:- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 635 and 05/05/2018.
- Reference of application (No. and date) 723489 and 14/02/2018.
- 3. Mr MANISH KAPOOR of M/s MEENU PAPER MILLS PVT.LTD is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at At the factory premises.

### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule-1, Serial no. 5.1 Used or spent oil	Through authorised TSDF	225 Kg per Anum
2	Schedule-Leerial no. 33.2 Contaminated cotton rags or other cleaning materials	Through authorised TSDF	75 Kg per Annum
3	Schedule-1, Serial no.33.1 Empty barrels/containers/liners contaminated with hazardous chemicals	Through authorised recycler/Through TSDF	150 Kg per Annum

- The authorization shall be valid for a period of 05/05/2023 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.

### 495

- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility ,
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer of exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

### B Specific Conditions of Authorization

- 1- The unit will deposit Rs. 20,000/- (Rupees Twenty Thousand only ) as processing of application within a month in compliance of Board's office order no. H18595/ C-2/ Sa.-346/07-18 dt 23/04/2018. The copy of said office order is available on the website of UPPCB at URL http://www.uppcb.com/pdf/office\_240418.pdf.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorised person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorisation has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 4- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 5- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.

- 6- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 7- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.

  8- The authorised person shall not receive, collect, or store any hazardous waste from any
- 8- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 9- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 10- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 11- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 12- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 13- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 14- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. A guideline in this regard has been issued by Central Pollution Control Board from time to time.
- 15-You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 16- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 17- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 18- Ground water monitoring report of premises shall be submitted within one month.
- 19- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

NATH

Digitally sepond for MANG MAY Takes State of the 1155 per 201507

( Authorized Signatory )

Copy to: To the Regional Officer, U.P.Pollution Control Board, Regional Office, U. Pollution Control Board, Muzaffarnagar for information and necessary action .

PARAS

Digitally signed by PARAS RAZIH Date: 2016.05,14 115401 +05307

CEO/EE, I/C Circle

### INDUSTRY INSPECTION REPORT (SUGAR)

### 1. GENERAL INFORMATION

Date of Inspection: 17-01-2024

1.	Name of the unit with complete postal address:	M/s. Triveni Engineering and Industries, Sugar Unit, Khatauli, Muzaffar Nagar
2.	Co-ordinates (Latitude & longitude)	29°16'33.6"N 77°44'28.2"E (29.276000, 77.741167)
3.	Industry Operational status	Operational
4.	Standalone/ integrated (with co-generation) Sugar/ sugar refinery	Integrated sugar refinery with co-generation
5.	Co-generation capacity, MW	45 MW

Consent section:

6.	Consent status& its Validity with date	<ul> <li>Consolidated consent and authorization (CCA) valid from 30.11.2023 to 31.12.2024 (Annexure-1).</li> <li>Authorization under Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 valid till 15.12.2027 (Annexure-2).</li> </ul>
7. NOC from CGWA/other authorized body		<ul> <li>Unit has 04 borewells which have authorization/NOC from Ground Water Department, Govt. of Uttar Pradesh valid up to 01.03.2026 (1 no.) &amp; 03.03.2026 (3 nos.) (Annexure-3)</li> </ul>

### Production section:

8.	Start period of crushing season	27.10.2023
9.	No. of operational days at the time of inspection	83 including 17.01.2024
10.	Consented capacity of sugar Mill	16000 TCD (Annexure-1)
11.	Average actual crush rate	13286 TCD (including stoppages) 12380 TCD- (Previous day)

### Water section:

12.	Source o	freshwater:	: Borewells

- Flowmeters are installed at all 04 bore-wells and found operational at the time of inspection by joint team.
- The unit is having permission to abstract total 430 m³/hr of groundwater and maximum permitted annual extraction of 170000 m³ from four existing bore-wells as per NOC.
- · Number of Piezometric wells available in the unit premises: 01

· Withdrawal permission from UPGWD:

S.N.	Bore- well No.	Date of energization	Rate of withdrawal	Max. permitted annual	Maximum allowable running Hours per
	140.		(m <sup>3</sup> /hr)	extraction	day

1	I	14.12.1990	110.00	66000m <sup>3</sup>	2.00		
2	II	15.12.1990	100.00	60000m <sup>3</sup>	2,00		
3	Ш	17.12.1990	100.00	20000 m <sup>3</sup>	1.00		
4	IV	19.12.1990	120.00	24000m <sup>3</sup>	1.00		
- 5	Total permi	tted withdrawal=	430.00	170000 m <sup>3</sup>	-		
• Max	imum daily	permitted abstraction	n from 4 borewells	is 640 KLD.			
13.	Fresh we	tter consumption:					
• As p	logbook is a ber UPGWI -wells.	ses during 27,10,202 200 KLD for product D NOC daily permis	23 to 16.01,2024, O tion and 90 KLD fo sion for abstraction	n previous day the or domestic purpose	action and 82,44 KLD f freshwater consumption is. 40 KLD from four existing		
14.	As info process 16.01.3	s and total freshwater	sentative, about 15 r consumption as p	er logbook is 97.11	ondensate is re-used in t KLD during 27.10.2023		
15.	Waste w	ater (influent) gener	ration OCL IN		ane		
16.		ater (Effluent) disch		1,436.78 KLD 1317.64 KLD			
17.	Specific	effluent discharge, I	t of cana				
18.	Treated	ffluent used from I	or or cane	1317640 / 13,286 = 99.17 L/t of cane During this season till 17.01.2024:			
10	Treated effluent used from lagoon for irrigation, KLD			<ul> <li>Treated efflue irrigation: 476</li> <li>Treated efflue recycle to Plant 48,908/67*= 7</li> <li>Lagoon have the from ETP and S' *calculated on provided by the</li> </ul>	ent used from lagoon for 82/59* – 808.17 KLD sent used from lagoon it: 1/29.97 KLD reated effluents received IP, the basis of logboomit.		
19.		vater from STP dis		89.75 KLD (during this season till 17.01.2024)			
20.	(Yes/No)	er harvesting system	n adopted		Yes		
21.	Effluent	reatment plant					
secon (ACF	ming & B dary clarif ), Chlorina	ar screen, Equaliza ier no.1 & 2, clear tion and lagoon.	tion tank, primary water tank, multi	clarifier, aeration grade filter (MGF	capacity comprising O tank-1, aeration tank-2 ), Activated carbon filte parallel) installed to trea		

The unit has installed Sewage Treatment Plant (STP) having capacity of 600 KLD, which is based on

The ETP has decanter (2 nos.) and have 08 nos. of sludge dry beds.

22. Sewage treatment plant

Inbuilt Clarifier Activated Sludge Process technology for the treatment of domestic waste-water generated from its residential colony/mill staff having population around 1000-1200 people.

 The treated water of STP is directly discharged into treated effluent lagoon of sugar mill after chlorination.

· Flowmeters are installed at the inlet & outlet of STP and found operational during visit.

23. ETP/STP analysis Report: As per sample taken during the visit

Sample Analysis	Flow m <sup>3</sup> /hr	Color (color unit)	Sulphu r/ Sulphat e ( mg/L)	pH	COD (mg/L )	BOD (mg/L )	TSS (mg /L)	TD 5 (mg /L)	0 & G	MLSS/ MLVSS (mg/L)	Sulphide (mg/l)	SAR
ETP Inlet	90.03	0.5	79	4.2	2042	819	250	121		-		7.
ETP Outlet	68.5	BDL	70	7.8	139	38	93	772	BD		2.4	06
Aeration tank				Ť.	•	. *	9	*		MLSS: 3584 mg/l MLVSS: 3100 mg/l		
STP Inlet	0,25	BDL	17	7.2	224	62	115	216	-		-	-
STP Outlet	6.53	BDL	26	7.6	133	36	100	620	•	-		01
Lagoon		BDL	69	7,7	184	46	113	852	-	-	-	05
OCEMS reading during visit	68.5	337	( <b>*</b> 2))	7.74	102.9	14.7	16.5	-	*		*	-
Notified standards for land hisposal	•	•		5.5 8.5	250	100	100	210 0	10	-	-	

Ground water sample analysis report (Borewell):

Parameters	Values	BIS IS 10500:2012 (Permissible limit in absence of alternative source)
pH	7.6	6.5-8.5
Colour (Hazen)	BDL	15
Conductivity (µS/cm)	555	
TDS	358	2000
Total Hardness	231	600
Calcium as Ca <sup>2+</sup>	45	200
Magnesium as Mg2+	29	100
Sodium as Na*	26	1
Potassium as K <sup>+</sup>	06	
Chloride	27	1000
Fluoride	0.22	1.5
Sulphate	22	400
Phosphate	BDL	400

Nitrate	BDL	45	
Nitrite	BDL	- 45	-
Total Alkalinity	255	600	-
COD	BDL	600	-
Arsenic	BDL	0.05	-
Cadmium	BDL	0.003	-
Cobalt	BDL	0.003	-
Chromium	BDL	0.05	-
Copper	BDL	1.5	-
Iron	BDL	0.3	
Manganese	0.11	0.3	4
Nickel	BDL	0.02	-
Lead	BDL	0.01	
Antimony	BDL	0.01	-
Selenium	BDL	0.01	-
Vanadium	BDL	0.01	-
Zine	0.03	15	

ain's Analysis Report- Quality of discharged effluent (for all parameters as notified under Environment (Protection) Rules, 1986.

Ana	ysis	rej	port	av	ai	ted

Sampling	Coordinate		Pa	rameters	(all value	es are in t	ne/L exce	pt Clour & p	M	
location		Colour	pН	BOD	COD	TSS	TDS	Sulphate	NO	Phospha
Up Stream	*			Drain	originat	ed from a	Ve affinit	stry only	21.00	te
Down	29.277512,	350	640	200	or seminar			istry only		
Stream	77,771818	Hazen	6.75	380	1120	334	1218	30.35	8.44	1.7

### 25. Storage of treated Effluent

- It was observed that the unit has an impermeable lagoon for storage of treated water from ETP & STP having capacity of 16530 m3 which seems to be adequate for 11 days as per logbook record i.e. 1,407.51 KLD treated effluent (from both ETP and STP) stored in lagoon.
- Approx. 50% of treated water from lagoon is used for irrigation and rest 50% recycled to plant.

### 26. Environmental laboratory

· The unit has setup an environmental laboratory for daily analysis of effluents from ETP for parameters like pH, BOD, COD, TSS, TDS and Oil & Grease and from STP for parameters like pH, BOD, COD, TSS and TDS.

### 27. Sludge Handling System:

- Unit has 08 nos. of sludge drying beds.
- Mechanical sludge handling system also installed.
- As informed, ETP sludge is being distributed to farmers as organic manure.
- As per logbook during 01.12.2023 to 16.01.2024, about 75.43 Ton (1.6 Ton/day) ETP sludge was transported through trolleys for distribution among farmers (Annexure-12).
- Estimated sludge generation i.e. 30% of inlet TSS load i.e. 0.11 Ton/Day

### 28. Press mud generation

 The unit has maintained the record of press mud generation, and as per logbook during this season till 16.01.2024 a total of 4,09,30.84 ton pressmud was sent to M/s. Rathi Traders, 938/11-12, S.P. Complex, New Mandi, Muzaffarnagr-251001 (U.P.) (verified by team from invoices).

- M/s. Rathi Traders further sell the press mud to CBG plant as informed by the unit representative. 29. | Hazardous waste section: (Quantity & way of Disposal)
- As informed by unit representative, the unit is giving used oil (Schedule 1: category-5.1) / oily sludge (Schedule 1: category-5.2) to Uttar Pradesh Waste Management Project (a division of Ramky Enviro Engineers Ltd.) (UPWMP- CHW TSDF site Kanpur Dehat) for its disposal on quarterly
- The unit has provided membership certificate (UPWMP-KNP-HzW-CHW-TSDF-2174) with Ramky Group, valid from 23.12.2023 to 22.12.2028.
- As per logbook during 01.11.2023 to 16.01.2024, about Oily Sludge =165.4 Kg disposed of to TSDF. Form-10 is also provided by the unit.
  - 30. Plastic waste
- · Plastic wastes like empty barrels, drums, containers, empty cartoon/Gatta sent to M/s. Gajanan Udyog, Khasra no. 19 ME, Mahiuddinpur, Mainapur, Bhojpur, Ghaziabad-201003 (having authorization under Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 valid till 01.03.2024).
- M/s. Gajanan Udyog recycles the plastic wastes through grinding and finally the reject material is being sent to M/s. Ramky Enviro Engineers Ltd., Kumbhi village, Akberpur, Kanpur).
- During 01.01.2023 to 16.01.2024, plastic wastes (old/discarded) 3,779 nos. of Plastic carboy (200ltrs/50 lts/35 ltrs/25 ltrs/20 ltrs capacity), PVC scrap: 2520 Kg, PVC bag: 2820 Kg, Black polythene sheets 20,000 Kg, HDPE bags (Lime, Salt, Cement & Chemical): 20,000 Kg, PVC film paper pouch (1-5 kg), sugar packing: 30,000 kg, Waste/scrap of PVC/ damaged HDPE bags/Rubber & Card boards etc.: 66,190 kg, Plastic cane (100 ltrs): 50 nos., Packing film (5 Kg): 750 Kg, and Black Alkathene: 910 Kg sent to M/s. Gajanan Udyogduring 2023.

Manpower employed for ETP operation & Environment Manager- 01; Lab Chemistmaintenance. 01; Operator- 03; Helper- 03; Supplier - 01 Details of irrigation system & treated effluent 32. Unit has irrigation management plan used quantity 1. Own land area for irrigation (Yes/No). Yes 120 hector 2. Farmer land area and their agreement. Yes 160 hector (Yes/No). 3. Net effluent generation left for Irrigation Treated effluent used from lagoon for (KLD) irrigation: 47682/59= 808.17 KLD 4. Flow meter to measure amount of water Yes used for irrigation. 5. Distance of land Area from the Unit (Km) 1-1.5 KM 6. Total Available Area (Hectare) 180 Hectare 7. Soil Texture of land (Sandy, Sandy loam, Sandy loam Loam, Clay loam, Clay) Crop area under effluent application Wheat, sugarcane, Mustered Pluses Mode of disposal (route to reach Ganga) 33. Treated water is going to nearby farms for irrigation Details of Air Pollution Control System 34. Emission Source · The unit is having 02 boilers with capacity of 65 TPH and 40 TPH for

	sugar manufacturing process and 02 boilers with capacity of 120 TPH each at Cogen plant.  • 65 TPH boiler is equipped with wet scrubber (2 nos.) and 01 no. of wet scrubber for 40 TPH boiler with one stack attached to both boilers having height of 40 m from ground level.  • Two boilers of 120 TPH are equipped with ESP as pollution control device.
Emission control system or Air Pollution Control Device (APCD)	2 nos. of Wet scrubber for 65 TPH boiler and 01 no. of wet scrubber for 40 TPH boiler
Stack Details	1 stack attached to both boilers and stack height from ground level is 40 Meters
On-line emission (stack) monitoring system installed (Yes/No)	Yes installed and connected to CPCB/SPCB server
Stack Emission Test Report	Particulate Matter value was 44.9 mg/Nm <sup>3</sup> against norms 80 mg/Nm <sup>3</sup>
Fuel Consumption details	Sugarcane bagasse used as fuel for boilers.     Fuel consumption/day: 840 to 864 ton/day (as provided by unit representative)     Estimated fuel consumption as per DMR of Unit: 1322 ton/day
Quantity of ash generated, MT/day	<ul> <li>Ash production/day: 40 to 45 ton/day (as provided by unit representative)</li> <li>As per logbook: Total ash shifted during Oct-Jan, 2024: 5,916.51 Ton (Cogen+Sugar)</li> <li>Ash production/day as per logbook: 40.56 ton/day (Cogen) &amp; 41.62 ton/day (Sugar)</li> <li>Estimated ash generation as per DMR of Unit: 33.1 ton/day</li> </ul>
Method of disposal of Ash	Generated ash disposed through tracto trolley for landfill through contract basis

### 3. OBSERVATIONS

- 1. The unit has started its crushing season 2023-24 on 27th October, 2023 and the unit found operational on the date of visit i.e. 17th January 2024.
- 2. Unit has CCA valid from 30.11.2023 to 31.12.2024 for discharge of effluent which can be used for

irrigation/green belt/reuse in process.

- The unit is also having valid Authorization under Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 for storage and disposal of hazardous wastes valid up to 15.12.2027.
- As per Daily Manufacturing Reports (DMRs) provided by the unit, the average actual crush rate (TCD) is 13,286 TCD (for duration of 27th October, 2023 - 16th January 2024) which is within the consented capacity of 16,000 TCD.
- Being a Sugar Refinery SO<sub>2</sub> gas is not used in sugar manufacturing process, hence provision of separate Sulphur Recovery System (SRS) is not required.
- The unit is an integrated backend refinery sugar unit with 45 MW cogeneration power plant for inhouse activity in sugar manufacturing process, which has separate consent for cogen plant for generation of 45 MW electricity under the Air Act, 1981 and the Water Act, 1974, both valid from 01.01.2022 to 31.12.2024.
- 7. Sugarcane bagasse is used as fuel in boilers. As informed by unit representatives, fuel consumption/day is 840 to 864 ton/day and boiler ash production/day is 40 to 45 ton/day, which is almost in-line with the estimated values of 1322 ton/day fuel consumption/day and 33.1 ton/day boiler ash production as per DMR of the unit.
- Total freshwater consumption as per logbook is 97.11 KLD for production and 82.44 KLD for domestic purposes during 27.10.2023 to 16.01.2024. On previous day the freshwater consumption as per logbook is 200 KLD for production and 90 KLD for domestic purposes. The variation is due to periodic fresh water abstraction at average about 3-4 days as per logbook.
- As per UPGWD-NOC, daily permission for abstraction of freshwater is 640 KLD from four existing bore-wells.
- From stack emission test report, it was found that particulate matter (PM) value was 44.9 mg/Nm<sup>3</sup> against norms 80 mg/Nm<sup>3</sup>.
- Analysis of ETP outlet is found complying w.r.t. discharge norms, however, the analysis of lagoon is found non-complying w.r.t. TSS 113 mg/l against notified norms of 100 mg/l under E(P) Rules, 1986.
- The analysis values of d/s of recipient drain (Khatauli drain) of the Unit show high values i.e. BOD
  of 380 mg/l and COD of 1120 mg/l indicates the effluent discharge in past by the unit.

### 4. Compliance Status

As per Discharge norms: Non-complying w.r.t. TSS 113 mg/l against norms 100 mg/l Overall compliance status: Non-complying

### 5. RECOMMENDATIONS:

- 1. The mill should improve its housekeeping.
- Lagoon should be cleaned periodically.

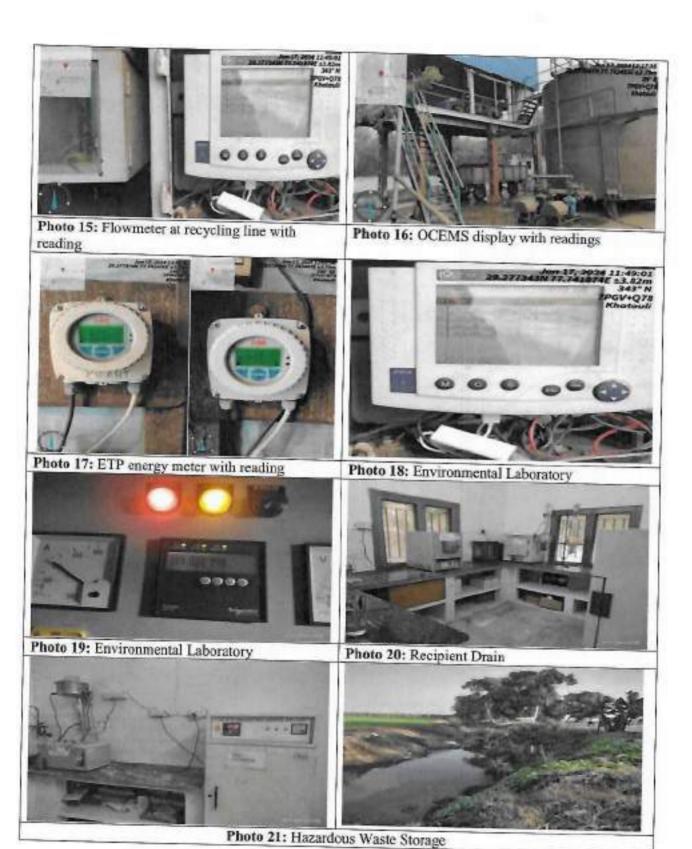
6. INSPECTION TEAM

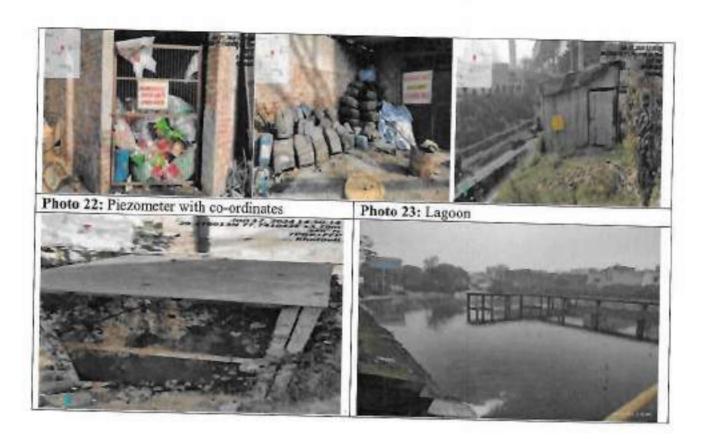
SL Ne.	Name of the inspecting officers	Designation	Signature
1.	Dr. Abhas Kumar Maharana	Scientist-B, CPCB	Allas
2.	Sh. Muktesh Chaudhari	SRF, CPCB	107
3,	Sh. Ravish Pratap Singh	JRF, UPPCB	Josep

### PHOTOGRAPHS











### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone 0522-2720828.2720831, Fax: B522-2720764, Email: info@cppch.m., Website: www.uppch.com

192844/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 30/11/2023

To.

Mis

TRIVENI ENGINEERING AND INDUSTRIES LIMITED SUGAR UNIT KHATAULI

Triveni Engineering And Industries Ltd Village Shelkhpura Sugar Unit Khatauli, MUZAFFAR NAGAR, 251201 Application Id-22758848

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to TRIVENI ENGINEERING AND INDUSTRIES LIMITED SUGAR UNIT KHATAULI located at Triveni Engineering And Industries Ltd Village Sheikhpura Sugar Unit Khatauli, MUZAFFAR NAGAR, 251201. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:

 This CCA TRIVENI ENGINEERING AND INDUSTRIES LIMITED SUGAR UNIT KHATAULI granted for the period from 30/11/2023 to 31/12/2024 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	SUGAR FROM SUGAR CANE CRUSHING CAPACITY	16000	Metric Tonnes/Day

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	600 KLD THROUGH STP	STP	IRRIGATION/GR EEN BELT/RE USE IN PROCESS
Industrial	1935 KLD THROUGH ETP	ETP	IRRIGATION/GR EEN BELT/RE USE IN PROCESS

(ii) Trade Effluent Treatment and Disposal: The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:-

> PRADEEP SHARMA

Digitally signed by PRACHTP STARMA Date: 2023; 12:18 16:30:41:405:90

### Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	pH	AS PER E(P) RULES 1986
2	BOD	AS PER E(P) RULES, 1986
3	COD	AS PER E(P) RULES. 1986
4	TOTAL SUSPENDED SOLIDS (TSS)	AS PER E(P) RULES, 1986
5	OIL AND GREASE	AS PER E(P) RULES, 1986

- (iv) Sewage Treatment and Disposal:- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- (v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
1	pH	AS PER E(P) RULES, 1986
2	BOD (mg/L)	AS PER E(P) RULES, 1986
3	TSS (mg/L)	AS PER E(P) RULES, 1986
4	Fecal Coliform (MPN/100ml)	AS PER E(P) RULES, 1986

### 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

### Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	1 X 65 TPH Boiler with Wet Scrubber, 1 X 40 TPH Boiler with Wet Scrubber	Bagasse- 35 MT/Hr	01	Particulate Matter	40 METER COMBINED STACK HEIGHT FROM GROUND LEVEL

### **Emmission Quality Standards**

S No.	Stack no	Parameters	Standards
1	01	Particulate Matter	AS PER CAQM DIRECTION

### 511

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

- (ii) The unit will not use any type of restricted fuel.
- iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	2000	strial rea		nercial rea	10/17/19/20	lential rea	1,000,000	nce
	Day Time	Night Time				Night Time	Day Time	Night
	75	70	65	55	55	45	50	40

- 4. Essential documents to be submitted by the Industry/Unit as Applicable :-
- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- 5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upeep.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.
- 8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

### General Conditions:-

- The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- Treated Industial waste water and domestic waste water shall be disposed jointly at one disposal point.The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.

- 7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforescen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

### Specific Conditions:-

- 1- This CTO is valid only for production capacity of SUGAR FROM SUGAR CANE CRUSHING CAPACITY-16000 TCD By Using SUGARCANE, LIME as raw material only at site Village Sheikhpura, District-MuzaffarNagar, U.P., Pin-251201.
- 2 Harlier Board has issued a CTO vide Ref No. 139165/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/water/MUZAFFARNAGAR/2021, Dated: 17/12/2021 and Ref No. - 139117/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFAR NAGAR/2021, Dated: 17/12/2021 is revoked.
- 3- The industry must comply the conditions of NOC issued to unit by the UPGWD for abstraction of ground water.
- 4- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/fuel/ plant machinery failing which consent would be deemed void.
- 5- Unit shall operate and maintained have 1 X 65 TPH Boiler with Wet Scrubber, 1 X 40 TPH Boiler with Wet Scrubber and 40 meter stack height from ground level. Fuel for Boiler is Bagasse- 35 MT/Hr. Only approved fuel is permitted as per the CAQM direction.
- 6- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 7- The E.T.P. unit operation line up Strengthening is to be maintained.
- 8. The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 9- Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
- 10- During no demand period for irrigation, the treated effluent to be stored in a seepage proof lined pond having 15 days holding capacity only.
- 11- The industry shall implement treated effluent flow distribution measurement for irrigation purposes completely in accordance with irrigation plan.
- 12- Unit shall submit effluent/emission monitoring report of the ETP and stack of air polluting sources and ambient air monitoring of the premises done by MoEF&CC and UPPCB approved laboratory within 01 Month and on Quarterly basis to the Board.
- 13- Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Sugar Industries" formulated by CPCB.

  PRADEEP

  Option of "Charter for Sugar Industries" formulated by CPCB.

### 513

- 14- Unit shall abide by directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas.
- 15- As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM. 16- Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 17- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 18- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 19- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 20- The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 21- Industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 22- If UPPCB or CPCB issues closure order against the industry, this consent shall remain suspended for the period till closure order is revoked, after which the consent will be effective again for the remaining period.
- 23- The unit shall comply with the provisions of notification No. S.O. 3187(E) dated 07-10-2016 of Ministry of Water Resources, River Development and Ganga Conservation, GOI.
- 24- The discharge norms must confirm as per the notification no G.S.R. 35 (E) dated: 15.01.2016 of MoEF&CC.
- 25- Unit shall comply with the directions issued by Central Pollution Control Board, New Delhi vide letter-B-190198/WQM/II(RG)/CPCB/Sugar/12/2016-17/16662, dated 14/19.02.2019, and send the compliance report to Board on quarterly basis.
- 26- Unit shall identify recipient drains/ rivulets and their u/s & d/s location in consultation with UPPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (Protection) Act, 1986 and shall submit the analysis report on monthly basis by 10th of every month to CPCB and UPPCB.
- 27- Unit shall maintain pipe line from outlet of ETP and to the point of irrigation land. No treated effluent shall be discharge outside the factory premises.
- 28- Unit shall provide Pakka channel/ pipe line for irrigation and shall maintain the records of ground water extracted and treated effluent used for irrigation on land.
- 29- Unit shall comply the provisions of Water (Prevention and Control of Pollution) Act 1974 as Amended, Air (Prevention and Control of Pollution) Act 1981 as Amended and Environment (Protection) Act 1986, and direction issued by Hon'ble National Green Tribunal, New Delhi in Order dated 13.07.2017 in OA no. 200/2014, M.C. Mehta v/s Union of India.
- 30- This Consent order shall automatically become invalid on issuance of Closure Order by C.P.C.B.//IJPPCB and further on Revoking of Closure order, the Consent order shall become valid.
- 31- The industry shall also explore treated effluent re-cycle mechanism in furtherance to the application of treated effluent on land as a significant alternative mode of re-cycle. This step shall in turn reduce hydraulic loading of effluent discharge as well as shall eliminate extraneous treated effluent discharge possibility

elsewhere.

- 32- The industry shall submit Environmental Statement in prescribed form V rule no.14 of E.P Rules 1986.
- 33- Industry shall install at sufficient height from the ground level Open to Network HD PTZ rotation Camera at the Inlet, Aeration tank, Secondary Clarifier and outlet of Effluent treatment plants for On Line Monitoring and its URL and password shall be provided to the UPPCB control room.
- 34- The industry shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 35- The industry should follow the directions issued by the Ministry of Environment Forest and Climate Change, Delhi vide Notification no. GSR 35(E) dated 14/01/2016.
- 36- The industry should ensure the operation of the air pollution control system (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 37- The industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P. Rules 1986.
- 38- The unit shall submit the point wise compliance report of the previous CTO issued by the Board and the audited balance sheet for the current year and the details of fees deposited during last three years within a month failing which consent would be deemed void.
- 39- The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order.
- 40- In compliance with the Hon'ble Supreme Court order passed in W.P. (civil) No. 13029/1985 M.C. Mehta Vs. Union of India and ors. the use of Pet coke and furnace oil is prohibited.
- 41- Unit shall ensure the connectivity of Online Effluent Monitoring System and Online Emission Monitoring System at the stack of air polluting sources and ensure the connectivity with the servers of CPCB and UPPCB.
- 42- Unit shall use Bio-briquette as co-fuel with main fuel in the ratio of minimum 20 percent in boiler subject to its availability.
- 43- Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 44- The industry shall establish Miyawaki forest inside the factory in sufficient area.
- 45- Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppeb.com/pdf/Green-Belt-Guidle\_160218.pdf. Beside this, the unit will install 5 additional saplings within the campus with protection measures for ensuring their survival.

PRADEEP SHARMA Digitally signed by PRACEEP SHARMA Date: 2073:12:18:16:29:53 +05:30\*

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA Digitally signed by PRADE F SYMMA Clair 2028 12 18: 6:3015 +01:10

Chief Environmental Officer (Circle 3)



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website; www.uppcb.com

Ref. No: 18627/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated:16/12/2022

To,

M/s TRIVENI ENGINEERING AND INDUSTRIES LIMITED SUGAR UNIT KHATAULI Triveni Engineering And Industries Ltd Village Sheikhpura Sugar Unit Khatauli, MUZAFFAR NAGAR 251201

Tehsil :Khatauli

District: MUZAFFARNAGAR

Sub: - Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 18627 and 16/12/2022.
- Reference of application (No. and date) 18323964 and 18/10/2022.
- Mr TARUN SAWHNEY of M/s TRIVENI ENGINEERING AND INDUSTRIES LIMITED SUGAR UNIT KHATAULI is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at Village Sheikhpura Sugar Unit Khatauli, MUZAFFAR NA.

### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules LII and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	
1	CATEGORY 5.1 & 5.2 AS PER SCHEDULE I (USED OR SPENT OIL AND WASTES OR RESIDUES CONTAINING OIL)		10 KG/DAY

- The authorization shall be valid for a period of 15/12/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous
  and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.

### 516

- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued

against your industry without any further notice.

- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as fiammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.

- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

PRADEEP Digitally signed by PRADEEP SHARMA (Authorized Signatory)
SHARMA Date: 2022,12.23
21:46:08 +05'30'

### UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action.

PRADEEP Digitally signed by CEO/EE, I/C Circle
SHARMA Date: 2022.12.23
21:46:45 +05'30'



# GROUND WATER DEFARTMENT

Namana Sange & Haral Water Supply Jepartment Government of Uttar Pradesh Ministry of Jal. Shakti

Form 8 (C)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/
COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION NO-OBJECTION CERTIFICAT NO:

VALID UP TO: 01/03/2026

Name of the Applicant	TARUN SAWHNEY		
Address of the Applicant:	Trivent Engineering And Industries Ltd		
Company Name:	Triveni Engg.& Industries Itd Sugar Unit Kinstull Company Address	Company Address	Wilege Shekhipura Khatuli Nuzalfarnagar
Serial No. of Application Form	MZFN6221NIN9016	Date of Submission	01/02/2021
Specimen Signature of the User:			
Location particulars;		***	*
District	Muzaffar Nagar	Block	KHATAULI
Plot No.	MA		
Municipality/Corporation	MA	Ward No.	NA
Holding No.			NA
Rate of Withdrawel (m3/hr.)	110.00	Date of Energization (in Case of Electric Pump) 14/12/1990	14/12/1890
Particulars of the Proposed Well and Pumping Device:	d Pumping Device:		
Type of the Wall	Tube Well/Boring	Purpose of the Well	Industrial
Assembly Size (For Tube Well)	0.00	Approx. Strainer Length (For Tube Well)	0000
Diameter (For Dug Well)	00.00	Type of Pump to be Used:	Submersible
H.P. of the Pump:	40.00	Operational Device	Electric Motor

Maximum Allowable Rate of Withdrawal (mWhr.): 110.00

NOT I

3,2024

2.00 Maximum Allowable Running Hours Per Day.

2

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3), for 68000 Maximum Allowable Annual Extraction of Ground Water.

Running Hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is vaid subject to the observance of the conditions stated overfeaf.

Place:

Date:

Yours Faithfully, and Designation Signature of the Issuing Authority

## GENERAL CONDITIONS:

In case of any otherge of ownership of the proposed well, fresh authorization has to be obtained.

No change of location, design, rate of withdrawst and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization

For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/15 standards) having belemetry system in the abstraction structure, which record rate and quantum of extraction, at cutlet of pumping devices and it shall be presumed that the quantity recorded by the mater has been extracted by the said user, until the contrary is proved. The rate of extendion of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters

The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands

In case of any change of ownership of the existing well, fresh registration has to be obtained.

No change of location, design, rate of withdraws and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation is this regard shall lead to cancellation of this registration

In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage. This registration is Table for cancellation. The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.

Construction of piezometers and installation of orgital water level recorders with telemetry shall be mandalory for user. Dapith and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis

Guidelines for Installation of Plezometers and their Monitoring

Piezometer is a borewell Autometil used only for measuring the water level by inwering the taper sample for water quality testing when ever needed. General guidelines for installation of plazometers are as follows:

The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer

 The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one plazometers are installed the second pazameter should monitor the shallow ground water regime. It will featitate shallow as well as deeper ground water aguifar monitoring.

No, of piscomaters to be constructed & Type of water level monitoring mechanism shall be as per below table.

Quantum of Ground water withdrawal (cumiday)

No.of pixzometers required

Vonting Medianism Manual

DWLR with Telemetry

284

The second	0	* 0	-	N	
					leminal own decimal
335.00	0	-	0	0	dem of mexico and by made
MOG Application Form	0	70		2	to be be a second to the secon
West reports:		11-50	50-500	> 500	
3300000		2,	m	4	1

3/2021

The measuring frequency should be manifily and accuracy of measurement should be up to cm. We reported me

For measurement of water level sounder or automatic water lavel recorder (AVALR)/ Digital Automatic water level recorder (DWLR) with felametry system should be used for accuracy.

The measurement of water level in piezometer should be taken, only after the pumping from the sumbunding tube wells has been stopped for about four to six hours.

All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the presented that the provided for bringing the presented that the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its velidation.

The ground water quality has to be monitored twice in a year dering pre-morecan (May/June) and post-monscon (OctobedNovember) periods. Quality may be got analyzed from NABL. approved tab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Utter Pradesh, for chemical analysis.

A Permanent display board should be insialled stplezometer/Tube wells alte for providing the location, plezometer/tube well number, depth and zone tapped of plezometer/bube well for standard referencing and identification.

Any other also specific requirement regarding safety and access for measurament may be taken care off.

Any other condition(s) that may be imposed by the concerned Authority.

In case, any of the particulars I information furnished by the application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is

Any other condition imposed by the concerned Authorly.

In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

### SPECIFIC CONDITIONS:

(A) For Industrial User. No Objection Certitionte for ground water extraction by industries shall be granted subject to the following specific conditions:

i) No Objection Cartificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.

II) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.

Commerce and Industry (FICCI) National Productivity Council (NPC) cardibed auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall iii) All industries abstracting ground weter in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of be required to reduce thair ground water use by at least 20% over the next three years through appropriate means.

Iv) Construction of observation well(s) (siscemeter)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3.

well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/wells. Morthly weller level deta shall be submitted online to the Ground Water iday of ground water and. Monitoring of water taxes shall be done by the project proponent. The piezometer (absorvation well) shall be constructed at a minimum distance of 15 m from the bore Department, UP,

v) The proponent shall be required to adopt roof top rain water harvasting/ recharge in the project premises, Industries which are likely to pollule ground water (chamical, pharmaceutical, dyes, pigments, peints, teatlies, tennery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

vil) Injection of treated' untreated wasterwater into aquifer system is strictly prohibited.

vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical? Petrochemical, Cost washerles, other hazardous units etc. (as per CPCB list) need to undertake necessary well haed protection massures to ensure prevention of ground water pollution.

(B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:

i) in case of infrastructure projects that require dewatering, proponent shall be required to carry out reguler monitoring of deviatering discharge rate (using a digital water flow meter) and submit the date online to Ground Weter Department, UP as applicable. Medicaring records and results should be rotained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.

ii) Installation of Serege Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toiler flushing, car washing, gardening etc. No.

## GROUND WATER DEPARTMENT

Fr. Fr. Taken Form

Make at the Court

Mentant Lange & Aural Matter Supply Department. Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (C)

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

## AUTHORIZATION/ NO-OBJECTION CERTIFICAT NO: VALID UP TO: 03/03/2026

Name of the Applicant	TARUN SAMHNEY		
Address of the Applicant:	Tilveni Engineering And Industries Ltd		
Company Name:	Triveni Engg.& industries hd Sugar Unit Knatuli Company Address	Company Address	Village Shekhipura Khatufi Muzaffarneg
Serial No. of Application Form	MZFNOZZININDO18	Date of Submission	01/02/2021
Specimen Signature of the User:			
Location particulars:			
District	Muzalfar Nagar	Blook	KHATAULI
Plot No.	NA		
Municipality/Corporation	NA	Ward No.	NA
Helding No.			NA
Rate of Withdrawal (m3/hr.)	120.60	Date of Energization (in Case of Electric Pump) 19/12/1990	19/12/1890

## Particulars of the Proposed Well and Pumping Device:

Industrial	0.00	Submersible	Electric Motor
Purpose of the Well	Approx. Strainer Length (For Tube Well)	Type of Pump to be Usada	Operational Device
Tube Well/Boring	00.00	00:00	40.00
Type of the Well	Assembly Size (For Tube Well)	Diameter (For Dug Well)	H.P. of the Pump:

" H worker to Ditte

3/13/2021 -- 6/4

1.02500 st. 710

18 , 1 5021 (Ct. 1 NL +

This No-Objection certificate authorizes the owner applicant (user) to pink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3j), for Running Hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overfield. 24000 120,00 Maximum Allowable Annual Extraction of Ground Water: . . . 'Maximum Allowable Rate of Withdrawal (m3/hr.):

Place:

Date:

dours Faithfully, Signature of the Issuing Authority and Designation

## GENERAL CONDITIONS:

In case of any change of ownership of the proposed well, fresh authorization has to be obtained

No change of location, design, rate of withdraws and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization

For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow maters (conforming to BIS/ IS standards) having talemetry system in the abstraction structure, which report rate and quantum of extraction, at culter of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. This rate of extraction of ground water train the well as shown in them 3(N) shall not exceed to the recorded rate from water meters The concerned Authority reserves the right to alop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands

In case of any change of ownership of the existing well, fresh registration has to be obtained.

No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent, Authority, Any deviation in this regard shall lead to cancellation of this registration

In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage , this registration is liable for cancellation.

The Certificate of Authorization/ NDC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.

Construction of piezomoters and installation of digital water tevel recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water lovel recorders shall be made evalishe to this office on monthly basis

Guidelines for Installation of Piezometers and their Monitoring

Presometer is a borewelf Autherwelf used only for measuring the water level by lowering the tapel sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of prezometers are as follows:

The plazometer is to be installed constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the plazometer should be about 4" to 6".

 The depth of the plazometer should be same as is case of the pumping wall from which ground water is being abstracted. If, more than one plezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer moratoring.

No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

Quantum of Ground water withdrayal (oum/day)

Monibring Mechanism Manual

No.of piezometers required

DWLR with Telemetry

0 * 0 *	0	0 4	-
0			
< 10	11-50	90-600	ini.
+	N		+ > 500

- 15 th

" NOG Applanton Foren

The water from

3/13/2021

10 m

The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be

For measurement of water level sounder or automatic water level recorder (AWLR)! Digital Automatic water level recorder (DWLR) with telementy system should be used for accuracy.

The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the presenter into the Hydrograph Monitoring System for Ground Water Department, Ultur Pradesh, and for its validation.

The ground water quality has to be monitored twice in a year during pre-manspoin (May/June) and past-monscon (October/November) periods. Quality may be got analyzed from MABL. approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.

A Permanent display board should be installed at piezometer/Tube wells also for providing the location, piezometer/tube well for standard referencing and identification

Any other also specific requirement regarding safety and access for measurement may be taken care off.

Any other condition(s) that may be imposed by the concerned Authority.

In case, any of the particulars I information furnished by the applicant in his application for lasuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is lishle for carcellation.

Any other condition imposed by the concerned Authority.

In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incornect during verification at any subsequent stage, this permit is liable for cancellation.

### SPECIFIC CONDITIONS:

(A) For Industrial User: No Objection Coefficies for ground water extraction by industries shall be granted subject to the following specific conditions:

i) No Objection Cartificate shall be granted only in such cases where local povernment water supply agencies are not abla to supply fine desired quantity of water.

a) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.

Commerce and industry (FICCIY National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall ii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake amnual water audit through Confederation of Indian Indian Indian Chamber of be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

by Construction of observation well(s) (piezwneter)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawingly proposing to draw more than 10 m3

well production well. Dopth and aquifer zone tapped in the preserveter shall be the same as that of the pumping well wells. Monthly water level data shall be submitted online to the Ground Water /day of ground water and. Monitoring of water lavel shall be done by the project proponent. The piezomater (observation well) shall be constructed at a minimum distance of 15 m from the bone

v) The proponent shall be required to adopt roof top thin water hisrossting/ recharge in the project premises, industries which are likely to pollule ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, posticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

vi) Injection of treated' untreated waste water into aquiller eystem is strictly prohibited.

vill industries which are fixely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/ Petrochamical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.

(B) Infrastructural User; The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:

i) in case of infrastructure projects that require dewatering, proponent shall be required to carry out regular maniforing of downtoring discharge rate (using a digital water flow meter) and submit the date critice to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.

It) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toller flushing, car washing, gardening etc WE

## GROUND WATER DEPARTMENT Nament Cange & Bural Winter Stophy Department,

HOC Angle State Facility

N. 3/2023 10 . . . . . . . . .

Government of Uttar Pradesh Ministry of Jal Shakti

Form 8 (C)

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICAT NO:

VALID UP TO: 03/03/2026

Name of the Applicant	TARUN SAWHNEY		
Address of the Applicant:	Thyest Engineering And Industries Ud		
Company Name:	Triveri Engg. & industries Ild Sugar Unit Khatuli Company Address	Company Address	Village Shekhipura Khatuli Muzaflamagi
Serial No. of Application Form	MZFN0221NIN0018	Date of Submission	01/02/2021
Specimen Signature of the User;			
Location particulars:			
District	Muzeffar Negar	Block	MHATAULI
Plot No.	MA		
Municipality/Corporation	NA	Ward No.	MA
Holding No.			NA
Rate of Withdrawal (m3/hr.)	200'005	Date of Energization (in Case of Electric Pump) 17/12/1990	17/12/1990
Particulars of the Proposed Well and Pumping Device:	d Pumping Device:		
Type of the Well	Tube Well/Boring	Putpose of the Well	Industrial
Assembly Size (For Tube Well)	000	Approx. Strainer Length (For Tube Well)	000
Diameter (For Dug Well)	0000	Type of Pump to be Used:	Ejector pump
H.P. of the Pump:	40.00	Operational Device	Beatric Motor

4 4 1 A 1 Maximum Allowable Rate of Withdrawal (m3/hr.): 100.00:

President

Bright to the state of

Maximum Alfowable Annual Extraction of Ground Water:

Maximum Altowable Running Hours Per Day;

OF SAFET SAFE

20000

1.00

1

17.7

(大) 大のおい

This No-Objection certificate sufficilizes the owner explicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not axceeding that as shown at St. (3), for Running Hours I day as shown at St. (3k), and for maximum allowable armust extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overheaf.

Place:

Date:

Yours Faithfully, Signature of the Issuing Authority and Designation

## GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh suthanization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracled, every said user shall affix digital weler flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in Item 3(k) shall not exceed to the recorded rate from water meters
  - The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
    - In case of any change of ownership of the existing wel, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority, Any deviation in this regard shall lead to cancellation of this negistration
  - In case, any of the particulars I Mornasion furnished by the applicant in his application for leavance of this registration is found to be incorrect during verification at any subsequent stage , this registration is liable for cancetation.
- The Certificate of Authorization/ NOC shall be valid for a period of live years from the date of issue. The applicant shall have to apply for renewel through a fresh application, at teast ninety cays prior to expiry of its validity,
- Construction of prezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of prezometer should be commonsurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
  - Guidelines for Installation of Plezometers, and their Monitoring

Pezonieter is a borrevell used only for measuring the water level by lowering the lape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quelity tealing when ever needed. General guidelines for installation of prezometers are as faltows:

- The plazometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
  - The depth of the peazometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second picaometer efeculd menter the shallow ground water regime. It will fadditate shallow as well as deeper ground water aquifer mentoring,
    - No. of piezometers to be constructed & Type of water level menitering machanism shall be as per below tables

S.No

Quantum of Ground water withdrawal (curviday)

No.of plazomaters required

DWLR with Talametry

Monitiring Mechanism

Manual

527

- は記録 いたらいのはない

1,227

TO SEE AND SEE THE THE

世別のなるのできる

3/13/2021 no - coccust Fellin

0 . . . . . .

The measuring frequency should be monthly and accuracy of measurement should be up to cm. The reponed measurement should be given in meler upto two decimal

For messurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telementy system should be used for accuracy.

The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plazameter that the Hydrograph Monlloding System for Ground Water Department, Ultar Pradeah, and for its validation.

The ground water quality has to be manifored wide in a year during pre-monscon (MaydJune) and post-monscon (October)November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical enalysis.

A Permanent display board should be installed at plazameter/Tube wells site for providing the location, plazameter/ tube well number, depth and zone tappad of plazameter/firbe well for standard referending and identification.

Any other site specific requirement regarding safety and soceas for measurement may be taken care off.

Any other condition(s) that may be impased by the concerned Authority.

In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is

Any other condition imposed by the concerned Authority.

. In case, any of the particulars I information funished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

SPECIFIC CONDITIONS:

(A) For Industrial User: No Objection Certificate for ground water extraction by industrias shall be granted subject to the following specific conditions:

I) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.

ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.

Commerce and Industry (FICCI) National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall ii) All industries ebstracting ground water in excess of 100 m3/4 shall be required to undertake annual water audit through Confederation of Indian Indian Indian Chamber of be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

b) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in Gerveral Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3

well/production well. Depth and aquifor zone tapped in the piezomster shall be the same as that of the pumping well/wells. Monthly water level data shall be submitted online to the Ground Water Iday of ground water and, Monitoring of water level shall be done by the project proponant. The piezometer (observation well) shall be constructed at a minimum distance of 16 m from the bore

v) The proponent shall be required to adopt roof top rain water harvesting' recharge in the project premises, industries which are likely to pollute ground water (chemical, pharmacoulitical, dyes, promote, paints, textiles, tennery, pesticides) insecticides, fartilizers, staughter house, explosives etc.) shall store the harvestad rain water in surface storage tanks for use in the industry.

vi) injection of treated/ universited wasts water into aquifer system is strictly prohibited.

vit) Industries which are likely to cause ground water pollution c.g. Tamning, Staugister Houses, Dye, Chemical Patrochamical, Coal washedes, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.

(B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:

I) in case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow metar) and submit the data online to Greand Weter Department, UP as applicable. Maniforing records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council,

ii) installation of Sevege Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is mans than 20 m3 /day. The water from STP shall be utifized for toilet flushing, car washing, gardening eta

A. . . . 128\*

9/13/2021



## GROUND WATER DEPARTMENT

Marram Garge & Rural Water Shipply Department) Government of Uttar Pradesh Ministry of Jal Shakti

Form 8 (C)

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICAT NO:

VALID UP TO: 03/03/2026

Name of the Applicant	TARUN SAWHNEY		
Address of the Applicant:	Trivent Engineering And Industries Ltd		
Company Name:	Triveni Engg.& inclustries Itd Sugar Unit Khatufi Company Address	Company Address	Village Shekhpura Khatuli Muzalfarnaga
Serial No. of Application Form	MZFM02Z-1MIN0017	Date of Submission	01/02/2021
Specimen Signature of the User:			
Location particulars:			
District	Muzaffer Nager	Block	KHATAULI
Plot No.	NA		
Municipality/Corporation	Ž	Ward No.	NA
Holding No.			NA
Rate of Wilhdrawal (m3lhr.)	100.00	Date of Energization (in Case of Electric Pump) 15/12/1990	15/12/1990
Particulars of the Proposed Well and Pumping Device:	ind Pumping Device:		
Type of the Well	Tube Well/Boring	Purpose of the Well	Industrial
Assembly Size (For Tube Well)	000	Approx. Strainer Length (For Tube Well)	0.00
Diameter (For Bug Wotl)	0.00	Type of Pump to be Used:	Submorsible
H.P. of the Pump:	40.00	Operational Device	Electric Molor

528

NDC Application Form

90

MONTH IN

4

Maximum Allowable Running Hours Per Day: \*\* -100

Maximum Allowable Annual Extraction of Ground Water;

Maximum Allowable Rate of Withdraws! (m3/hr.): 100.00

125 CM

00009

This No-Objection certificate authorizes the dwindr applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3), for Running Hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleat.

Place:

Date

Yours Faithfully, Signature of the Issuing Authority and Designation

## GENERAL CONDITIONS:

In case of any change of ownership of the proposed well, fresh authorization has to be obtained.

No charge of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority, Any devisition in this regard shall lead to cancellation of this authorization

For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/18 standards) having belometry system in the abstraction structure, which record rate and quantum of extraction, at quality of pumping devices and it shall be presumed that the quantity recorded by the mater has been extracted by the said user, until the contrary is proved. The rake of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters

The concerned Authority reserves the right to stop extraction of ground water from the wall due to quality hazards or any other research, if the situation so demands

In case of any change of ownership of the existing well, fresh registration has to be obtained.

No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any devision in this regard shall lead to cancellation of this negistration

In case, any of the particulars I information furnished by the applicant in his applicant of its registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation,

The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days pilor to expiry of its validity

Construction of piezometers and installation of digital water-level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis

Guidelines for Installation of Plezometers and their Monitoring

Pezometer is a boreviell Nubewell used only for measuring the water tevel by towering the taper sounder or automatic water level measuring equipment, it is also used to take water sample for water quality testing when ever needed. General guidalines for installation of piezometers are as follows:

The plezometer is to be installed/constructed at the minimum of 50 m distance from the pumping will through which ground water is being withdrawn. The diameter of the plezometer should be about 4" to 6".

The depth of the plezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piczometers are installed the second pleasometer should monitor the shallow ground water regime. It will facilitate shallow as well as deapar ground water aquifer monitoring.

No. of piszometers to be constructed & Type of water level mentioring mechanism shall be as per below tables.

Quantum of Ground water withdrawal (cum/day)

No.of piezometers required

Monitiding Mechanism

DWLR with Telemetry

Manual

i

0.5	0	4	2	
0		0	0	
0	( P)	7		
< 10	11-50	50-500	> 500	
		n		

12 L. Mar.

1,500

TING Augitosion Form

NCC Ago a

3/13/2/21 No no .

- The measuring frequency should be manithy and accuracy of measurement should be up to cm. The reported measurement should be given in mater upto two dealmal.
- For measurement of water level sounder or automistic water level recorder (AWLR) Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
  - The messurement of water tevel in piezometer should be taken, only after the purriging from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), deptin, zone taped and assembly lowered should be provided for bringing the prazometer into the Hidrograph Manitaing System for Ground Water Department, Ultar Pradush, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (MayLune) and post-monsoon (October/November) periods. Quality may be got analyzed from MABL. approved lab. Besides, one sample (1 it capacity botte) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells slie for providing the location, piezometer tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
  - Any other sits specific requirement regarding safety and access for measurement may be taken care off.
    - Any other candition(s) that may be imposed by the canoanted Authority.
- In oppose, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is
- Any other condition imposed by the concerned Authority.
- In case, any of the particulars Linformation furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

## SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- () No Objection Conflicate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
  - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall iii) All Industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Induan Indian Chamber of be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
  - (v) Construction of disservation well(s) (plazometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3
- weitproduction well. Depth and equilier zone tapped in the pleacomater shall be the same as that of the pumping well/ wells. Monthly water lovel data shall be submitted online to the Ground Water day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bare
- v) The proposent shall be required to adopt roof top rain water harvesting' recharge in the project premises. Inclustries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, taxriles, tannery, pesticides/ insecticides, tertilibers, staughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
  - vi) hijection of freated/unfreated waste water http squifer system is shidly prohibited.
- vis) industries which are likely to cause ground water pollution e.g. Tarming, Staughter Houses, Dye, Chemical/ Petrachemical, Coal washerles, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- In case of infrastructure projects that require dewatering, proponent shall be naquired to carry out regular monitoring of dewatering discharge rete (using a digital water flow meter) and submit the data critice to Ground Water Department, UP as applicable. Monitoring moonds and results should be rotained by the proponent for two years, for inspection or reporting as required by District Ground Weter Managament Council
  - it) installation of Sawage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 kday. The water from STP shall be utilized for totlet flushing, car washing, gardening etc

### INDUSTRY INSPECTION REPORT (PHARMACEUTICAL)

Ge	neral section:	Date of inspection: 28.12.2023
1.	Name of the industry &	Mic Manus I. I
	Complete Postal Address:	M/s Magma Industries, C-24-28, UPSIDC, Begarajpur Industrial Area, Muzaffarnagar, U.P 2512023
2.	Co-ordinates (Latitude & longitude)	29.372327, 77.701992
3.	Industry Operational status	Operational
4.	Environment Clearance	Yes (EC22B021UP183287 dated 24-08-2022)
Cor	nsent section:	(2002) dated 24-08-2022)
5.	Air consent	Unit has consolidated consent and authorization (CCA) under
6.	Water consent	section-25 of the Water (Prevention & Control of Pollution) Act 1974 and under section-21 of the Air (Prevention & Control of Pollution) Act, 1981, which is valid upto 31.12.2024(Annexure - 1)
7.	Hazardous waste authorization	Authorization under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 is valid upto 05/01/2027(Annexure – 2)
8.	NOC from CGWA/other authorized body	No Objection Certificate (NOC) issued by Uttar Pradesh Ground Water Department (UPGWD) for 02 nos. of borewell, each having validity upto 26.07.2026 and daily permitted water abstraction is 98 KLD collectively(Annexure - 3)
Pro	duction section:	Sylvania Sy
9.	Name and quantity of Raw materials used (in MT total of last three months)	Diclofenac Sodium IP/BP/USP – 1.0 MT/D Formic Acid – 1.14MT/D Tetra Butyl Ammonium Bromide – 0.5 MT/D
10.	Name of Final Products (separately mention name and quantity of by-products, if any)	Aceclofenac I.P./B.P. only, manufactured in last 3 months.
11.	Consented production capacity(TPD)	500 MT/Month
12,	Installed production capacity (TPD)	500 MT/Month
13.	Production (in MT for last three months)	As per attached data sheet.  Accelofenae I.P./ B.P. only, manufactured in last 3 months  (85.475 MT)
14.	Average Production (in TPD)	0.98 MT/D
Wat	er section:	
15.	Source of freshwater - Borewe	ells
	No. of Borewell as per UPC Actual withdrawal quantity withdrawal quantity of 98 F The unit has 02 borewells b Instantaneous Reading: 11. Totalizer Reading during vi	GWD NOC: 02 nos.  y was 36.71 KLD (average of last three months) against permitted KLD  out electromagnetic flow meter installed on common header line.  7 m <sup>3</sup> /hr  isit: 2821299 m <sup>3</sup>
	Logbook maintained by the	unit.
6.	Fresh water consumption	

- Total freshwater consumption as per logbook is 3194 KL during 01.10.2023 to 26.12.2023 i.e. 36.71 KLD.
- The fresh water abstracted is used for process, reactor cleaning, boiler and domestic purposes.
   However, flowmeter is found only at water abstraction point.
- Specific fresh water consumption is 37.46 KL/MT.

### 17. Sources of effluent consection

- Sources of effluent generation are from manufacturing section, floor washing and Boiler blowdown.
- No flowmeters installed at inlet of ETP (Installed Treatment Capacity: 120KLD).
- · Effluent treatment units are as follows:

Bar screen → Wastewater collection tank with diffuser (2 nos.)→Chemical Reaction tank→
Primary Clarifier → Aeration tank → Secondary Clarifier →Filter feed tank → Pressure
Sand Filter (PSF) → Activated Carbon Filter (ACF)

- Mechanical type flow meter installed at ETP outlet having totalizer reading 951941 m<sup>3</sup> on the day of inspection.
- As per 3-month logbook data (01.10.2023 to 26.12.2023), total effluent discharged is 1688 KL.
  i.e. 19.40 KLD and freshwater abstraction is about 36.71 KLD. However, there is no metering
  available to calculate the quantity of fresh water used in process, reactor cleaning and boiler
  section. Specific effluent discharge is 19.8 KL/MT.
- Unit informed that they are recycling the treated effluent for floor cleaning, cooling tower makeup, boiler section and gardening purposes, however, there is no metering available to calculate the quantity of effluent recycled by the unit.
- · Route to reach river Yamuna:

Begarajpur Industrial Drain → Dhandera Drain → River Kali → West → River Hindon

### 18. Effluent characteristics:

Parameters	ETP inlet (High COD)	(Low COD)	ETP outlet	Notified Discharge norms	Compliance w.r.t. discharge norms
pH	12.2	12.1	7.8	6-8.5	ETP system was
COD	9636	9127	BDL	30	diluted.
BOD	3113	2645	BDL	250	Hence assessed
Total Suspended Solids	190	432	BDL	100	as non-
Oil & Grease		-	BDL	10	complying.
Phosphate as P	0.9	0.6	0.1	5.0	Property.
Sulphate	165	88	16	5.0	
Cr <sup>6+</sup>			0.14	0.10	
Phenolic Compounds	*	-	0.4	1	
Cyanide		-	0.05	0.1	
SAR	135	71	0.5	26	
Sulphide	4	-	2.2	2.0	

#MLSS (mg/l): 281; MLVSS (mg/l): 119

Parameter ->	As	Cd	Ct	Cu	Fe	Ma	Pb	Hg	Ni	Zn	Se	V
Notified Discharge norms /norms as per consent	0.2	2	2	3	3	2	0.1	0.0	3	5	0.05	-
Tested Values	BD L	BDL	BD L	BD L	0.26	0.013	0.011	0.0 013	BD L	B D L	BDL	BDU

19.	Sludge generation (m³/day)	100000000000000000000000000000000000000	er – 20 nber –	23: 60 kg 2023: 45 kg	pro	vided	empty drums on to TSDF (M/s U nent Project, Kan	.P. Waste		
20.	Air Pollution -	Emission Source	s & C	ontrol	17200	occ.	nem rioject, Kai	pury		
	Sources of air	ollution		Chimney Det	ils	Air	Pollution Control	Equipment		
	05 TPH Boiler			30 mtr. Stack height		Wet	Scrubber	Equipment		
	04 DG Sets of 1000 KVA, 50	capacity 125 KVA 0 KVA & 380 KV	١,	Acoustic DG	5.77.25.42.2	e to (	CAQM directions	e.		
	Stack Emission			Particulate ma 80 mg/Nm³	itter (	PM)	48.9 mg/Nm³aga	inst norms of		
	Ambient Air			Monitoring Location	SI	uift	Particulate Matter PM10 (Less than 10 Micron) (µg/m³)	Particulate Matter PM2.5 (Less than 2.5 Micron) For 24 Hours (µg/m³)		
				ROOF OF			124.51	57.44		
			- 11	INDUSTRY	1	1	137.22	68.42		
				OFFICE	1		132.8	62.58		
	Fuel consumed		0	Coal and wood chips are permitted as boiler fuel. The details of fuel consumption were not provided.						
	Ash generation		i t	As per logboo generation from that they are of which indicate	k/data n the ispos	unit	vided by unit, av was 419 kg/day. ish for land fillin in un-scientific n	erage daily ash Unit informed g on own land		
21.	Hazardous Was	te Management S	Status:							
	Type of waste	Quantity gener		Storage &	lispo	sal				
	Process residue, drums, ETP Sludge	25.01.2023 - 53 27.04.2023 - 28	85 kg	As per Form disposed to	pty of -10, TSD	ETP F (A	sonsite. sludge, drums an greement made oject, Kanpur)	d process waste with M/s U.P.		

	Ground water		YOUR EXCEPT	DE L.	Sample	e collected	fre	m Ro	POSSIO	II					
	Quality of Gr	oundw	vater is co	omo	ared w	th Bureau	of	Indian	CH	H.	-d (T)	TCA A	1.4.4	_	
	Quality of Gr specification (S	econd	Revision	IS t	0500-2	Old Daleau	OK.	morar	512	oda	ua (B	(S) d	rinki	ng was	ter -
	Parameter	pH	Colour	T	otal	Total		COD	TD	s	CI	F	_	NO <sub>2</sub>	SO
	Standard values	6.5-	(PCU)	60	lkalinity 00	Hardness 600	+		200	0	1000	1,5		45	400
	Value	8.5	09	11	10	280	+	BDL	260			-		100	10000
	Parameter	Na+		_	O2-N	Phosphat		Magne	262 Con		18 TSS	6.26	cium	3.11	21
						-P		sium	ucti y		1.00	Can	Camillo .		
	Standard values Value	- 10	-	-		-		100	-		-				
	Quality of Grounds 1S 10500: 2012 (H	10 Valer is	compared as	th Ba	05	0.07	(70)	37	431			52			
	The state of the s	easy M	etal)	on De	reat 0) II	KIMB SIABARI	CHE	S) drinki	ng was	ter-	- specif	Scatton	(Seco	nd Revi	ion)
	Parameter Permissible limits	As	Cd	Cr	Cu	Fe	A	dn .	Pb		Hg	Ni	Zn	Se	V
	Tested Values	0.05 BDL	The second secon	0.05 BD	1.5 BD	0.04	_	01	0.01	_	0.001	0.02	15	0.01	
_		-	27427	L	L	16.00		01	BDI	-	-	BD L	4	BDL	BD
5.	Recipient drain											-	- 7		
	Recipient drain	t char	racteristic	s (m	ention	name of th	e di	rain al	(0)				_		
	Parameter	f	Colour		BOD	COD		TSS	/	T	DS	Phos	phat	Salph	ate
	Location 4	-	(PCU)		(mg/l)	(mg/l)		(mg/l	9		(Tsr	e (m		(mg/i	
	Upstream 6.9 Downstream 4.		60 BDL		54	172		196		12	26	0.66		63.92	_
	By-pass (if any		and the latest and th	on f	191	650	_	132		15	44	0.3		40	
	Installation Stan		OCEME			ıring visit.				_					
				No	-										
-	Sewage manage	emen	section							-					
5.	1. Unit (M/s 1 operational control of the unit has from UPPC)	Magm on the obta B and	is: na Industr day of th ined Envi NOC from	ries, ie vis ronn m U	Begraj sit (i.e. nental ( PGWD	28 <sup>ss</sup> Decei Clearance	tria nbe fror	l Area r 2023 n MoE	, Mi ). EF&(	cc,	ffarna valid	gar,	U.P.)	was	zatio
	Unit (M/s I operational at 2. The unit has	Magmon the sobta B and stwo as col of bo No flo tream neinering/1): sed an water and read and	is:  ia Industre day of the ined Envi NOC from streams of lected in the stream, ow meter have received bio- ment system and MLV d ETP is a quality re- ject of RC ressure Sa oe conside thes of Bo ment system of Bo ment system of RC messure Sa oe conside thes of Bo ment system of RC	ries, ale virion mu. U. f eff sepis sis is alcitional community of the sepis sis is in the sepis sis is in the sepis sis in t	Begraj sit (i.e. nental of PGWD duent learate to not pro- installe rant su cal tre- such installe 119 mg operates rement mixed of Filter. Tass a dil & COI with su	pur Indus 28th Decer Clearance cading to I ank and m per as pH ed for mea betances a atment s as advan d to achie g/l) value i d properly for boiler with the or Che mixing fution syste O which is ach high i	rial nbe from TP ixe BC cure and i vste ced and itter of mo	I Area or 2023 on MoE one i od befo oD, an oment of oxida ox	, Mu ). EF&( s hig ore p d CC of qu heref hat d ss, th e Sec d wa nalys ble te s of	c) c	valid COD a sary c value; ity of h sub- c, for occas biolog round dary c with of efflichieve	gar,  CCA  and of larification of the stance	U.P., tak A ther if the ef two es is h C DP), reuti TTP s samp	was authorics lower treat fluent stream not po OD s multi- ment of sees the ETP to see the extent of	COI tmen are cossible ssible ferougher for effective for PS.

### 27. Specific Recommendations:

- 1. Unit should immediately prepare plan for segregation of high & low COD streams.
- Prior to existing biological treatment, the unit should install appropriate treatment system such as stripping column, advanced oxidation process (AOP), multi-effect evaporator/incineration, to remove COD from the high COD stream.
- 3. Low COD effluent stream may be treated through conventional treatment system.
- Unit shall install OCEMS at ETP outlet before discharge and provide connectivity to CPCB/SPCB servers.
- The unit shall install flow meters at ETP inlet, for measurement of quantity of high COD and low COD streams. The unit shall maintain log-book for the same.
- UPPCB should take immediate action to stop dilution in to ETP system and to stop any illegal discharge and by-pass of industrial effluent until no adequate system installed for treatment of high COD stream.
- UPPCB should take immediate action to stop industrial discharge of acidic/alkaline effluent to recipient industrial drain.
- Overall Compliance status: Non-complying w.r.t. discharge norms (Sulphide and Cr<sup>h+</sup>) and dilution
- 29. Inspection team details:

Name of officials	Designation	Organisation	Signature with date
Sh. C.B. Chourasia	Scientist - E	CPCB Delhi	-B2130
Dr. Abhas Kumar Maharana	Scientist - B	CPCB Delhi	Mas
Ms. Garima Dublish	RA-III	CPCB Delhi	
Sh. Ankit Shukla	SRF	CPCB Delhi	Gan mi
Sh. Yogesh Mishra	AEE	UPPCB	W/2/
	Sh. C.B. Chourasia  Dr. Abhas Kumar Maharana  Ms. Garima Dublish  Sh. Ankit Shukla	Sh. C.B. Chourasia Scientist - E  Dr. Abhas Kumar Maharana Scientist - B  Ms. Garima Dublish RA - III  Sh. Ankit Shukla SRF	Sh. C.B. Chourasia  Scientist - E  CPCB Delhi  Dr. Abhas Kumar Maharana  Scientist - B  CPCB Delhi  Ms. Garima Dublish  RA - III  CPCB Delhi  Sh. Ankit Shukla  SRF  CPCB Delhi

### Photographs taken during visit:

Photo 5: Chemical dosing system

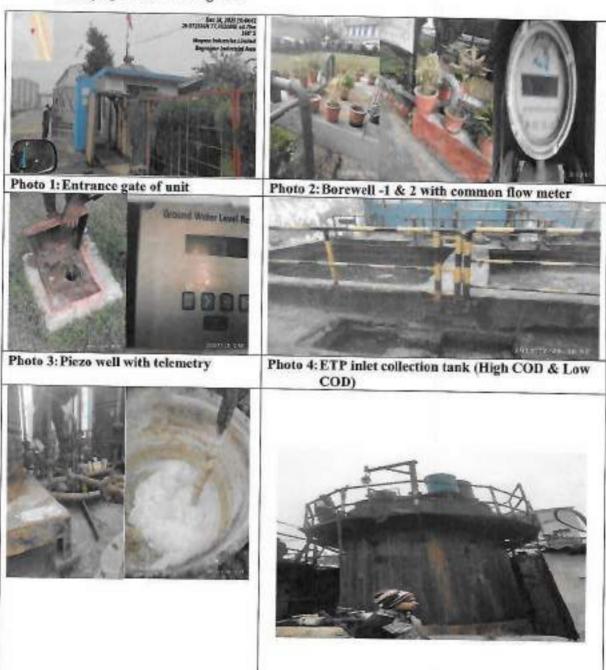


Photo 6: Reaction tank

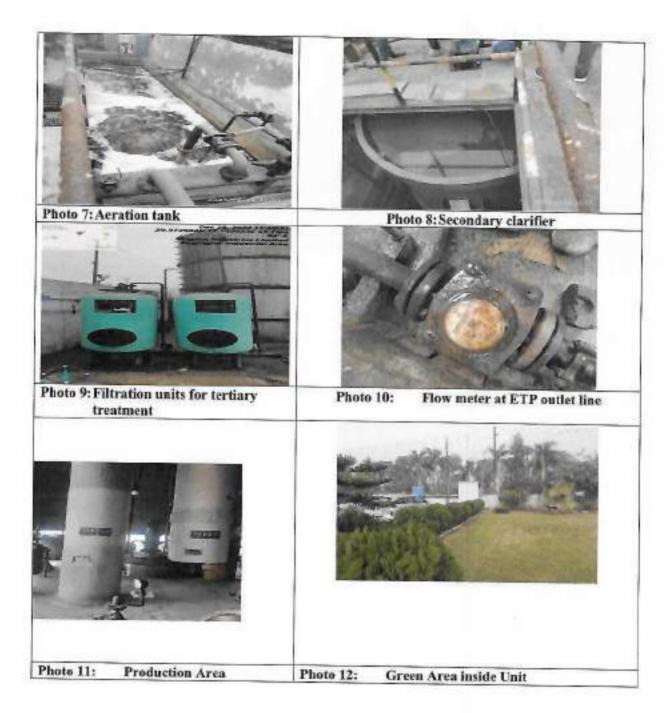




Photo-13: Green area maintained outside by the unit



### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Locknow-226010

Phone:0522-2720828.2720831. Fax:0522-2730764, famil: infracuppelian, Watsate; www.appeli.com

182412/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 30/05/2023

To,

M/s

MAGMA INDUSTRIES LTD

Plot No. C-24 to C-28, UPSIDC Industrial Area, Meerut Road, Begrajpur, Muzaffarnagar (U.P.), MUZAFFAR NAGAR, 251203

Application Id-20705807

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to MAGMA INDUSTRIES LTD located at Plot No. C-24 to C-28, UPSIDC Industrial Area, Meerut Road, Begrajpur, Muzaffarnagar (U.P.), MUZAFFAR NAGAR, 251203, subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:-

 This CCA MAGMA INDUSTRIES LTD granted for the period from 30/05/2023 to 31/12/2024 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Pharmaceutical ingredients & intermediates	500	Metric Tonnes/Month

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	3.0 KLD	Septic Tank	SEPTIC TANK
Industrial	48 KLD THROUGH ETP	ETP	REUSE IN IRRIGATION/GE EEN BELT/INDUSTRI AL DRAIN TO DHANDERA DRAIN

(ii) Trade Effluent Treatment and Disposal:-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:-

### Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	рН	AS PER E(P) RULES, 1986
2	BOD	AS PER E(P) RULES, 1986
3	COD	AS PER E(P) RULES, 1986
4	TOTAL SUSPENDED SOLIDS (TSS)	AS PER E(P) RULES, 1986
5	OIL AND GREASE	AS PER E(P) RULES, 1986

- (iv) Sewage Treatment and Disposal: The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- (v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
1	pH	AS PER E(P) RULES, 1986
2	BOD (mg/L)	AS PER E(P) RULES, 1986
3	TSS (mg/L)	AS PER E(P) RULES, 1986
4	Fecal Coliform (MPN/100ml)	AS PER E(P) RULES, 1986

- 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-
- i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

### Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	2 X 5 TPH Boiler and Common Wet Scrubber, Captive Power Plant- 250 KW	Biomass/C oal- 30 MT/day (Unit must use fuel as per CAQM direction)	01	Particulate Matter	30 METER COMBINED STACK HEIGHT FROM GROUND LEVEL

GHAN SHYAM Digitally regional by CARWA SHIP AND DIGITAL PROPERTY OF THE PROPER

KVA, 1 X ((U 500 KVA, 1 uso X 380 KVA pe	G/Diesel 04 Init must e fuel as r CAQM rection)	Sulphur Dioxide	AS PER E(P) RULES, 1986
--	---	--------------------	----------------------------

### **Emmission Quality Standards**

S No. Stack no 1 01 2 01		Stack no Parameters		
		Particulate Matter	AS PER CAQM DIRECTION	
		Sulphur Dioxide	AS PER CAQM DIRECTION	
3	01	Sulphur Dioxide	AS PER CAQM DIRECTION	
4 01		Sulphur Dioxide	AS PER CAQM DIRECTION	
5	01	Sulphur Dioxide	AS PER CAQM DIRECTION	

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

- (ii) The unit will not use any type of restricted fuel.
- iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for I Noise level in db(A) Leq	1.000	strial rea	Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time		Night Time				Night
	75	70	65	55	55	45	50	40

- 4. Essential documents to be submitted by the Industry/Unit as Applicable :-
- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area,
- Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upecp.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-

compliance of this direction, your consent will be revoked by the Board.

8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

### General Conditions:-

- The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- Treated Industial waste water and domestic waste water shall be disposed jointly at one disposal point.
   The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
- 7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

### Specific Conditions:-

1. This CTO is valid only for the production capacity of Aceclofenac, Acetaaminophen, Albendazole, Alloparinol, Ambroxal Hydrochloride, Aminophylline, Amooxicillin Trihydrate, Ampicillin Trihydrate, Ascrobic Acid, Atorvastatin Calcium, Azithromycin, Benfotiamine, Caffine, Cefixime Trihydrate, Chloramphenicol, Chloramphenicolpalmitate, Chlorzoxazone, Ciprofloxacin, Citicoline, Clopidogrel, Bisulphate, Cloxacillin Sodium, Depoxetine Hydrochloride, Dicalcium Phosphate, Diclofenac Dicthylamine, Dicloxacillin Sodium, Dicloxacillin Potassium, Disulfiram, Doxofylline, Domperidone, Eberconazole Nitrate, Fluconazole, Gliclazide, Glimepiride, Guaiphenesin, Ibuprofen, Itraconazole, Ketoconazole, Levalbuterol HCl, Levofloxacin, Levosulpiride, Losartan Potassium, Luliconazole, Mefenamic Acid, Metformin HCl, Methocarbamol, Methyl Cobalamin, Metronidazole Benzoate, Metoprolol Succinate, Miconazole, Montelukast Sodium, Niacinamide, Norfloxacin, Ofloxacin,

GHAN SHYAM Date 2021 [BO31 1 CTB 29-10-10

Omeprazole, Ornidazole, Oxaceprol, Paracetamol, Pentaprazole, Phenylephrine Hydrochloride, Pseudoephidrine IICl, Rebeprazole, Sildenafil citrate, Salbutamol, Salbutamolsulphate, Sertaconazole, Terbutaline sulphate, Thaimine IICl, Theophylline, Theobromine, Tinidazole, Tramadol Hydrochloride, Trazodone hydrochloride, Trimetazidine Hydrochloride-500 MT/Month by using 2,6 Dichlorophenol, Aniline, Sodium Methoxide, Methanol, Caustic Soda Flakes, Monomethyl Chloro Acectae, Chloroacetyl Chloride, Activated Carbon, Sodium Sulphite(Hydrose), Dimethyl Aniline, Chloro Acetyl Chloride, T-Butanol, Tetra Butyl Ammonium Bromide, Formic Acid, Toluene, Ethyl Acetate, Isobutyl Benzene, Dichloroethane, Acetyl Chloride, Isopropyl Alcohol, Sodium Metal, Soda Ash, Liquid Ammonia, Hydrochloric Acid, Sulphuric Acid, Acetone, Sodium Dichromate, Hexane, Offoxacin Acid, N-Methyl Piprazine, Dimethyl Sulphoxide, Hyflosupercell, Acetic Anhydride, Phenol, Chlorine Gas, Perchloroethylene, Di Isopropyl Amine, Methylene Chloride, Ferric Chloride, Potassium Hydroxide, Sodium Sulphate, Tetrahydrofuran, Dimethyl Formamde, Caustic Lye, Iso-Butyl Benzoate, Mono Chloro Acetic Acid, Diclofenac Sodium, Sodium Bicarbonate as raw material, 250 KW Captive Power Plant at site C-24 TO 28, UPSIDC INDUSTRIAL AREA BEGRAJPUR BLOCK-KHATAULI, DISTRICT-MUZAFFARNAGAR, U.P.

- The earlier Board has issued a CTO vide Ref No. 169896/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/both/MUZAFFARNAG AR/2022, Date: 21/02/2023 is revoked.
- 3. Unit must submitted balance fee of Rs. 80,000/- in the Board within 15 days of issuing this certificate.
- The industry must comply the conditions of NOC obtained from the UPGWD for abstraction of ground water.
- 5. Unit shall operate and maintained Boiler of 1 X 5 TPH Boiler, 1 X 5 TPH Boiler and Installed Common Wet Scrubber with combined stack height of 30 Meter from ground level. Fuel for the Boiler is Biomass/Coal- 30 MT/day. Industry also operate and maintain 1 X 1000 KVA, 1 X 500 KVA, 1 X 380 KVA and 1 X 125 KVA DG Set With Acoustic Enclosure and stack height as per norms. Fuel for DG set is PNG/Diesel. Unit must use fuel in Boiler and DG sets as per CAQM direction.
- In case of any change in production capacity/ process/raw materials use etc. the industry will have to
  intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from
  U.P. Pollution Control Board.
- The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P. Act, 1986 as amended.
- Unit shall submit effluent/emission monitoring report of the ETP and stack of air polluting sources and ambient air monitoring of the premises done by MoEF&CC and UPPCB approved laboratory within 01 Month and on Quarterly basis to the Board.
- 9. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM.
- 10. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by GHAN SHYAM Date 2021 Dept. 1 (2014) Sept. 2021 Dept. 1 (2014) Sept. 2021 Dept. 2021 De

Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 12. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 14. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 15. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available' as one-time as per CAQM direction dated-16.12.2022.</p>
- 16. The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and shall obtain authorization for the disposal of hazardous waste.
- 17. This Consent to Operate (CTO) order shall automatically become invalid on issuance of Closure Order by C.P.C.B / UPPCB and further on Revoking of Closure order, the Consent order shall become valid.
- 18. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 19. The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 20. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the tecords of water abstracted and recycled treated effluent. The treated effluent from the lifthuent Treatment Plant shall be used completely in the manufacturing process.
- 21. Industry shall install at sufficient height from the ground level Open to Network HD PTZ Camera at the outlet of the discharge drain of effluent from the factory premises and its URL and password shall be provided to the UPPCB Control room.
- 22. Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e. Plastic Waste Management Rules, 2016, Hazardous and Other Wastes GHAN SHYAM Date Management Plant of the Control of the Contr

(Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.

- 23. Industry shall install and maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 24. Industry shall comply the order passed by Hon'ble NGT time to time.
- 25. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- 26. Industry shall dispose the hazardous waste through authorized recyclers/TSDF.
- 27. Industry shall not use furnace oil/pet coke as a fuel.
- 28. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.
- 29. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 30. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 31. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 32. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdt/Green-Belt-Guidle 160218.pdf.

GHAN SHYAM Delect 2023-06-01 12:166-5 105:10

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Digitally signed by GHAN SHYAM Data: 7023.06.01 17:17:07 + 05'30'

Chief Environmental Officer (Circle 3)



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831 Fax: 0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 15869/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2021

Dated:06/01/2022

To.

M/s MAGMA INDUSTRIES LTD

Piot No. C-24, C-28, UPSIDC Industrial Area, Meerut Road, Begrajpur, Muzaffarnagar (U.P.), MUZAFFAR NAGAR, 251203

Tehsil:Khatauli

District :MUZAFFARNAGAR

Sub: - Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- 1. Number of authorization and date of issue 15869 and 06/01/2022.
- Reference of application (No. and date) 14329100 and 11/12/2021.
- Mr DINESH KUMAR GARG of M/s MAGMA INDUSTRIES LTD is hereby granted an
  authorization based on the enclosed signed inspection report for generation, collection,
  utilization, storage and disposal or any other use of hazardous or other wastes or both on the
  premises situated at Plot No. C-24, C-28, UPSIDC Industrial Area.

### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule 1	Used or Spent Oil-1,4 KL/Annum	1.4 KL/ANNUM
2	Schedule I	Contaminated cotton rags or other cleaning materials-0.05 MT/Annum	0.05 MT/Annum
3	Schedule I	Empty barrels/containers /liners contaminated with hazardous chemicals /wastes-1.0 MT/Annum	1.0 MT/Annum
4	Schedule I	Chemical sludge from waste water treatment-1.5 MT/Annum (ETP Sludge)	1.5 MT/Annum (ETP Sludge)
5	Schedule I	Chemical sludge from waste water treatment-15 MT/Annum (Process Sludge)	15 MT/Annum (Process Sludge

- The authorization shall be valid for a period of 05/01/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or
  pre-processing or utilisation of imported hazardous or other wastes shall be treated and
  disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1. The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4. Comprehensive safety measures must be followed in handling of wastes and the staff must be

### properly trained.

- 5. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard,
- 14. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.

- 15. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19. Ground water monitoring report of premises shall be submitted within one month.
- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21. The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGE Date: 2022.03.22 17:06:11 +05:30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action RAKESH KUMAR TYAGI 


Form 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Unter Prodesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/NO-OBJECTION CERTIFICATE NO:

VALID FROM 27/07/2021 TO 26/07/2026

Notes of the Applicant	HINESO KUMAR GARG		
Address of the Applicans	C-24 to 28 Big/Upon ashelmal Asses MoveMorogan	Category of Fannar	
Conpan Same	Mic MAGNA INDOSTRILE LITTE	Congress-address	CIPER BEORAPHINESSERALAKE
Senal Sq. of Application Form	SQT year 2 personna	Date of Subsolving	2007,201
Specimen Structure of the University			
Laurismo partiendoese			
Brilgier.	Mayofie Najor	Back	IGICQUALILI
M. Nr.		Flori No.	C24-24 DEGRAPPRINDUSTRAL ARE
Number light organism	Va	Ward Na.	2510x10.
Holding Na			28000
Rate of Wideless at political	1910	Bute of Europiration (In Case of Floring Paring)	OLOG.1949
Particulars of the Proposed Well and Pomping	Device:		
Sprof the Well	Lide Well Bown	Purpose of the Well	TeAriou)
Assembly Size (for Table Metty	0.00	Approx. Strainer Longile-Star Sate Well;	4.00
Distance of the Dog Well)	nbp	Type of France to be lived:	Actionerable
ILP: of the Power	Dan	Operational Decive	United Streets
Maximum effective Rate of Wilhelmond Int/Net/C	16.00	Havingon Altorable Running House Per Bast	1.00
Manisoner Allewable Assessed Extraction of Ground War	PT.		- Notice:

The No-Objection configure authorizes the owner righteen (secrets make well as the location apportfield at \$1.0) for consistent of ground cases or a resorrer that on shower or it in the fee formation of ground account of the control of the contro

Place Dog

September 1 Septem

### GENERAL CONDITIONS:

Asserted one change of contents of the project and histogram according to the property of the property of the state of the project of the property of the state of the contents of the contents of the contents of the property of the state of property of the property of the property of the state of the property of the p

Contracte of presenting and confliction of signal water lood remarks with releases step be considered for own agent of precently should be consumed as the first of the parameter of

Processing to observed industrial and only the resource, the water level by knowing the topic consider or outcomes water level measure; compared to this cool to the value completion of pure account of the contract of the c

- The presentative is to be constilled constructed as the interpretation of their decreases 
- The depth of the preventure shaded be some as a case of the parameter will formulate ground mater is being abstracted. If, over, there are preventure, and a need of the period preventure for the parameter depth of the period preventure and the depth of the period of

8 No	Quantum of Ground water webstreen granular (	No of presentate sequent.	Morning Nature		
	40 or an annual contraction and an annual	TO US PROGRAMMO SAGRAMA	Manual	1990 LB volu Tearners	
	-10:		18	10	
1.	112.94		- 1	49	
1	91.943	1			
à.	1914	1	u.		

The extracting frequency should be exactly and accuracy of automaters should be opinion for representation or an absolute frequency and a few participants.

- For communication of solic level beaming required on a confer (AWLR) Digital Automotic stored provides (DWLR) with information outside about the social provides of solic level in processors should be taken, only attentible pumping. Soon the necessary side motifs has been incomed about too a level to a time.

  All the density regarding conditiones referred level (with required most breit), then it would be provided for bringing the posterior site the frequency of sound will be provided for bringing the posterior site the frequency of sound will be provided for bringing the posterior site the frequency of the provided of the concepts of the provided 
- to the other controlled requiring refer and appearing refer and appearing to the particular of the controlled of the particular of the par

- SPACIFIC CONDITIONS:

  [A) For behavioral first. No December 1 without provided water currents by relational like granted advector detection of provided support of the design of the des

- Oblitaring sand Deep Thy No Objection Contribute for grand was abstraction will be granted subject to the balancing parties; conditions to the parties of contribute to the account of the contribute of the contribute to the contribute of the contr
- Control

  Con

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापत्ति प्रमाणयत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे बात्र पूर्वावलोकन के उद्देश्य से प्रयोग किया जाना चाहिए।



Form 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Unter Profesh General Water Management and Regulation Act, 2019.]

### AUTHORIZATION/NO-OBJECTION CERTIFICATE NO:

VALID FROM 27/07/2021 TO 26/07/2026

Name of the Applicant	DIPEISTE KLIMAR COURT		
Milites of the Applicate:	C-21 v. 200 agugus, ashawat Area Marellinugar	Category of Farmer	
Compan Sang	NO MAGNIA (STRUSTERIS LET)	Company Address	USI-24 HESBLADS KISHEN PROCESSOR
Serval No. of Application Focus	MATRICA STABLESIA	Bate of Perhantying	/414/5/25
perioen hypothere of the User.			
ocation particulars)			
bornt	Mercator Royal	Block	KHNIAULI
H-Na		Plat No.	C3+28 BEGRAPCIONIUS BRALAIG
Hantify Alto Corporation	Yes	Ward No.	25043
folding No.			25000
Rate of Wikh Kilywył (subtlec)	200	Date of Energication (In Case of Elemeic France)	2401-1800
Serticulars of the Proposed Well and Pamping	Device:		
Digwood the World	Sales Well-Horney	For poor of the Well	Tropica
Americkie Size (Far Take Well)	N/R	Appens, Stroker-Lough Her Yels Well)	1100
Name or (For Bug Woll)	0.00	Type of Passer to be Useds	Networks
LP, of the Penge	.000	Operational Desire	Elisano Mines
fasiones Sterockly Rate of Withdrawad packbacy.	38.00	Missiesen Albeweide Hausing Hauss Per- Dog:	300
Savinees Allowable Assess Extraction of Ground Wat	er:		7.00011.0

The Northernonconfrience and concerning the concerning for the principle of the concerning of the concerning the concerning of the concern

Pine Disc

Vision Facilitation Syntamical the Society Auditority and Physicians

### GENERAL CONDITIONS:

In page of the content of the proposed well, included content in the best beautiful and appeared with an expect of the proposed will be appeared at St. (1) and (3) of flancest these dualities which page presents or the Proposed will be appeared at St. (2) and (3) of flancest these dualities which page presents or the Proposed of the content at the Proposed of the proposed of the content at the Proposed of the proposed of the content at the Proposed of the proposed of the proposed of the proposed of the content at the Proposed of the propos

The Constitute of Authorization NGC shall be valuable appeared of the system from the discuss rate types the special chall have record from the fresh application, as been severed the special countries and the special countries of the special coun

The cost obsided foreclosed varieties and the state of th

Guidebtes for fautalisting of Presentates and their Musitaring

To visit in alread takend and on an income derive bears has a boson for an execute and tent income appropriation for the each analysis of the each and the each analysis of the e

- The prosecutor is no be contained as some rest of the processor of the process
- The slept of the parameter sheets to pass on a cone of the purpose with from which proved notice is being structed. If more than one provinces we excited the second parameter would remain an armine of the parameter of the purpose of the deliter, report with course I will facilitate includes a well-as proper proced what appear absences a Na all parameters to be constructed to Type of usual by all parameters as performed that he are labeled to be presented to be constructed to the present to

SNa	Question of Green) water nebblaned presidely	No of provincing squared	Morrorne Mechanica		
		Control Section (Charles)	Monad	OWER with Editions.	
67	+10	- 0	0	# C12000000000000000000000000000000000000	
18	13 - 546	1	1	W.	
	74E-34W		- 0	1	
4	- 90a	2		9	

The summary Deposits should be exactly and occurry of requirement should be up to tree the opposed reconscission about the grown remote agreement deposits.

- I or nonmoniant of a said lock washing or number of the said recently (WUR). Deput American count in all appears OVER invest below in principle and for annual the number of the number of a said of the perspect for number of the said of the perspect for number of the said of the perspect for number of the said of the said of the perspect for number of the said of

- A formation depth food sould be equilibrial provision that with our torprovising the scales, provided to the equilibrial and a provision to the expectation of t

### SPECIFIC CONDETRONS

- SPACIFIC CONDITIONS:

  On For Reductived Deen No Observation for guarant ways extracted to apply appears or no obtain supply the desired guarant for guarant made apply appears or no obtain supply the desired guarant of court model on supply and only in the control of the court o

- Bit infraction may a trace. He No Digitation is stated in second right abstraction with increased adopt to the Silbertest process conductors.
   We asked abstraction process that copyring freedom state in require the second second resources of the second conductors of the second sec
- or by by high series | Series | Description | Phys. (\$19) shall be annealed as the circle process, where ground want consequence of resection (3) and 4 are then \$19 shall be achieved for paste (business on weather).

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावलोकन के उद्देश्य से प्रयोग किया जाना चाहिए।

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

	A. General section	n Date of inspection: 03.01.2024						
1.	Name of the unit with complete postal address:	M/s Mahalaxmi Crafts and Tissues Pvt. Ltd., 9thKm. Jansath Road, Muzaffarnagar(U.P.)						
2.	Spatial Co- ordinates (Latitude & longitude) in Decimal format only	29.420980, 77.763583						
3.	Industry Operational status	Operational						
4.	Consent and NOC for ground water abstraction	i. Air Consent dated 21.07.2020 under ref no.: 94305/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/202 0 and valid from 02.06.2020to 31.12.2024. Enclosed as Annexure I     ii. Water Consent dated 21.07.2020 under ref no.: 94791/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/water/MUZAFFARNAGAR/2020 and valid from 02.06.2020to 31.12.2024. Enclosed as Annexure II     iii. NOC for ground water abstraction from two borewells issued by UPGWD under Registration no. 202106000341 & 202106000382 and same are valid till 27.08.2026. Enclosed as Annexure III						

5.	Process	Manufacturing of Kraft paper using recycled fiber wast paper (Indian)						
6.	Raw material							
	a. Consented value	Not mentioned in consent						
	b. Actual consumption (as per logbook)	9,794.80 MT (from 01st October, 2023 to 31st December, 2023)						
	c. Avg. daily consumption	119.45 MT/day (82 days of production)						
7.	Production							
	a. Consented value	200 MT/day						
	b. Actual Production (as per logbook)	9,666.488 MT (from 01st October, 2023 to 31st December, 2023)						
	c. Avg. daily production	117.884 MT/day						
	d. Yield (%)	98.69 % of raw material						
	e. Non-paper waste production	1.31 % of raw material i.e. 1.57 MT/day						
8.	Fresh water consumption							
	a. Details of borewell	Two borewells with flow meter found installed						
	b. Permitted withdrawal quantity	720 KLD						
	c. Actual withdrawal quantity	29853 KL (from 01* October, 2023 to 31* December, 2023)						
	d. Avg. daily withdrawal quantity	364.06 KLD (as per logbook) 593 KLD (calculated from effluent discharge, recycle and process loss data)						
	e. Specific fresh water consumption	5.0 KL/MT of product						
9.	Effluent Management							

### 555

	a. Consented	discharge val	ue	400 KLE	)				
	<ul> <li>b. Actual efflu</li> </ul>			117093 F	Children or an example of the				
	(as per V-N	lotch logbook	)	(from 01st October, 2023 to 31st December, 2023)					
	c. Avg. daily	effluent gener	ation	1,427.96 KLD, based on V-notch data.  Considering -10% losses in process, estimated effluer generation = 1285.2KLD.					
	d. Specific effluent generation			10 9 V I /	MT of produc				
	c. Actual recycling of treated				treated (from		D		
	effluent within process			Primary	n 01 <sup>st</sup> October, 2023 cember, 2023)				
				Treated e	ffluent (from	unavailab	vailable due to ility of flow meter ecycle line.		
				Total rec	ycled	851.04 KI			
	f. Specific eff	luent recycle			MT of produc				
	g. Actual effla (as per V-N	ænt discharge lotch logbook		10021 KI	L.	23 to 31st December	, 2023)		
	h. Avg. daily	effluent disch	arge	122.21 K	LD				
-		luent dischari				ict, based on log-box	ok dara		
	With the second	in reported ef	-	Based on	snecific data	=10.9-77.22+1.033	7) = 2.64 KT / MT =		
	generation, discharge	recycled and		Based on specific data =10.9- (7.22+1.037) = 2.64KL/ MT of product.  Daily quantity = 117.884 MT/day x 2.64KL/ MT = 311.2KL/day. This indicates poor maintenance of log-boo data and un-accounted discharge.					
10.	Effluent treatment plant (ETP)								
	a. Treatment Scheme			Screen→Equalization Tank→Hill screen→Primary Clarifier→Aeration Tank→Secondary Clarifier→Pressure Filter and Activated Carbon Filter.					
	b. Installed capacity			Primary Clarifier- 1141 m <sup>3</sup> Aeration Tank- 1064 m <sup>3</sup> Secondary Clarifier- 689 m <sup>3</sup>					
	c. Metering a	a ETP		Effluent generation No, only V-notch provided					
					treated	Yes, logbook maintained			
				Treated recycle	g point effluent	No flowmeter inst	o flowmeter installed		
					Discharge	No. only V-notch provided along with ultrasonic depth meter			
	d. Operations	d status of ET	P	Operation	val				
	3			Flow at inlet: 21 cm = 103.091 m <sup>3</sup> /hr.  MLVSS/MLSS in aeration tank: 1698/3884=0.44 against 0.6 to 0.8					
	e. OCEMS at ETP outlet			OCEMS was found installed at outlet of ETP. However connectivity with CPCB & SPCB servers could not b verified during inspection.					
	f. Effluent C	haracteristic	s	100000000000000000000000000000000000000					
	Parameter	ETP inlet	ETP outlet	Norms as per	Compliane w.r.t.	notified by	w.r.t. notified		
	pH	5.6	7.7	7.0-8.5	Comply	MoEF&CC	norms		
						7.0-8.5	Non-comply		
	BOD (mg/l)	5833	46	30	Non-compl				

	COD (mg/l)	14	1478	151	350		comply	350		Comply		
	TSS (mg/l)		028	40	500		Comply	500		Comply		
	TDS (mg/l)	10	5980	624			-	-		-		
	Oil/Gr.(mg/l) - BDL								-			
	Aeration tan		3-3884		LVSS-16	698 me/						
	g. ETP Sludge generation											
		cal słudę ogbook		ation	ETP sludge 250 Kg as per last Form 10.							
	b. Daily sludge generation				Logboo	k not pr	rovided					
	c. Specific sludge generation				NA NA							
	d. Estimated sludge generation @30 % of inlet TSS load				1.297 MT/day (against 1.1% of product)							
	disposal	e. Sludge Management & disposal					WML (TSE led as record		al disposal			
1.	Recipient di	rain det	ails									
	a. Name o				Dhande	ra Drair	1,5					
	b Recipie					3	ogs/ - en en					
	Sampling						Colour & pH)					
	location	pH	BOD	COD	TSS	TDS	Sulphate	Nitrate	Phosphate	Sulphid		
	Up Stream	6.59	70	198	184	1165	56	3.22	2.26	*		
	Stream	6.85	82	235	198	901	52	3.02	2.06	1.25		
		*All parameters are in mg/l except pH.  c. Sample taken from any other location (if any): No.										
	e. sample	tench 12	com any	other 10	canon (1)	suy). I	NO <sub>3</sub>					
2,	Non-paper s	olid wa	ste man	ageme	nt (Plasti	c waste	)					
	a. Non-pay	a. Non-paper solid waste				84.08 MT						
	generate		One	wante	(from 01st October, 2023 to 31st December, 2023)							
	C 2000 C C C C C C C C C C C C C C C C C		N.		fuena o	· CALIG	bei , 2023 to	21 19666	moer, 2023)			
	trus pear	(As per logbook)				waste i	provided to	M/s Har	shit Trading	Compar		
		A				Jaipur for further recycling (sales records are provided unit)						
	b. Avg. Da	b. Avg. Daily waste generation				1.02 MT/day						
						0.869% of product						
		eneratio		0.0000								
	d. Potenti		olid	waste	4.13MT/Day (estimated)against 1.02 MT/Day (as per							
	generat	generation @3.5 % of paper				logbook)						
						Actual non-paper solid waste (plastic waste) generation						
					much lower than the estimated value, which indicate po							
3.	Air Pollution management											
	a. Boiler capacity				18 TPH, Turbine for power generation.							
	b. Stack details c. APCD installed			Stack Height -35 m								
	d. Estimated steam requirement @			Cyclone, Air pre Heater and Wet scrubber 212.19 T/day								
	1.8 T/T of paper produce				212.19	17day						
	e. Name of the Fuel used				Bagasse							
	Section of the control of the contro	f. Bagasse consumption (as per										
	logbook)				3,996.44 MT (from 01st October, 2023 to 31st December, 2023)							
	logbook)											

				-		H & Co.	4 444							- 64	
	BDL	478	BDL	BDC	BDL	BDL	BDL	0.15	7.73	B D L	BDL	BDL	BDL	B D	0.0
	PO <sub>4</sub> <sup>L</sup>	Cond.	As	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	v	Za
	7.7	BDL	BDL	296	241	218	19	27	BDL	B	BDL	- 14	05	26	43
	pH	Color	COD	TDS	Total Hard- ness	Total Alkali- nity	cr	SO <sub>4</sub>	F	NOs- N	NOr- N	Na+	K+	C	M
5.	Ground water analysis results														
	c. Hazardous waste generated			form	ant (gr 10 (as	case)-	50 Kg mifest	and C for ha	ld Rub	e- 50 I ber Be s waste	t-30 k	Cg in	Last		
	<ul> <li>b. Copy of agreement with recyclers /TSDF</li> </ul>				Available with Bharat Oil & Waste Management Ltd. Kanpur										
	a. Authorization status				Authorization granted under ref. no.17310/UPPCB/Muzaffarnagar(UPPCBRO)/HWM/MUZA FFARNAGAR/2022 dated 03.10.2022 and valid till 02.10.2027,										
4.		dous wa	2000-00		ent				**						
_	1. Stac	k Monit	oring re	eport		PM-4	7.4 mg	y/Nm³(a	against	80 m	g/Nm <sup>3</sup>	)	y pices	unite )	
	k. Disp	posal of	ash gen	erated		Ash g	cenerat	ed from	n the	unit w	as bei	ng utili ent cop	zed in	low I	ying
		genera sumed (		v.r.t o	f fucl	7.48%	s, which	h is in h turbi	-line w	ith us	e of co	mbined	fuel in	boile	T
	i. Avg. Daily ash generation					T/day from 0		ober, 2	2023 to	31*1	ecemb	er 202	37		
	h. Avg. Daily fuel consumption			48.74 T/day											

- Unit has valid Air Consent, Water Consent, Authorization for Hazardous waste disposal and NOC for ground water abstraction from two bore wells.
- Unit is non-complying w.r.t. notified discharge norms by MOEF&CC for BOD (46 mg/l against 30 mg/l).
- e. Unit has agreement with BOWML for TSDF the Hazardous waste generated from process.
- Unit has agreement with M/s Harshit Trading Company, Jaipur for disposal of Plastic waste /screenings.
- Boiler ash generated from the unit was being utilized in low lying land by the contracted vendor.
- Unit does not have mechanical system for dewatering of biological studge. Existing SDBs are not adequate for rainy and winter season.
- g. Gap in reported effluent generation, total of recycled and discharge based on specific data is2.64KL/ MT of product, daily quantity311.2KL/day. This indicates poor maintenance of log-book and possibility of un-accounted discharge of untreated effluent.
- Since effluent generation is more than total of recycled and discharge, it indicates unaccounted water abstraction from unidentified bore well.
- Unit has rain water harvesting system for some area in mill premises.
- Sludge deposition was observed in recipient drain on upstream and down-stream of the unit.

## Key Issues:

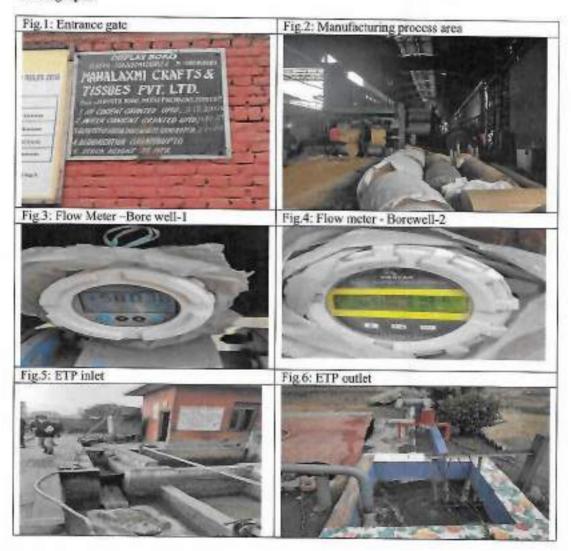
i. Unit is non-complying w.r.t. notified discharge norms by MOEF&CC for BOD (46

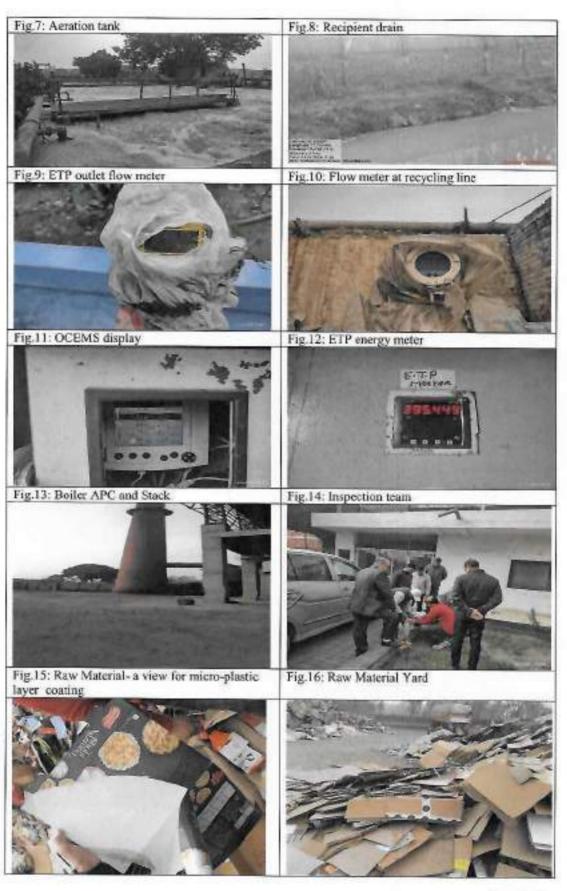
mg/l against 30 mg/l). Production 98.69% of total raw material consumed, shows very less non-paper solid ii waste generation (1.31%), indicate that records / log-book data are not correct. iii. ETP sludge only 250 Kg (disposed in Oct.2023) not in line with the estimated generation of biological sludge (~0.3 times of daily BOD load removed) indicate that possibility of illegal disposal of biological sludge. This is confirmed by the fact that Unit does not have mechanical system for dewatering of biological sludge. As per logbook of V-notch data, 311.2 KLD of wastewater (≈31.80 % of total effluent generation) was out of the record, indicates possibilities of nonrecorded discharge by the unit. 364,0KLD (as per logbook) against 593 KLD (calculated from effluent discharge, recycle and process loss data) indicates fresh water abstraction from un-identified bore-well. Logbook of Plastic waste generation shows lesser value (1.02 MT/Day) than minimum estimated (4.13 MT/Day) indicates poor record keeping. vii. Boiler ash and Plastic waste is not being managed in scientific manner. Compliance Status As per Discharge norms: Non-complying. Overall compliance status: Non-complying. Recommendations: UP Pollution Control Board may look in to gap of daily quantity of effluent generation, recycled, discharge and take action to prevent un-accounted discharge of effluent. UP ground water department may look in to matter whether any additional borewells installed by the unit. m. Unit shall operate ETP properly, so as to comply with notified discharge norms for treated iv. Unit shall install mechanical system for dewatering of biological sludge. Unit shall ensure proper record keeping for generation & disposal of plastic waste & Boiler V. vi. Proper record of effluent generation, discharge & recycle should be maintained. VII. Proper record of sludge generation and disposal should be maintained. viii. The unit may install flow meter with totalizer at ETP inlet. 19. Inspection team details: MoEF&CC/CPCB S.No Designation Organisation Signature officials 1. Dr. A.K., Gupta Additional Director MoEF&CC 2 Sh. C.B. Chaurasia Scientist 'E' CPCB 3. Dr. Vivek Rana Research Associate-I. CPCB 4. Sh. Muktesh Chaudhari Sr. Research Fellow CPCB

# 559

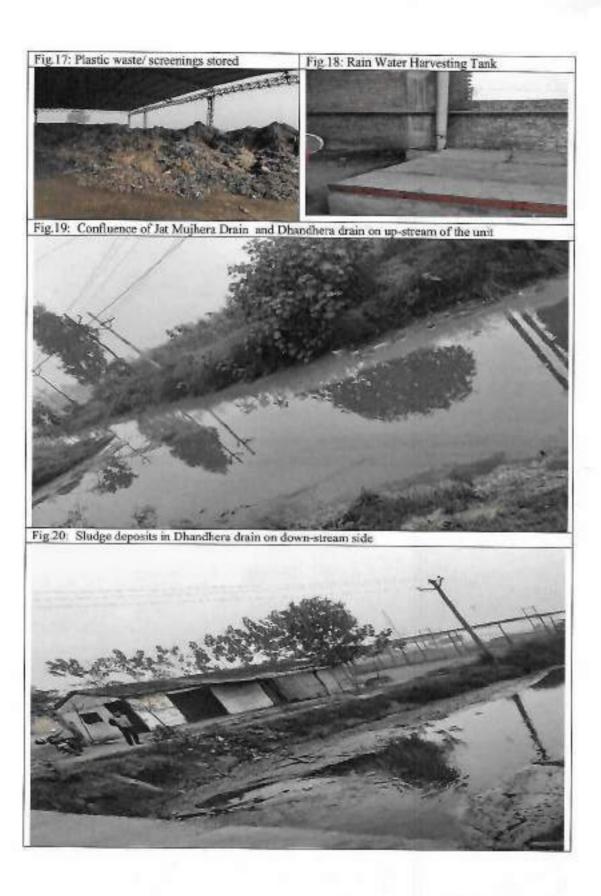
S.No	SPCB/CGWA officials	Designation	Organisation	
1.	Mr. Puskar Singh	Tech. Asstt.	UPGWD	4
2.	Mr. Diwakar Dev Gahlot	JRF	RO, UPPCB, Muzaffarnagar	SX
3.	Mr. Y.K. Mishra	Asst. Environment Engineer	RO, UPPCB, Meerut	**************************************

## Photographs





Page 7 of 8





## U.P. Pollution Control Board

America- I

### CONSENT ORDER

Ref No. -94305/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNA GAR/2020

Dated: 21/07/2020

Dated: 21/07/2020

To,

Shri AJAY GARG
M/s MAHALAXMI CRAFTS AND TISSUES PVT LTD
9th Km , Jansath Road , Muzaffarnagar, MUZAFFAR NAGAR, 251001
MUZAFFARNAGAR

Sub: Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. MAHALAXMI CRAFTS AND TISSUES PVT LTD

Reference Application No. 8444836

 With reference to the application for consent for emission of air pollutants from the plant of M/s MAHALAXMI CRAFTS AND TISSUES PVT LTD. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions.

This consent is valid for the period from 02/06/2020 to 31/12/2024.

Inspite of the conditions and provisions mentioned in this consent order UP Pollution Control Board
reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the
Air (Previntion and Controt of Pollution) Act, 1981 as amended.

This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Nishi Kumar Rumar Chaufiae Chaufian Deer 20200721 11:33:13

Chief Environmental Officer

Circle-3.

Enclosed : As above (condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Muzaffarnagar,

Nishi Kumar Digitally signed by Mishi Kumar Chauhan Date: 2020.07.21 11:1324+0530 Chief Environmental Officer Circle-3.

## U.P. Pollution Control Board

Dated: 21/07/2020

## CONDITIONS OF CONSENT

- This consent is valid only for the approved production capacity of Kraft Paper-200 MT/Day using Waste Paper as main raw material.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior
  approval before making any modification in product/ process /fuel/ plant machinery failing which
  consent would be deemed void.
- The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.

3(b) . Air Pollution Source Details.

		Air Pollution S	Source Details		
S.No	Air Polution Source	Type of Fuel	Stack No.	Parameters	Height
1	18 TPH Boiler	Coal and Agrofuel	1	Particulate Matter	35 Meter From Ground Level
2	10 TPH Boiler	Coal and Agrofuel	1	Particulate Matter	35 Meter From Ground Level

3(c). The emissions by various stacks into the environment should be as per the norms of the Board.

	Emission Qua	ality Details Detail	
S.No	Stack No	Parameter	Standard
1	1	Particulate Matter	As per EPA Rules 1986
2	1	Particulate Matter	As per EPA Rules 1986

- 4. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. is disposed in eco friendly manner.
- Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- The industry should ensure the operation of the air pollution control system (APCS) in such a
  manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as
  amended.
- The industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E,P Rules 1986.
- 8. The industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.
- 10. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- 11. The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB.
- 12. The unit shall submit audited balance sheet for the current year and the details of fees deposited during last three years within a month failing which consent would be deemed void.

- 13. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order.
- 14. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 15. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 16. Minimum 33% of the land on which industry is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.
- 17. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
- 18. Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.

Specific Conditions:

1. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.

2. Any source of emission other than that mentioned in the Air consent seeking application will not

be permitted by the Board.

3. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as

4. The industry shall submit Environmental Statement in prescribed format in Form V of rule-14 of E.P Rules 1986.

5. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process

6. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel / plant machinery failing which consent would be deemed void.

Industry shall install OCEMS on stack as per the direction of CPCB. 8.Industry shall sent the stack/ambient air quality monitoring report from Boards Laboratory, after starting the production within one month.

9. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.

10. The industry shall submit quarterly monitoring reports of all stacks and ambient air quality from a

certified / approved laboratory under E.P. Act 1986.

11. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time .

12. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the

Hon'ble Supreme court order till further direction.

13. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB. 14.If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.

15. The unit shall submit the audited balance sheet for the current year.

16. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its

17. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively). 18. Board has already issued CTO to industry vide letter no 40886/UPPCB/MZR

(UPPCBRO)/CTO/Air/MZR/2018 dated-15.02.2019 valid up to 31.12.2023 is revoked.

19. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board.

Chauhan

Nishi Kumar Digitaly signed by Nishi Kemar Charles Baba: 2020.07;2111;14:49

Chief Environmental Officer

Circle-3.



## U.P. Pollution Control Board

Annemor II

### CONSENT ORDER

Ref No. -94791/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/ water/MUZAFFARNAGAR/2020

Dated: 21/07/2020

To.

Shri AJAY GARG

M/s MAHALAXMI CRAFTS AND TISSUES PVT LTD

9th Km, Jansath Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

MUZAFFARNAGAR

Sub:

Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974 (as amended) for discharge of effluent to M/s. MAHALAXMI CRAFTS AND TISSUES

PVT LTD

Reference Application No :8569907

Dated:21/07/2020

- For disposal of effluent into water body or drain or land under The Water (Prevention and control of 1: Pollution) Act, 1974 as amended (here in after referred as the act ) M/s. MAHALAXMI CRAFTS AND TISSUES PVT LTD is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure in refrence to their foresaid application.
- 2. This consent is valid for the period from 02/06/2020 to 31/12/2024.
- In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board 3 reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Nishi Kumar

Digitally signed by Nish Kumer Cheuhan Date: 2020/07/21 11:12:19

Chauhan

Chief Environmental Officer

Circle-3.

Enclosed: As above (condition of consent):

Regional Officer, U.P. Pollution Control Board, Muzaffarnagar. Copy to:

Nishi Kumar Kumer Chauhan Date: 2020.07.21 Chauhan 11:12:36 +05:30 Chief Environmental Officer

Circle-3.

# U.P. POLLUTION CONTROL BOARD, LUCKNOW

# Annexure to Consent issued to M/s.MAHALAXMI CRAFTS AND TISSUES PVT LTD vide

Consent Order No. 8569907/ Water

Dated: 21/07/2020

## CONDITIONS OF CONSENT

- This consent is valid for the approved production capacity of Kraft Paper-200 MT/Day using Waste Paper as main raw material.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior
  approval before making any modification in product/ process /fuel/ plant machinery failing which
  consent would be deemed void.

The quantity of maximum daily effluent discharge should not be more than the following:

	Effluent Disc	charge Details	
S.No	Kind of Effulant	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	2 KLD	Septic Tank
2	Industrial	400 KLD	ETP

- 4. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain.
- 4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent.

	Domestic Effulant	
S.No	Parameter	Standard
1	Quantity of Discharge	2 KLD

4(b) The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms.

	Industrial Effulant	W
S.No	Parameter	Standard
1	Total Suspended Solids	As per EPA Rules 1986
2	BOD	As per EPA Rules 1986
3	COD	As per EPA Rules 1986
4	Oil & Grease	As per EPA Rules 1986
5	Quantity of Discharge	400 KLD

- Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from
  washing of floor and equipments etc should be treated before its disposal with treated industrial
  effluent so that it should be according to the norms prescribed under The Environment (Protection)
  Act,1986 or otherwise mandatory.
- The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
- The industry will have to ensure compliance of the permission from the CGWA before ground water extraction and it will be the responsibility of the industry to comply with the various conditions of the permission taken.
- The industry shall submit Environmental Statement in prescribed form V rule no.14 of E.P Rules 1986.

- The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- Minimum 33% of the land on which unit is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.
- The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB.
- 12. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized. The unit will ensure facility to transmit data to CPCB server and submit a regular calibration certificate of Electro Magnetic Flow meter to the Board.
- 13. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
- Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.

## Specific Conditions:

1-The unit shall maintain strict supervision on fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.

2-In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQM-II/CPCB/P&P/ 14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.

3. The unit will not use agro based raw materials in the production process.

4-The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the SPCB and CPCB server.

5-Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
6-The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.

7-Industry has obtained CGWA permission for Ground Water extraction for 668 m3/day which is valid upto 06-08-2020. The renewal of the CGWA Permission shall be submitted within 3 months. 8-If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.

9-Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P. Rules 1986.

10-Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.

11-Industry shall install at sufficient height from the ground level Open to Network HD PTZ Camera at the inlet, Aeration Tank, Secondary Clarifier and outlet of Effluent Treatment Plant for On Line Monitoring and its URL and password shall be provided to the UPPCB Control room.

12-This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.

13-Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.

14-Industry shall submit quarterly monitoring reports of treated effluent from a certified / approved laboratory under E.P. Act 1986.

15-Industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.

16-The unit shall submit the audited balance sheet for the current year.
17-Board has already issued CTO to industry vide letter no 40889/UPPCB/MZR

(UPPCBRO)/CTO/Water/MZR/2018 dated-15.02.2019 valid up to 31.12.2023 which is revoked. 18-Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

Issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board .

Nishi Kurnar | Digitally signed by Nishi Kurnar Chauban | Date: 2020.07.21 11:1253 +05739

Chief Environmental Officer

Circle-3.



## **GROUND WATER DEPARTMENT**

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

## Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

VALID UP TO: 27/08/2026

Name of the Owner	AJAY GARG	THE RESIDENCE OF THE PROPERTY.			
Address of the Applicant	9th Km., Jansath Road., Muzatfarnagar	Application Form Serial No.	MZFN0821RIN0029		
Date of Submission	17/06/2021	Specimen Signature :			
Company Name	MAHALAXMI KRAFT AND TISSUES PVT. LTD.	Company Address	9th KM Stone, Jansath Road, Muzaffarnagar - UF		
NOC Issued By: अनायति प्रमाण पत्र (द्वारा निर्मेत)		and the first of the second second			
Central Ground Water Authority केन्द्रीय भूगर्भ जल प्राधिकरण	The state of the s		Yes		
Certificate Number प्रमाणपत्र संख्या	3957	Issue Date निर्ममन विधि	29/08/2018		
Expiry Date अतिम तिथि	06/08/2020		· · · · · · · · · · · · · · · · · · ·		
Ground Water Department Uttar भूगर्भ जल विभाग उत्तर प्रदेश सरकार	ond Water Department Uttar Pradesh जल विभाग उत्तर प्रदेश सरकार				
Location Particulars		TO CARAMONDO DO COMPONIO POR CONTRACTOR CONT			
District	Muzaflar Nagar	Block	MUZAFFARNAGAR		
Plot No./Khasra No.	21,26,17,19,20,22	Municipality/Corporation	No		
Ward No./Holding No.			NA.		
Particular of the Existing W	ell and Pumping Device				
Date of Construction/Sinking of the Well	10/04/2002				
Type of Well	Tube Well/Boring	Depth of the Well (in meter)	67.00		
Purpose of well	Industrial	Assembly Size(For Tube Well)	† · · · · · · · · · · · · · · · · · · ·		
strainer Position (For Tube Well)					
lype of Pump Used	Submersible	H.P. of the Pump	12.50		
Operational Device	Electric Motor	Rate of Withdrawal (m3/hr.)	45.00		
Date of Energization (In Case of I	Electric Pump)	17/04/2002	1,		
Maximum Allowable Rate of Vithdrawal (m3/hr.):	45.00	Maximum Allowable Running Hours Per Day:	8,00		
Contract of the Contract of th	the ground and the same of the	in his control of the			

Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण

CGWA has stopped giving permission

#### Against Case

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (3) for extraction of ground water at a rate not exceeding that as shown at St. (3g), for running hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf,

Place:

Date:

Yours Faithfully, Signature of the Issuing Authority and Designation

#### Conditions

- (1) In case of any change of ownership of the proposed well, frosh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters(conforming to BIS/IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 5(k) shall not exceed to the recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, tresh registration has to be obtained.
- . (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation
- . (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Cartificate of Authorization/ NOC shall be valid for a period of three years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninely days prior to expiry of its validity.
- . (9) Construction of plezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezameter should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Piezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation of piezometers are as follows for compliance of NOC:
- . The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- . The depth of the plezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one plezometer are installed the second plezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer menitoring.
- No. of plezometers to be constructed & Type of water level monitoring mechanism shall be its per below table:

	S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitiring Mechanism		
				Manual	DWLR with Telemetry	
Ì	1	< 10	0	0	0	
	2	11 - 50	1	1	0	
į	3	50- 500	1	0	1	
Ì	4	>500	2	0		

- . The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy,
- . The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Vister Department, Utter Pradesh, and for its
- . The ground water quality has to be monitored twice in a year during pre-monagen (May/June) and post-monagen (October/November) periods. Quality may be got analyzed from NABL approved lob. Besides, one sample (1 lt. capacity bottle) to the concerned Director,

Ground Water Department, Ultar Pradesh, for chemical analysis.

- +A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care off.

(11) Any other condition(s) that may be imposed by the concerned Authority.

 (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is trable for cancellation.

(13) Any other condition imposed by the concerned Authority

· SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.

ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.

- iii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation
  of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified
  auditors and submit audit reports within three months of completion of the same to CCWA. All such industries shall be required to reduce
  their ground water use by at least 20% over the next three years through appropriate means.
- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring
  mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3/day
  of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be
  constructed at a minimum distance of 15 m from the bore well-production well. Depth and aquifer zone tapped in the piezometer shall be
  the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.

v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, perticides/ insecticides, fertilizers, slaughter
house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

v) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.

- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the dats online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

This NCC is not authorized by any Official. This should only be used for Preview purpose. यह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावतीकन के उद्देश्य से प्रयोग किया जाना चाहिए।



## GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

## Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

VALID UP TO: 27/08/2026

Registration No.: 20210600	00341		
Name of the Owner	AJAY GARG		1
Address of the Applicant	9th Km , Jansath Road , Muzaffamagar	Application Form Serial No.	MZFN0621RIN0028
Date of Submission	16/06/2021	Specimen Signature	
Company Name	MAHALAXMI KRAFT AND TISSUES PVT. LTD.	Company Address	Sth KM Stone, Jansath Road, Muzaffamagar - Ui
NGC Issued By: अनापति प्रमाण पत्र (द्वारा निर्मेत)			
Central Ground Water Authority केन्द्रीय भूगर्भ जल प्राधिकरण			Yes
Certificate Number प्रमाणपत्र संख्या	3967	issue Date निर्मामन दिथि	29/08/2018
Expiry Date अंतिम तिथि	06/08/2020		
Ground Water Department Uttar भूगर्भ जल विभाग उत्तर प्रदेश सरकार	Pradesh	100 - 0	No
Location Particulars			
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	21,26,17,19,20,22	Municipality/Corporation	No
Ward No./Holding No.			NA
Particular of the Existing W	ell and Pumping Device		A STATE OF THE STA
Date of Construction/Sinking of the Well	10/04/2002		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	67.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	12.50
Operational Device	Electric Motor	Rate of Withdrawal (m3/hr.)	45.00
Date of Energization (In Case of I	Electric Pump)	15/04/2002	-
Maximum Allowable Rate of Withdrewal (m3/hr.):	45.00	Maximum Allowable Running Hours Per Day:	8.00
Maximum Allowable Annual Extra	action of Ground Water:	eur	129600

Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण

CGWA stopped giving Renewal NOC.

#### Against Case

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (3) for extraction of ground water at a rate not exceeding that as shown at St. (3g), for running hours 1 day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overloaf.

Place:

Date:

Yours Faithfully, Signature of the Issuing Authority and Designation

#### Conditions

- (1) In case of any change of ownership of the proposed well, tresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  meters(conforming to BIS/IS standards) having telemetry system in the abstraction structure, which record rate and quantum of
  extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said
  user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the
  recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, frash registration has to be obtained.
- (5) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NCC shall be valid for a period of three years from the date of issue. The applicant shall have to
  apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and
  zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders
  shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Plezometers and their Monitoring.
- Piezomater is a berewell tube wall used only for measuring the water level by lowering the taper sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC;
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the plezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the second piezometer should monitor the shellow ground water regime. It will facilitate shallow as well as
  deeper ground water aquifor monitoring.
- No. of plezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

	S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monttiring Mechanism		
1				Manual	DWLR with Telemetry	
	1	<10	0	0	0	
	2	11 - 50	1	1	0	
	3	50- 500	1	0	1	
	4	>500	2	0	9	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved tab. Besides, one sample (1 it, capacity bottle) to the concerned Director.

Ground Water Department, Uttar Pradesh, for chemical analysis.

- · A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care off.

(11) Any other condition(s) that may be imposed by the concerned Authority.

- (12) In case, any of the particulars I information furnished by the applicant in his application for leavance of this permit is found to be incorrect during ventication at any subsequent stage, this permit is liable for cancellation.
- (13) Any other condition imposed by the concerned Authority

· SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following: specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the

- iij All industries shall be required to adopt latest water efficient technologies as as to reduce dependence on ground water resources. III All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries trawing/ proposing to draw more than 10 m3/day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the plezometer shall be the same as that of the pumping well/wells. Morthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.

- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- . (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of downtering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for tollet flushing, car washing, gardening oto.

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावलोकन के तदेश्य से प्रयोग किया जाना चाहिए।



# UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website: www.uppcb.com

Ref. No: 17310/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated:03/10/2022

To,

M/s MAHALAXMI CRAFTS AND TISSUES PVT LTD

9th Km. Jansath Road, Muzaffarnagar, MUZAFFAR NAGAR, 251203

Tehsil:MuzaffarNagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 17310 and 03/10/2022.
- Reference of application (No. and date) 16349934 and 28/05/2022.
- Mr ANUBHAV GARG of M/s MAHALAXMI CRAFTS AND TISSUES PVT LTD is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 9th Km. Jansath Road, Muzaffarnagar.

### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGH TSDF	0.30 MT/Annum
2	CATEGORY 33.1 AS PER SCHEDULE I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGH TSDF	1.5 MT/Annum
CATEGORY 33.2 AS PER SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)		THROUGH TSDF	0.10 MT/Annum
4	CATEGORY 34.2 AS PER SCHEDULE I (Sludge From Treatment Of Waste Water Arising Out Of Cleaning / Disposal Of Barrels / Containers)	THROUGH TSDF	2.5 MT/Annum

- The authorization shall be valid for a period of 02/10/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).
- A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

## B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- Unit must deposit Environmental Compensation and submit the comply of the condition revocation letter of show cause notice issued by the Board.
- 3- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 4- The authorized person/agency shall ensure that no adverse impact on the air, soil and water

  RAKESH KUMAR TYAGI

  TYAGI

including groundwater takes place due to activities for which authorization has been requested.

- 5- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 6- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 7- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 8- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 9- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 10- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 11- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 12- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 13- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 14- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 15- You are directed to display online data outside the main factory gate with regards to quantity and

nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.

- 16- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 17- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 18- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 19- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 20- Ground water monitoring report of premises shall be submitted within one month.
- 21- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 22- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

( Authorized Signatory )

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022.10.05 20:05:32 +05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action.

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022;10.05 20:06:10 +05'30' CEO/EE, I/C Circle

## INDUSTRY INSPECTION REPORT (PULP & PAPER)

A. General section

Date of inspection:12.01.2024

1.	Name of the unit with complete postal address:	Shakumbhari Pulp & Paper Itd. 4.5 KM stone, Bhopa Road, Muzaffarnagar, Muzaffarnagar UP
2.	Spatial Co- ordinates (Latitude & longitude) in Decimal format only	29.472592 77.740493
3.	Industry Operational status	Operational
4.	Consent status	CCA dated 31.05,2023 and no:181564/UPPCB/MNAGAR/CTO/BOTH/MUZAFFARNAGARavailable with validity till 31.12.2027 Attached at Annexure I

B. Production process and infrastructure

5.	Process	Manufacturing of Kraft paper using recycled fiber (waste paper) of mixed type (imported/ indigenous) as per availability
6.	Raw material	
	a. Consented value	140 MT/D
	b. Actual consumption (as per logbook)	7783.96 MT (from Oct.23 to Dec. 23)
	c. Estimated dally consumption	93.78 MT/day
7.	Production	, , , , , , , , , , , , , , , , , , , ,
	a. Consented value	110 MT/D
	b. Actual Production (as per logbook)	6912.41 NT (from Oct.23 to Dec. 23)
	c. Estimated daily production	83.28 MT/day
	d. Yield (%)	89 % of raw material
	e. Estimated waste produce	11 % of raw material i.e. 10 MT/D
8.	Fresh water consumption	
	NOC from CGWA/other authorized body	UPGWB NOC available with validity till 18.11.2027
	b. Details of borewell	Two borewells with sealed flow meter found installed
	c. Permitted withdrawal quantity	360 KLD
	d. Actual withdrawal quantity	21882 KL (from Oct.23 to Dec. 23)
	e. Estimated daily withdrawal quantity	264 KLD
	f. Specific fresh water consumption	3.2 KL/MT of paper

		Sample location: Borewell 1	Paramet ers →	рН	COE	TDS	
		Depth: 180 ft.	Permissibl e Limit→	6.5- 8.5		2000	
			Sample→	7.8	BDL	340	
		are in mg/l except pH					
9.	Effluent I	lanagement					
	a. Consent	ed discharge value	150 KLD				
	(as per	ffluent generation logbook)	55961 KL	(from C	Oct.23	to Dec.	23)
	c. Estimate	ed effluent generation daily	982 KLD				12000
	within p	ecycling of treated effluent rocess	Partially to (Primary o	danifier)	F		clarifier
			Sedicell b Equalization Total recy	on Tan	k	08 KLD	4
	e. Treated	effluent (ETP outlet)	Discharge			17 KLD	
1.6		-1660 t -11 - t	4 4 10 000				
10.	f. Sp	ecific effluent discharge	1.4 KL/MT				
	Verification	on of ZLD ot opted for ZLD and daily dis	scharge around		LD tre	ated eff	fluent in
11.	Verification Unit has no local city of	on of ZLD  ot opted for ZLD and daily distrain flowing outside of bound reatment plant (ETP)	Process w (Sedicell)- clarifier-B	d 117 K aste wa Æqualiz Biologica	ter →k	rofta tank →i	Primary
11.	Unit has no local city of Effluent t	on of ZLD  ot opted for ZLD and daily distrain flowing outside of bound reatment plant (ETP)  nsists of	Process w. (Sedicell)- clarifier-8 Filter-0ut	d 117 K aste wa Æqualiz iologica	ter →k zation al treat	rofta tank →i ment→i	Primary Pressure
11.	Unit has no local city of Effluent to a. ETP cor	on of ZLD ot opted for ZLD and daily distrain flowing outside of bound reatment plant (ETP) nsists of	Process w. (Sedicell)- clarifier→B	d 117 K aste wa Equalisiologica at ased or	ter →k zation al treat n the a	rofta tank →i ment→i eration	Primary Pressure tenk
11.	Unit has no local city of Effluent to a. ETP cords.	on of ZLD ot opted for ZLD and daily distrain flowing outside of bound reatment plant (ETP) nsists of	Process wi (Sedicell)- clarifier-B Filter-Outl 850 KLD b capacity ETP inlet	aste wa Equalization	ter →k zation al treat n the a Electro meter cank is	rofta tank →i ment→i eration magnet after eq provide	Primary Pressure tank tic flow jualization
11.	Unit has no local city of Effluent to a. ETP cords.	on of ZLD ot opted for ZLD and daily distrain flowing outside of bound reatment plant (ETP) nsists of	Process w. (Sedicell)- clarifier-8 Filter-0utl 850 KLD b	aste wa Equalization	ter →k zation al treat in the a Electro meter tank is Yes, af meter also re primar meterineterineteric	crofta tanki menti magnet after eq provide ter Sed is provide cycle ur y clarifing, logit d water	Primary Pressure tank tic flow jualization ed icell flow ded. Unit nderflow of er without
11.	Verification Unit has no local city of Effluent to a. ETP correct b. Installe c. Meterin	on of ZLD of opted for ZLD and daily distrain flowing outside of bound reatment plant (ETP) disists of disapacity g at ETP	Process wi (Sedicell)- clarifier B Filter Outl 850 KLD b capacity ETP inlet	aste wased or	ter →k zation al treat the a Electro meter tank is res, af meter also re primar meterii recycle mainta	crofta tanki menti magnet after eq provide ter Sed is provide cycle ur y clarifing, logit d water	Primary Pressure tank tic flow jualization ed icell flow ded. Unit nderflow of er without pook of r is
11.	Unit has no local city of Effluent to a. ETP cords.	on of ZLD of opted for ZLD and daily distrain flowing outside of bound reatment plant (ETP) disists of disapacity g at ETP	Process w. (Sedicell)- clarifier-0 BFilter-0utl 850 KLD b capacity ETP inlet  Recycling points  ETP outlet	aste wased or it is	ter →k zation al treat in the a Electro meter tank is res, af meter elso re primar meterin recycle mainta Electro meter	crofta tanki menti magnet after ec provide ter Sed ts provide ter Sed ts provide ty clarifing, logit d water ined magnet	Primary Pressure tank tic flow jualization ed icell flow ded. Unit nderflow of er without pook of r is
11.	Verification Unit has no local city of Effluent to a. ETP correct b. Installe c. Meterin	on of ZLD of opted for ZLD and daily distrain flowing outside of bound reatment plant (ETP) disists of disapacity g at ETP	Process w. (Sedicell)- clarifier-0 BFilter-0utl 850 KLD b capacity ETP inlet  Recycling points	aste wa Equalizationogica et ased or	ter →k zation al treat in the a Electro meter tank is Yes, af meter elso re primar meterin recycle mainta Electro meter m3/hr.	crofta tanki menti magnet after eq provide ter Sed is provide cycle ur y clarifing, logic d water ined magnet	Primary Pressure tank tic flow jualization ed icell flow ded. Unit nderflow of er without book of is

					consent		
pН		5.3	6.8	6.5-8.5	Complyin		
		Tarana and		3.0 0.0	q		
BOD (	(mg/l)	4785	40	30	Non-		
COD (	(mg/l)	10680	148	150	complyin		
700 /	un a fith	4000			g		
TSS (		1650	126	30	Non- complyin		
TDS (	mg/l)	8760	1688	1600	Non- complyin		
Oil & (mg/I	Grease		20	*	*		
MLSS	/MLVSS ation	5140/2436 mg/l			The state of the s		
	P Sludge	generation					
a Ria	logical slu	dge generation	-	ETD cludes 350 V	a la Dan 33 an any finan		
(as pe	er logbook	)	1	10 dated 12.06.2	g in Dec 23 as per Form 024		
b. Da	ly sludge	generation	- 13	8 Kg/day			
c. Spe	ecific sludg	ge generation			produce (too less,		
d. Est	imated slu	dge generation @ 30		ndicates poor red 10 kg	ora keeping)		
ofi	nlet TSS I	oad at aeration tank					
e. Slu	idge Mana	gement & disposal		Provided to BOWML (TSDF) for final disposal Form 10 & Form 4 provided as record			
Rema		ge generation is very	less as	more than 85%			
Secon recycl Non-	dary slud ed back in paper sol	to pulper after prima id waste managem	ary trea	tment only.			
Secon recycl Non- Non-p	dary slud ed back in paper sol	to pulper after prima id waste managem waste generated	ent (p	atment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy)	of waste water has been Oct23 to Dec 23) toan Paper Ltd. authorized recycler PCB) for further recycling		
Secon recycl Non- Non-p (As po	idary sludi led back in paper solid er logbook waste gen	to pulper after prima id waste manageme waste generated )	ent (p	atment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK	of waste water has been Oct. 23 to Dec 23) toan Paper Ltd. authorized recycler PCB) for further recycling		
Secon recycl Non-p (As po	ed back in paper solid er logbook waste gen fic Non	to pulper after prima id waste manageme waste generated )	ent (p	etment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy provided by unit)	of waste water has been Oct. 23 to Dec 23) toan Paper Ltd. authorized recycler PCB) for further recycling and sales records are		
Non-p (As po Daily Specific gener	ed back in paper solid er logbook waste gen fic Non ation	to pulper after prima id waste manageme waste generated ) eration -paper solid waste general	ent (p	etment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy provided by unit) 1.23 MT/D 1.5 % of paper provided by unit) 2.9 MT/D against legbook data Hence actual nongeneration is mucestimated value in keeping.  Non-paper solid viound dumped in	of waste water has been Oct23 to Dec 23) toan Paper Ltd. a authorized recycler PCB) for further recycling and sales records are roduce 1.23 MT/D as per -paper solid waste ch lower than the indicates poor record waste huge quantity was		
Non-p (As po Daily Specif gener Poter @3.5	waste gen	to pulper after prima id waste manageme waste generated ) eration -paper solid waste general	ent (p	etment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy provided by unit) 1.23 MT/D 1.5 % of paper provided by unit) 2.9 MT/D against legbook data Hence actual nongeneration is mucestimated value in keeping.  Non-paper solid waste	of waste water has been Oct23 to Dec 23) toan Paper Ltd. a authorized recycler PCB) for further recycling and sales records are roduce 1.23 MT/D as per -paper solid waste ch lower than the indicates poor record waste huge quantity was		
Non-p (As po Daily Specif gener Poter @3.5	waste generation solution methods	to pulper after prima id waste manageme waste generated ) eration -paper solid waste generated id waste generated	aste	etment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy provided by unit) 1.23 MT/D 1.5 % of paper provided by unit) 2.9 MT/D against legbook data Hence actual nongeneration is mucestimated value in keeping.  Non-paper solid wond dumped in Acre open area.	of waste water has been Oct23 to Dec 23) toan Paper Ltd. a authorized recycler PCB) for further recycling and sales records are roduce 1.23 MT/D as per -paper solid waste ch lower than the		
Non-p (As po Daily Specif gener Poter @3.5	waste gen	to pulper after prima id waste manageme waste generated ) eration -paper solid waste generated id waste generated id waste generated	aste	etment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy provided by unit) 1.23 MT/D 1.5 % of paper provided by unit) 2.9 MT/D against ogbook data Hence actual nongeneration is mucestimated value in keeping.  Non-paper solid wond dumped in Acre open area.	of waste water has been Oct. 23 to Dec 23) toan Paper Ltd. a authorized recycler PCB) for further recycling and sales records are roduce 1.23 MT/D as per -paper solid waste ch lower than the indicates poor record waste huge quantity was unit premises, about 0.5		
Non-p (As po Dally Specific gener Poter @3.5	waste gen fic Non ation ation ation ation ation ber capacitick details CD installe	to pulper after prima id waste manageme waste generated ) eration -paper solid waste generated id waste generated id waste generated y	ent (p	stment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy provided by unit) 1.23 MT/D 1.5 % of paper provided by unit) 2.9 MT/D against ogbook data Hence actual nongeneration is mucestimated value in keeping.  Non-paper solid word dumped in Acre open area.	of waste water has been Oct23 to Dec 23) toan Paper Ltd. a authorized recycler PCB) for further recycling and sales records are roduce 1.23 MT/D as per -paper solid waste ch lower than the indicates poor record waste huge quantity was		
Daily Specific gener Poter  (As potential as Boil b. Sta c. APC d. Est	waste gen fic Non ation ation ation ation ation be of page ation a	to pulper after prima id waste manageme waste generated ) eration -paper solid waste generate id waste generate id waste generate id waste generate in anagement if y d earn requirement @	ent (p	stment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy provided by unit) 1.23 MT/D 1.5 % of paper provided by unit) 2.9 MT/D against ogbook data Hence actual nongeneration is mucestimated value in keeping.  Non-paper solid word dumped in Acre open area.	of waste water has been Oct. 23 to Dec 23) toan Paper Ltd. a authorized recycler PCB) for further recycling and sales records are roduce 1.23 MT/D as per -paper solid waste ch lower than the indicates poor record waste huge quantity was unit premises, about 0.5		
Daily Specific gener Poter  (As potential as Boil b. Sta c. APC d. Est T/T e. Fue	waste gen fic Non ation ation ation ation ation be of page ation a	to pulper after prima id waste manageme waste generated ) eration -paper solid waste generate id waste generate id waste generate id waste generate in anagement if y d earn requirement @	aste tion	etment only.  lastic waste)  101.95 MT (from provided to Silver Muzaffarnagar (an recognized by UK (agreement copy provided by unit) 1.23 MT/D 1.5 % of paper provided by unit) 1.23 MT/D against legbook data Hence actual nongeneration is mucestimated value in keeping.  Non-paper solid with a found dumped in Acre open area.  12 TPH Stack Height -36 ESP 150 T/day Bagasse and rice	of waste water has been Oct23 to Dec 23) toan Paper Ltd. a authorized recycler PCB) for further recyclin and sales records are roduce 1.23 MT/D as per -paper solid waste ch lower than the ndicates poor record waste huge quantity was unit premises, about 0.5		

1							e husk rom Oc	) t23 to De	c 23)	
	g. Daily fue	al consu	mptio	n		45	5.17 MT	7/D		
	<ul> <li>Estimated fuel consumption @ 3 T steam/ T of bagasse</li> </ul>					50	MT/D			
	i. Dally ash generation (As per logbook)				11	16 MT (	as per logb	ook from	Oct23 to	
	j. Estimated ash generation @ 2.5 % of bagasse and 17 % of rice husk consumed					f 1.	3 MT/E	or 1.4 MT/I	,	
	k. Ash gen		w.r.t	f fuel o	onsume	1 1.	6 %			
	(%)  L. Disposal	of ash	dener	hete		Di	onnend	of in low la	orden com-	
	m. Stack m					Da Pa ag	ate of M irticulat	lonitoring: te Matter (F tandard of	18/01/20 M): 43.2	24 by UPPO mg/Nm <sup>3</sup>
	Remark		1.0%			Hamou				
-	Actual fuel consumption ensure safe	en and a dispos	ash ge al of g	neratioi enerate	n at curre ed ash.	ion a ent pr	re in lis roductio	ne with the on rate, Ho	estimate wever, un	fuel it has to
2	Hazardous	waste	e man	ageme	int					
ľ	Authorization	on statu	IS			Av	ailable	with validit	y till 01.0	6.2025
	Copy of agr				rs /TSDF			with Bhara ent Ltd. Ka		ste
	Hazardous	waste g	jenera	ted		23 (a: (fo	s per M	e 250 Kg, 35 Liter and anifest for dated 06.	i cloths 1 hazardou:	5 Kg in Dec s waste
6.	Analysis res	sults of	recipie	nt drai	n (Local o	un drain	(t) ):			6 SE
	Sampling location	рН	Colo	BOD	COD	TSS	TDS	Sulphate	Nitrate	Phosphate
	Up Stream	6.69	50	60	191	112	1112	24.48	15.97	0.039
	Down Stream	6.59	60	112	445	126	1325	44.84	22.4	0.596
	T Suicelli		in mer/	except	nH and f		100			
7.	*All parame. Major obse	ervatio	n & K	ey issu	ies				visit.	
17.	*All parame  Major obse a. Unit b. Unit type MT// c. Unit whic prim d. OCE mg// e. Flow frest abst	ervation and ET is engue with e D. % yi has in the seem mary tree MS was MS datil.	n & K. P both aged I existing eld me stalled as ade atmen s found cons found cons limit o	ey issue to manual product assured to ETP of quate at only. It install umption of 360 kg.	les found open facturing ction of the as 89% of 850 KL is more the at our ction at the	eration of 183.28 of rail of the feet of 15.8 of the business	nal at the Kraft pig MT/d with mater assed or MS5 % with mg/l, the corewell do as 2	he time of oper using against ins	waste pa stalled cap y biologic is being r ted with mg/l and ook main inst daily	cacity of 1 cal treatme ecycled aft CPCB serve TSS as 21 tained, Da

were provided by unit.

- g. The analysis results of samples collected from ETP outlet shows pH: 6.8 (against the norms of 6.5 -8.5), COD: 158 mg/l (against the norms of 350 mg/l), BOD: 40 mg/l (against the norms of 30 mg/l), TSS: 126 (against the norms of 30 mg/l) and TDS: 1688 (against the norms of 1600 mg/l). Results indicate that unit is non-complying w.r.t consented discharge norms for BOD, TSS and TDS.
- h. The analysis results of sample collected from aeration tank shows MLSS/MLVSS as5140/2436 mg/l. Results indicate that the aeration tank of the unit is in stabilized condition.
- Characteristics of wastewater in recipient drain at downstream of unit (BOD-112 mg/l, COD-445 mg/l and Sulphate-44.84 mg/l) in comparison to upstream (BOD-60 mg/l, COD-191 mg/l and Sulphate-24.48 mg/l) indicate industrial contribution.

#### **Key Issues:**

- a. Flow meter was not installed at main ETP inlet line and recycling point from primary clarifier.
- b. Dumping of non-paper solid waste in huge quantity, was observed in open area of the unit premises.
- c. Unit does not have system for dewatering of biological sludge. Moreover, no dewatered biological sludge was found, during inspection.
- d. A by-pass line from bottom/underflow of Secondary clarifier carrying biological sludge, was found during inspection, which was dry and should be dismantled immediately.
- Sludge 1 kg of per MT of paper produced, is too less, indicates poor record keeping of ETP sludge generation.
- Actual Non-paper solid waste generation (1.23 TPD @ 1.5 %) not in line with the estimated generation (2.9 TPD @ Typical 3.5 % of produce) indicates logbook is not maintained properly.
- g. A by-pass line from Filter back wash in to ETP outlet drain was observed, which was dry during inspection and should be dismantled immediately.
- h. As per consent, unit has to reuse the treated effluent in irrigation or green belt within premises. However, unit found discharging treated effluent into the local drain flowing besides the unit boundary wall thus violating the consent condition.
- Unit found non-complying w.r.t consented discharge norms for BOD, TSS and TDS.

#### 18. Compliance Status

As per discharge norms:Non-complying

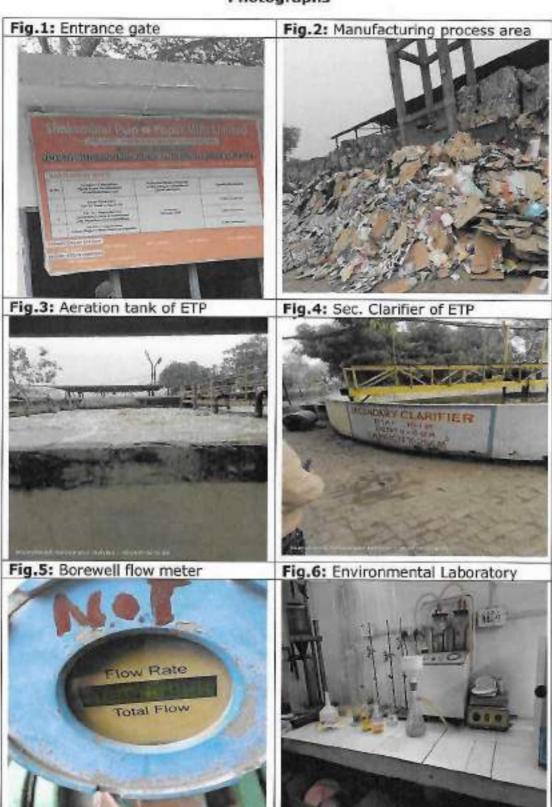
Overall compliance status:Non-complying (discharging treated effluent and bypass of biological sludge)

#### 19. Recommendations:

- Unit shall install flow meter with totalizer facility at main ETP inlet and recycling point of primary clarifier.
- Unit shallreuse the treated effluent in irrigation or green belt within premises as per consent condition
- Unit shall install sludge dewatering system for secondary sludge management and maintain the record properly.
- Unit shall maintain the plastic waste generation data properly and ensure disposal
  of plastic waste as per practiced legal scientific way.
- Unit shall dismantle the by pass line from secondary clarifier underflow line as well as filter back wash.

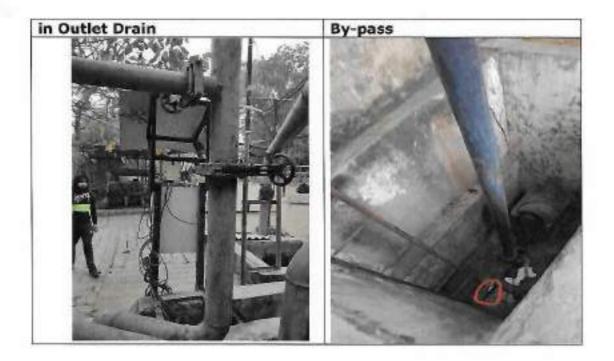
0.	Inspec	tion team details	:		
	Sr.No.	CPCB officials	Designation	Organisation	Signature with date
	1	Mr. C.B. Chourasia	Scientist E	CPCB, Delhi	- Bus
j	2	Mr. Vipin Kumar	RA-III	CPCB, Delhi	PHAMaus
	3	Dr. Vivek Rana	RA-I	CPCB, Delhi	Ware.
	Sr.No.	SPCB/SMCG officials	Designation	Organisation	Signature with date
	1	Mr. Y.K. Mishra	AEE	UPPCB	YO!
Ì	2	Mr. Pushkar Singh	TA	UPGWD	do-

## **Photographs**





Page 8 of 9





### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phore: 0522-2720828,2720831, Fax:0522-2720764, Email: infostingpek.in, Website: www.uppels.com

## 181564/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 31/05/2023

To.

## M/sSHAKUMBHRI PULP AND PAPER MILLS LTD

4.5 Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

Application no. 20527151

Date :- 2023-05-07

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s SHAKUMBHRI PULP AND PAPER MILLS LTD located at 4.5 Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:

- 1.1 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit	Permitted by the Board	
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	Waste Paper - 140 MT/Day, Ferric Alum- 4 MT/Day, Rosin - 30 MT/Day and Caustic	Kraft Paper- 110 MT/Day	Kraft Paper- 110 MT/Day

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.07.03 14:59:53 +05'30'

## 3. Production Process Infrastructure

S. No. D	Details	Declared by the	Permitted by the	
		Numbers	Usage / Process operation	Board

Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.

GHAN SHYAM (See ACLERYS 1984) 1917

# 590

- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

### 4. Water Conservation Measures

## A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical / Critical / Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2027-12-31
- 5. Details of Artificial recharge system/rain water barvesting unit (if any) installed with capacity
- Details of piczometer installed i.e., numbers with coordinates.

7. This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed		
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced		
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler < 2.5 m3/t paper With Power Boiler < 5 m3/t paper		

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/1 paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

## B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2073.07.03 15.00 11 + 05/30

S.No	CCA is valid for	Declared by the unit	Permitted
1	150 KLD	150 KLD	150 KLD THROUGH ETP - IRRIGATION/GREEN BELT/KOOKRA DRAIN TO DHANDERA DRAIN

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	< 9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

## 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to eater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 8.5	6.5 - 8.5	6.5 8.5	No discharge is allowed
TSS, mg/l	<- 30	<30	<30	No discharge is allowed
BOD, mg/l	<- 20	< 20	< 20	No discharge is allowed
COD, mg/	<- 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<- 1800	< 1600	< 1600	No discharge is allowed

Color, PCU	<- 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<= 8	-		No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted	
	Maximum daily discharge of sewage	3.0	
2	Treatment facility	SEPTIC TANK	
3.	Discharge point	SEPTIC TANK	

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; ECF bleaching for a
- d. Use of jet acrators for improved biodegradation in acration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
--------	-----------	------	------------------	---	--------------------------

1	1 X 1250 KVA DG Set	PNG/DJESEL (ONLY APPROVED FUEL BE PERMITTED AS PER CAQM DIRECTION)	AS PER E(P) RULES, 1986	ACCOUSTIC ENCLOSURE	AS PER CAQM DIRECTION
2	1 X 12 TPH BOILER	BIOMASST-100 MT/DAY (ONLY APPROVED FUEL BE PERMITTED AS PER CAQM DIRECTION)	33 Meter Stack Height from Ground Level	MULTI CYCLONE DUST COLLECTOR	AS PER CAQM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit < operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
  as is required for meeting the ambient noise standards for night and day time as prescribed for
  respective areas/zones (Industria) and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industr	ial Area	Commer	rcial Area
Day	Night	Day	Night
75	70	65	55

# Day time: from 6.00 a.m. to 10.00 p.m., Night time; from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior approval before making any modification in product/ process/ fuel/ plant machinery failing which consent shall be deemed revoked.
- 7. Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.

- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets\* Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- 12. made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc, and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

### Specific Conditions:-

- This CTO is valid only for the production capacity of Kraft Paper- 110 MT/Day by Using Main Raw Material As Waste Paper - 140 MT/Day, Ferric Alum- 4 MT/Day, Rosin - 30 MT/Day AND Caustic at Site 4.5 K.M. Stone, Bhopa Road, District-Muzaffarnagar, U.P.
- The Earlier Board has issued a CTO vide Ref No. 148786/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/water/MUZAFFARNAGAR/2022, Dated: 21/03/2022 and Ref No. 148788/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARN AGAR/2022, Dated: 21/03/2022 is revoked.
- The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 5. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate thee Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 6. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 8. The unit will not use agro based raw materials in the production process.
- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 10. The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 12. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 13. The unit shall ensure deployment of qualified manpower to step up self-monitoring mechanism on 24 ×7 basis.
- 14. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 15. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 16. The industry shall operate and maintain 1 X 12 TPH Boiler Installed With Multi Cyclone Dust Collector and 33 Meter Stack Height from Ground Level. Fuel to be used in the unit is Biomass 100 MT/Day. Unit also Operate And Maintain 1 X 1250 KVA DG Set with acoustic enclosure and stack height as per norms. Diesel/PNG used as a fuel in DG Set. Only approved fuel be permitted as per CAQM direction in Boilers and DG Sets.
- 17. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 18. As per the directions given by Commission for Air Quality Management in National Capital Region and GHAN SHYAM Date: 7023.07.03 15:01:07 - 00:307

Adjoining Areas vide its letter no-A-110018/01/2021 CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM a tpoint no. 65.

- 19. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 20. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 22. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 23. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 24. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 25. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 26. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 27. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 28. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 29. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 30. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 31. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P. Rules 1986.
- 32. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board.
- 34. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 35. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 36. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time. GHAN SHYAM Disc; 2033/93/15/01/18 -05/30

- 37. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 38. The unit shall submit the audited balance sheet for the current year.
- 39. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 40. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppeb.com/pdf/Green-Belt-Guidle 160218.pdf.

GHAN SHYAM Digitally suggested by Callan SHYAM Digitally suggested by Callan SHYAM Digitally suggested by Callan SHYAM

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Date: 2023.07.03 15:01:35 -05:30

Chief Environmental Officer (Circle 3)



# GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC036288 VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2021	12000328		
Name of the Owner	GRISH KUMAR AGGARWAL		
Designation पद	MANAGING DIRECTOR	Company Name कंपनी का नाम	SHAKUMBHRI PULP AND PAPER MILLS LMITED
Company Address कंपनी का पता	4.5 KM, BHOPA ROAD, MUZAFFAR NAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	4.5 Km Stone , Bhopa Road , Muzeffernegar	Application Form Serial No.	MZFN1221NIN009
Date of Submission	16/12/2021	Specimen Signature	
Location Particulars			
District	Muzaffar Nagar	Block	Municipal Corporation/Nagar Palika Parishad, Muzaffar Nagar
Plot No./Khasra No.	4,5KM	Municipality/Corporation	No
Ward No./Helding No.			N/A
Particular of the Propo	osed Well and Pumping Device		
Date of Construction/Sinking of the Well	15/03/2020		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	110.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube	e Well)		
Type of Pump Used	Submersible	H.P. of the Pump	10.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	11,00

Date of Energization (In Ca	se of Electric Pump)	20/03/2000	
Maximum Allowable Rate of Withdrawal (m³/hr.):	11.00	Maximum Allowable Running Hours Per Day:	10,60
Maximum Allowable Annual Extraction of Ground Water:	38500	Recharge Required	38500,00

- This No-Objection certificate authorizes the owner applicant (user) to sink a woll in the location specified at SL (2) for extraction of
  ground water at a rate not exceeding that as shown at SL (3), for Running Hours per day as shown at SL (3k), and for maximum
  allowable annual extraction of ground water as shown at SL (3k) and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 38500.00 cubic meter, as specified under the application form within the given time period.

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed wet as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet
  of purping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is
  proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water maters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SL(2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renew at through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with toleracity shall be mendatory for user. Depth and zone tapped
  of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made
  available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Plezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment, it is also used to take water sample for water quality testing when ever needed. General guidelines for installation of plezometers are as follows:

- o The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping wiell through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more
  than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as
  well as deeper ground water aguirer monitoring.
- Na. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No	uantum of Ground water withdrawal (cum/day) No.of piezometers required	Monitring Mechanism		
	,	resor presoreioro requireu	Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	241
4	> 500	2	0	2

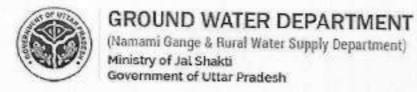
 The measuring frequency should be monthly and accuracy of measurement should be up to on, the reported measurement should be given in meter upto two decimal.

- For measurement of water level sounder or automatic water level recorder (AVVLP)/ Digital Automatic water level recorder (DVVLP)
  with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wats has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly low ored should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Littar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Basides, one sample (1 it capacity bottle) to the concerned Director. Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions;
- I) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CIIV Federation Indian Chamber of Commerce and Industry (FICCI)) National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Littar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m² /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore wall/production well. Depth and equifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monithly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house,
  explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) hjection of treated/ untreated waste water into equifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye. Chemical/ Patrochemical. Coal washeries, other hazardous units etc. (as par CPCB list) need to undertake necessary wiell head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>2</sup>.
   idey. The water from STP shall be utilized for tollet flushing, car washing, gardening etc.

Date 18/02/2022

Flace:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



# Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Utlar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC039241 VALID FROM 19/01/2022 TO 18/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2021	12000327		
Name of the Owner	GRISH KUMAR AGGARWAL		
Designation पद्	MANAGING DIRECTOR	Company Name कंपनी का नाम	SHAKUMBHRI PULPAND PAPER MILLS LIMITED
Company Address कंपनी का पता	4.5 KM,BHOFA ROAD, MUZAFFAR NAGAR	Authorization Latter प्राधिकार पत्र	Dawnload
Address of the Applicant	4.5 Km Stone , Bhopa Road , Muzeffernegar	Application No.	MZFN1221NIN009
Date of Submission	16/12/2021	Specimen Signature	
Location Particulars			
District	Muzaffar Nagar	Block	Municipal Corporators/Nagar Palika Parishad, Muzaffar Nagar
Plot No./Khasra No.	4.5KM	Municipality/Corporation	No
Ward No./Holding No.			NA
Particular of the Existin	ng Well and Pumping Device		
Date of Construction/Sinking of the Well	15/03/1996		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	110,00
Purpose of well	Industrial	Assembly Size (For Tube Well)	
Strainer Position (For Tube	Well)		
Type of Pump Used	Submersible	K.P. of the Pump	15.00
Operational Device	Electric Motor	Rate of Withdrawal	25,00
		(m <sup>3</sup> /hr.)	

Maximum Allowable Rate of Withdrawal (m³/hr.):	25.00	Maximum Allowable Running Hours Per Day:	10.00
Maximum Allowable Annual Extraction of Ground Water:	87500	Recharge Required	87500.00

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SL (2) for extraction of
  ground water at a rate not exceeding that as shown at SL (3), for Running Hours per day as shown at SL (3k), and for maximum
  allowable annual extraction of ground water as shown at SL (3k) and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 87500.00 cubic meter, as specified under the application form within the given time period.

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- All Users abstracting ground water in excess of 100 m3/d shall be required to submit impact assessment report prepared by an accredited
  consultant from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks
  and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence
  etc. within three months of completion of the same to Ground Water Department Uttar Pradesh. The list of accredited Individuals/ Institutions is
  available on the official web-portel of CGWA.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affordigital water flow meters
  (conforming to BIS/IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet
  of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is
  proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without
  prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars l'information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is fiable for cancellation.
- The Certificate of Authorization/ NDC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renew at through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped
  of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made
  available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Rezoneter is a borewell /tuber all used only for measuring the water level by low ering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of prezoneters are as follows:

- The plezometer is to be installed/constructed at the minimum of 50 m distance from the pumping will through which ground water is being withdrawn. The diameter of the plezometer should be about 4" to 6";
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more
  than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as
  well as deeper ground water aquifor monitoring.
- a No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day) No.of piczometers required	Montiring Mechanism		
	The state of the s	No. or presoniciers requeed	Manual	DMLR with Telemetry
1	≤10	0	0	0
2	11 - 50	1	1	0
3	50-500	.1	.0	1.
4	> 500	2	0	2

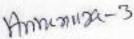
- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLF)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wrells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly low ered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.

- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at plezometer/Tube wells site for providing the location, plezometer/tube well number, depth and zone tapped of plezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- ii) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the
  desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m²/d shall be required to undertake annual water audit through Confederation of Indian Industries (City/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Ultur Phadesh, All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- w) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup> /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well-production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house,
  explosives etc.) shell store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewlatering, proponent shall be required to carry out regular monitoring of dewlatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date :18/02/2022

Place Muzaffar Nagar

This certificate is electronically generated and does not require digital signature





# UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Ref. No: 11448/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2020 Dated: 02/06/2020

To.

M/s SHAKUMBHRI PULP AND PAPER MILLS LTD

4.5 Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Tehsil:MuzaffarNagar

District :MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 11448 and 02/06/2020.
- Reference of application (No. and date) 7668791 and 13/02/2020.
- Mr GIRISH KUMAR AGGARWAL of M/s SHAKUMBHRI PULP AND PAPER MILLS LTD is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at within premises.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule-I, Cat. 5.1 Used or spent oil	Through TSDF	0.140 Ton/Annum
2	Schedule-I, Cat. 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Through TSDF	0.560 Ton/Annum
3	Schedule-1, Cat. 33.2 Contaminated cotton rags or other cleaning materials	Through TSDF	0.035 Ton/Annum
4	Schedule-I, Cat. 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	Through TSDF	1 Ton/Annum

- 1. The authorization shall be valid for a period of 01/06/2025 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.

- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or
  pre-processing or utilisation of imported hazardous or other wastes shall be treated and
  disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

# B Specific Conditions of Authorization

- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 4. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter.You should also maintain records on Form-3 and present it to Board's inspecting officials.

- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 7. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 8. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 9. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 10. Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 11. It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 12. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 13. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 14. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 15. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 16. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 17. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 18. Ground water monitoring report of premises shall be submitted within one month.
- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

( Authorized Signatory )

Nishi Kumar Chauhan Digitally signed by Mishi Kumur Chaufran Bate: 2020:06.15 17:10:38 +05'20'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Muzaffarnagar for information and

necessary action.

Nishi Kumar

Digitally signed by Note Kurrar Chousen Date: 2020366,15 17:16:45 +05/307

Chauhan Chauh

CEO/EE, I/C Circle

# INDUSTRY INSPECTION REPORT (PULP & PAPER)

## A. General section

Date of inspection: 27/12/2023

1.	Name of the unit with complete postal address:	M/s Galaxy Papers Private Limited, 9.4 Km Stone, Jolly Road, Muzaffarnagar-251001 (U.P.)
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.445271, 77.77414
3.	Industry Operational status	Operational
4.	Consent status	CCA dated 20/12/2022 and no: 169964/UPPCB/Muzaffarnagar(UPPCBRO)/CTO/both/ MUZAFFARNAGAR/2022 available with validity till 31/12/2025 (Annexed)

5.	Process	Manufacturing of Kraft paper	
6.	Raw material	page as	
	a. Consented value	120 TPD	
	b. Actual consumption (as per logbook)		
	c. Avg. daily consumption	47.68 MT/D	
7.	Production	Two borewells installed:  • UPGWD NOC (Reg. no. 20 available with validity till 18/07/2  • UPGWD NOC (Reg. no. 20 available with validity till 30/03/2  Two borewells with flow meter foundity 300 KLD  10416.49 KL (as per logbook of Se 2023)  ilty 131.85 KLD  vater 2.4 KL/MT of paper  01 with telemetry   ZLD unit with no discharge outside 16341 KL (from Sep 1-Nov 30, 202 no. 3.82 KL/MT  Total recycled (38201 KL, from Sep 1-Nov 30, 2023)  8.94 KL/MT  A part of effluent from sedicell &	
	a. Consented value	100 MT/d	
	Actual Production (as per logbook)		23)
	b. Avg. daily production	46.96MT/day	
	c. Yield (%)		
	d. Non-paper waste production		MT/day
8.	Fresh water consumption		rriguey
	a. NOC from CGWA/other authorized body	UPGWD NOC (Reg. no. 2 available with validity till 18/07/     UPGWD NOC (Reg. no. 2	2025 0220300027
	b. Details of borewells	Two borewells with flow meter four	nd installed
	c. Permitted withdrawal quantity		TO THOUSANDS
	d. Actual withdrawal quantity	10416.49 KL (as per logbook of S 2023)	ep 01-Nov 3
	e. Avg. daily withdrawal quantity	131.85 KLD	
	f. Specific fresh water consumption		
	g. Piezometric well	01 with telemetry	
9.	Effluent Management		
	a. Consented discharge value	ZLD unit with no discharge outside	unit
	b. Actual effluent generation (as per logbook)	16341 KL (from Sep 1-Nov 30, 20	23)
- 17	c. Avg. daily effluent generation	209.50 KLD	
	d. Specific effluent generation	3.82 KL/MT	
	e. Actual recycling of treated effluent within process		489.75 KU
ì	f. Specific effluent recycle	8.94 KL/MT	
	g. Remark	A part of effluent from sedicell & directly taken into recycle equalization tank. Metering at a	pit befor

1.00	72		screen is r	not provided.			
10.	Effluent treatment p	lant (ETP)		- Charles distributed			
	a. ETP consists of		(from Machine) → Equalization Tank →Sedi-ce → Hill Screen → Collection Tank → Returned				
	b. Metering at ETP		Machine ETP inlet	Yes, logbook	malatala sel		
			Recycling	Yes, logbook			
	c. Operational status	Operation					
	d. OCEMS at ETP outle	it	Unit has	et: 36.94 m <sup>3</sup> /h installed web /CPCB server.	cam (PTZ) connecte		
- 8	e. Effluent Characte	ristics	Wall Dreet	y or our server.			
	Parameter ETP inlet		Recyc	led effluent	Norms as per consent		
- 3	рH	5,8		5.7	Unit is operating on		
- 13	Colour (Hazen)	BDL		BDL	ZLD system		
- 5	BOD (mg/l)	12360		11567	diagoni		
	COD (mg/l)	31461		25169			
	TSS (mg/l)	12600	0	10942			
1	TDS (mg/l)	24270		22860			
- 0	NO <sub>3</sub> -N (mg/l) 17		14				
(0	Sulphate (mg/l) 279			426			
	f. ETP Sludge gener	ation		A178434 12			
	Biological sludge generation     (as per logbook)     Estimated sludge generation @     30 % of inlet TSS load		Logbook not provided 791.91 Kg/d				
	c. Remark	Logbook data for sludge generation and it disposal is not provided by the unit.					
11.	Non-paper solid was a. Non-paper solid	W-LOCATOR HELLING	11.77.44.54.03.73.99	- TOTAL NO-SOLE	2022) amounted to MC		
	generated (As per lo	Harshit Tr Village-Jha Jaipur, Raj receipts a 29/02/202	rading Compar alra, Tehsil-i jasthan for furt nd CTE (valid 8) issued to	2023) provided to N/ ny, Khasra no. 79/2 Gshangarh Renwal ther recycling (Copy of from 21/03/2023 to M/s Harshit Tradin- rovided by unit).			
- 9	b. Dally waste generati		0.26 MT/D				
	<ul> <li>Specific Non-paper generation</li> </ul>	solid waste	0.48 % of product				
	d. Potential solid generation @3.5 %		1.89 MT/D.				
	e. Remark	The logbook data provided for plastic wast 0.26 MT/day) is much less than the estimate value (1.89 MT/day) of plastic wast generation, indicates poor record keeping.					
12.	Air Pollution manage	ment		2	record needing.		
	a. Boiler capacity		12 TPH				
	b. Stack details		Stack Heig				
	c. APCD installed			ne and Wet Sci	rubber		
	<li>d. Estimated steam red 1.7 T/T of paper pro</li>	duce	79.83 T/Da				
	e. Name of the Fuel use						
	<li>f. Fuel consumption logbook)</li>	(as per	Bagasse and Jhamel Jhamel-12.17 MT/D Bagasse-18.49 MT/D				

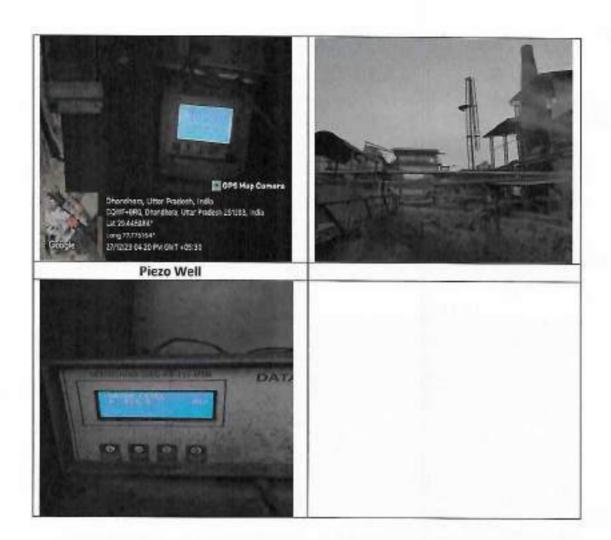
					*	Based on	logbook da	ata fron	n Sep i	to Nov	, 202	
	g. Estimated 2.7 T stea				@ Z	9.5 MT/D		100000000		7/7/10/50		
	h. Daily fuel	consum	ption		1	1.36 MT/I	D					
	I. Estimated 2.75 % of	ash	genera	ition d		0.31 T/Day						
	j. Stack mo				P	M-49.2 m	g/Nm³ (an	ainst 80	ma/N	(m³)		
	k. Remarks					PM-49.2 mg/Nm <sup>3</sup> (against 80 mg/Nm <sup>3</sup> )  Logbook for boiler ash generation & disposal is						
13.	Hazardous	wanto			n		ined by the		2011	- 41395	raul 15	
				emen		Legal Incom						
	Authorization	Copy of agreement with recyclers /TSDF				UZAFFAR	on dat CB/Muzaff NAGAR/20 026(Annex	arnagar 20 ava	01.03. (UPPC ilable	BRO)/	ne HWM/ validi	
						vailable	with TSD nt Ltd.,	F (Bha	irat C ir, Ka	oil &	Wast Deha	
	Hazardous wa	Cotton waste-145 Kgs and plastic waste-510 Kgs (as per Manifest for hazardous waste (form 10) dated 15/12/2022, 29/03/2023, 27/06/2023 AND 22/09/2023).										
4.	Groundwater analysis results (inside unit premises)											
	Parameters	pH	Color	COD	TDS		Total Alkalinity	CI-	SO <sub>4</sub> "	P	NO <sub>3</sub> -N	
	Acceptable limit as per BIS IS 10500:2012	6.5÷ 8.5	05		500	200	200	250	200	01	45	
	Results	7.8	BDL	3	230	186	58	12	27	0.33	2.69	
	Parameters	NO2-N	Na+	K+	Ca <sup>24</sup>	Mg <sup>2+</sup>	PO43-	Cond.	TSS	Sulp		
	Acceptable limit as per BIS IS 10500:2012		•		75	30		٠		0.05		
	Results	0.12	15	5	34	24	0.2	440	17	5.2	-	
15.	"All parameters  Analysis result  Upstream of th	s of reci										
	pH	0	Color		В	OD	COD		Nitrate	8		
	6.89		100		1	52	516	= 15	0.541			
	TSS		TDS			shate	Phosphat	e				
	190		1460		13	1,96	0.908					
	Downstream o	-										
	pH		Color			OD	COD	Nitrate				
	6.9		80			24	664.8		1.52			
	TSS		TD5			ohate	Phosphat	e				
	176	1 3	1564		11	6.63	0.704	-10				
	*All carameters -	no in our	T descent			Unave 1						
16	*All parameters a Major observ	re m mg	r except	pri ti C	osor ()	nazen).						
20.	a) Unit is ach     b) Plastic was     disposal. H	leving 2 ste gen	erated	by th	e uni	t is sent	to M/s Har	shit Tra	adina	Como	any fo	

	e) The high levels of BOD, COD and TDS indicates that, unit is recycling the treated effluent in the process. f) Logbook for boiler ash generation and its disposal is not maintained by the unit. g) The water quality of drain indicates industrial contribution into drain.
	Key Issues     a) Unit has provided data for plastic waste generation of 0.26 MT/day, which is much less than the estimated value (1.89 MT/day) of plastic waste generation indicating poor record keeping.     b) Record for sludge and boiler ash generation and disposal is not maintained by the unit     c) Industrial contribution in recipient drain (Dhandera drain).
15,	Compliance Status Unit is complying w.r.t. consented condition of ZLD
16.	Recommendations:  a) Unit shall maintain proper logbook for generation & disposal of plastic waste and boiler ash.  b) Proper record for sludge generation & disposal should be maintained.

Inspec	tion team details:				
S. No.	Name of official	Designation	Organisation	Signature	
1.	Dr. R. K. Singh	Scientist 'D'	CPCB Delhi	DULING	
2.	Dr. Prabhat Ranjan	Scientist 'B'	CPCB Delhi		
3.	Sh. Imran Ali	Asst. Environment Engineer	RO, UPPCB, Muzaffarnagar	Or.	
4.	Sh. Ashish Kumar	Hydrologist	UPGWD	(N)=	
5.	Ms. Yogita Mishra	Research Associate-II	CPCB Delhi	yaghe	
6.	Dr. Vivek Rana	Research Associate-I	CPCB Delhi	Iday.	

### Photographs







### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppeb.in, Website: www.uppeb.com.

169964/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2022

Date: 20/12/2022

To.

M/s

GALAXY PAPERS PRIVATE LIMITED

9.4 KM, JOLLY ROAD, VILL BHANDURA, MUZAFFAR NAGAR,

Application Id-18627228

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to GALAXY PAPERS PRIVATE LIMITED located at 9.4 KM, JOLLY ROAD, VILL BHANDURA, MUZAFFAR NAGAR, subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:

 This CCA GALAXY PAPERS PRIVATE LIMITED granted for the period from 01/01/2023 to 31/12/2025 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	KRAFT PAPER-100 MT/DAY	100	Metric Tonnes/Day

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	30 KLD	Septic Tank	
Industrial	ZLD	ETP	ZLD

(ii) Trade Effluent Treatment and Disposal:-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:-

# Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	COD	AS PER E(P) RULES,

2	BOD	AS PER E(P) RULES, 1986
3	рН	AS PER E(P) RULES, 1986
4	OIL AND GREASE	AS PER E(P) RULES, 1986
5	TOTAL SUSPENDED SOLIDS	AS PER E(P) RULES, 1986

- (iv) Sewage Treatment and Disposal:- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- (v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
1	pH	AS PER E(P) RULES, 1986
2	BOD (mg/L)	AS PER E(P) RULES, 1986
3	TSS (mg/L)	AS PER E(P) RULES, 1986
4	Fecal Coliform (MPN/100ml)	AS PER E(P) RULES, 1986

- 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-
- i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

#### Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
40	1 X 12 TPH BOILER WITH MULTICYC LONE AND WET SCRUBBE R	BIOMASS 40 MT/DAY	01	Particulate Matter	30 METER STACK HEIGHT FROM GROULD LEVEL

# **Emmission Quality Standards**

S No.	Stack no	Parameters	Standards
1	01	Particulate Matter	AS PER E(P) RULES, 1986

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

- (ii) The unit will not use any type of restricted fuel.
- iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective

ABHISHEK TRIPATHI Digitally signed by ABHISHEK TRIPATHI Date: 2023.03.17 16:57:50 +05'30'

areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:-Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	200000000000000000000000000000000000000	strial rea		nercial rea	7 10 10 10 10 10 10 10 10 10 10 10 10 10	lential rea	Silence Zone	
	Day Time	Night Time	Day Time	Night Time		Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

- 4. Essential documents to be submitted by the Industry/Unit as Applicable :-
- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- 5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upecp.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.
- 8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

### General Conditions:-

- The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- Treated Industial waste water and domestic waste water shall be disposed jointly at one disposal point.
   The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
- 7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
  Digitally signed by ABHISHEK

ABHISHEK TRIPATHI TRIPATHI

Date: 2023.03.17 16:57:58 +05'30'

- The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- 12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

## Specific Conditions:-

- This CTO is valid only for the production capacity of KRAFT PAPER-100 MT/DAY by using WASTE PAPER 120 MT/DAY as raw material.
- 2. The industry must complied the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- 3. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.
- This consent is valid only for Zero Liquid Discharge (ZLD). No effluent is allowed to discharge outside the factory premises.
- Industry must install STP within 3 months for treatment of domestic effluent and submit the proposal for the same in the Board within one month.
- Industry shall submit Analysis/Emission report from MOEF&CC or UPPCB approved lab within a month after operation of the unit and on quarterly basis to the Board.
- 7. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 8. The unit will not use agro based raw materials in the production process.
- 9. The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 10. The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 11. Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 12. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 14. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 15. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 16. The industry shall operate 12 TPH Boiler with MultiCyclone and WetScrubber and 30 meter stack height. Fuel for Boiler is -40 MTD BIOMASS. The APCS will be maintained and operated in such a manner

that emissions always conform to the standard laid down under the E.P Act 1986 as amended.

- 17. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022, Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM at point no. 65.
- 18. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 19. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 20. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 22. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB, Bulandshahr on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 23. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 24. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 25. Industry shall submit stack/ambient air quality monitoring report from Boards Laboratory, after starting the production within one month and on quality basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 26. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 27. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 28. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 29. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 30. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 31. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P Rules 1986.
- Industry shall submit analysis reports from a certified / approved laboratory under E.P. Act 1986 within a month and on quarterly basis to the Board.
- 33. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 34. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 35. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including

environmental pollution.

- 36. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 37. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 38. Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 39. The unit shall submit the audited balance sheet for the current year.
- 40. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

ABHISHEK TRIPATHI Digitally signed by ABHISHEK TRIPATHI Date: 2023.03.17 16:38:21 +05'30'

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

ABHISHEK TRIPATHI
Digitally signed by ABHISHEK TRIPATHI
Date: 2023.03.17 16:59:27 +05'30'

Chief Environmental Officer (Circle 3)



## GROUND WATER DEPARTMENT

(Nament Garge & Rural Water Supply Deportment) Ministry of Jal Shakti Government of Uttar Pradech

Foren 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Unior Product Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/NO-OBJECTION CERTIFICATE NO:

VALID FROM \$1/03/2022 TO 30/03/2021

Name of the Applicant GYAMPLAKASH BELIFFA TROUGHT NEW Applicant White offered seastfamous Company of Facuur Company Nation GALANY BAPERS HUMAIN LIMITED Company Address STHERM STONE, HYLLY ROAD MUZAPI ARMAGAR Serial No. of Application from MATSHEEDSHILL Date of Submission 14/03/2022 Specimen National of the User Limiting porticulars: Maraopal Corporation/Nami Philip Partial Maratta Musuffar Nova Mode 41. 20 ation. Managality Corporation Ward No. NIX Holdan No. BIA Date of Energiantion (In Case of Electric Postp) Barte of Williams at an Place 20/12/2003 Particulars of the Proposed Well and Pumping Bevice: hare of the West Take Well-Borner Personne of the Well Inhabet. Assemble Sor that Take Wells 40.00 Approx. Straker Longth (For Take Well) Disputer that the Neth 416 Egge of Pump to be Limit: Selvonobly H.E. of the Poster Operational Device Diarmo Mouve Maximum Allowable Barring Hears Per-Manieum Allasoble Rate of Willidowski autikny. 31.91 Maximum Allowable Arrenal Entraction of Grassel Water ......

The Northbornes optimize addresses the owner applicant touri to call it will inthe longitud applicable (2) by extraction of ground many in a rational missionly feet in durant or (3), for Feeting the action as 3. The surple manifested interest artistic of ground water in chosen as S. (1) in the adject to the absorption and provide manifested interest artistic of ground water in chosen as S. (1) in the adject to the absorption and provide manifested in the adject of the adject of the adject to the absorption and provide manifested in the adject of the adject

Date

Yours Fatterin NEGATION OF THE PROPERTY AND ASSESSED. and Dougration

#### GENERAL CONDITIONS:

Distance of the change of committing of the program of the program is the enterprise of the program of the committee of the program of the program of the committee of the program of the program of the committee of the program 
- for an office of Authorisative NOC shell be valid for a parted of the a years from the date of some The applicant shall have an apply for removal through a feeth application, relicuit assets they part to expense of 16 relates

  Construction of properties and receibbles of digital water level receibble with belonging shall be consistent. For some tapped of preventer should be constructed with that of 60 property shall be consistent. The first observed from that it naturally shall be note to private the shall be consistent and that the note to private the first observed from that it naturally shall be note to private the first observed from that it naturally shall be noted to private the first observed from that it naturally shall be noted to private the first observed from the first obser

Description of above of the first transport o

- The presentation is to consider constructed as no narrows of the parameter from the groups part group which you a long residence. The therete of the parameter should be about the parameter of the parameter should be about the parameter of the param
- The depth of the parameter should be some on a cone of the purpose, and from the depth of source is the control of the parameter should be some of the purpose of the

3 No	Quietast of Ground water withdrawed securities)	No al proveneuro regund	Montanip Machinen	
		and planting in the same	Manual.	1900 Block filmers
1	+ 13	.0	0	-
2	11 - 90	F.E.	t t	
4	40.400	1		
4	-911	2		78

- This incomerse for your should be mouth and accurate of inquisioning thoughts in the reported consequent algorith by give an instant ground constant of the expension of which has been according to the expension of the expe

- SOURCES CONDITIONS:

- NOW NOW CONDITIONS:

  IAI For Industrial Elect. No Disposated Only instance for greated water countries by additional to be designed to be designed to design the design of the design of the property of the design 
- (At Informational User: The No Objection Conductor for present contradictions will be present adopted adjusted includes one specific medianom.

  If it this of efformation proper feet required exercises an executive first surround in the contradiction of efformation and explained and executive and executive first surround. The contradiction is explained to the executive feet of the executive first surround. The contradiction of the executive feet of the execut
- interesting at Secure Transaction (See Section 1) and be automatical for one property whose ground was improved a more from 20 and the concernance of facilities and the control of the concernance of the CAKOLSTAL

This NOC is not authorized by any Official. This abould only be used for Preview purpose. यह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावसोकन के उद्देश्य से प्रयोग किया जाना चाहिए।



### Form 3 (A) (Commercial or Industrial or Infrastructural or bulk user)

### Certificate Of Registration Of Existing/New Well

[FISD(1) of the Uttar Peatlesh Ground Water Management and Regulation Act, 2019)

Registration No.: 282281080342

Names of the Owner GYANDLAGASH BEIATLA Nicloss of the Applicant White pilly read excurtament Straffers Form Seriel No. MZINHIZZEZWIEL Date of Submission Specieson Signature Company Same GALANT PURRENBURGET UNETER Company Address OTHERSCHOOL THEIR BOND MCZATLARNADAR Location Pagarobio Biomist Mountly Natur Shareand Formation Name Faith (Booking Months Name) Marcha (Khana Na. Municipality/Corporation Word Nurthriday No. NA Particular of the Existing Well and Pumping Device Date of Conception/Sinking of the West HIVENDAM PROS Transf Well Table Work Donnier Bepth of the Well (In water) 90 00 forgoe of widt Entertral Aurentis Singley Take Wells Strates Politica (Fee Jule Well) Spend Front Last Naborovich. H.P. of the Pump. 531

This are finance of registration or install to the hairs of the administratification for expellent subject to the constraint analysis of the area and area for the constraint analysis.

**ODDINING** 

Print of Withshope at (scatter)

20.00

Mode.

Operational Device

Date of Exercise size the Cisis of Electric Posses

Dee

Your tradepate became of the tweey Astronomic and December

- for the prepared namining and consider the quantum of present state of contents of the first name of t
- regression from the service access.

  The Desires Ground Wase Management Council regress discusses in a security of parameters and some formed the torquite desires and the regress of the security of the secu

Eleme Mone

- The Chains variety of the record receives the state as the actual points where the temporary time of management and the state as the state of the control of the state of the
- The date whenever been desired outside the consequence with the property of the security of the property of th

Forestance is a beam-off through such order to consume the water best to know on the sum of its money of such a consumer water to all annual recognitions and so the constraint water species for such a recognition of proceedings are a follows:

- The prevention is to be conflict constrained at the increase of the element from the pumping real during values was recovery without the distance of the precentive should be about 1 to
- The digits of the provinger should be some on more of the painting well from triangement as use in being phaseless. If you have one provinces are useful the second province desail transition ground searce ground searce ground which the provinces.
   No. of provinces to be constructed in the provinces and the second searce ground g

SNo	Quantum of Circumit water visibilitized (cumitse)	No of promotors requested	Monkey, Medicine	
	201010101011111011111111111111111111111	And he Deconstruction and assets	Ritterd	DWITE sub-Talouets
1:	-10		0.	A.
2.	11 (20)	1	1	
*	No. NAV	1	0	
1	1400	2	11	

- The measurement of value to all agreeds and increases of reconstruction by up to the Bet reported necessaries and debt part in these opposes defined to a necessarie to the standard by up to the Bet reported necessaries and the telephone defined to a necessaries to the standard by the



# UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website: www.uppcb.com

Ref. No: 13320/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2020 Dated: 01/03/2021

To,

M/s GALAXY PAPERS PRIVATE LIMITED

9.4 KM, JOLLY ROAD, VILL BHANDURA, MUZAFFAR NAGAR.

Tehsil:MuzaffarNagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 13320 and 01/03/2021.
- 2. Reference of application (No. and date) 9956981 and 31/10/2020.
- Mr GYANPRAKASH BHATIA of M/s GALAXY PAPERS PRIVATE LIMITED is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at within premises.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule-I, Cat. 5.1 Used or spent oil	Through TSDF	0.15 KL/Annum
2	Schedule-I, Cat. 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Through TSDF	100 Pcs/Annum
3	Schedule-I, Cat. 33.2 Contaminated cotton rags or other cleaning materials	Through TSDF	0.05 Ton/Annum

- 1. The authorization shall be valid for a period of 27/02/2026 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous
  and other wastes except what is permitted through this authorization.

- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year .
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

# B Specific Conditions of Authorization

- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 4. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter.

You should also maintain records on Form-3 and present it to Board's inspecting officials.

- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 7. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 8. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 9. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 10. Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 11. It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 12. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 13. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 14. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 15. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 16. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 17. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 18. Ground water monitoring report of premises shall be submitted within one month.
- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

( Authorized Signatory )

Nishi Kumar Chauhan Digitally signed by Nishi Kumar Chauhan Dade 2021 0220 2120947 146730

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar for information and necessary action .

Nishi Kumar Chauhan Date: 2021.03.002 12.09:23 +05:307

CEO/EE, I/C Circle\_

#### INDUSTRY INSPECTION REPORT (PULP & PAPER)

#### A. General section

Date of inspection: 27/12/2023

1.	Name of the unit with complete postal address:	M/s S. K. Paper Mills Ltd., Khasra no. 604/1/1 and 604/1/2, 10 <sup>th</sup> Km., Jolly Road, Village - Dhandera, Tehsil and district-Muzaffarnagar-251001, U.P.
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.441498, 77.778200
3.	Industry Operational status	Operational
4.	Consent status	CCA dated 21/09/2023 and no: 190751/UPPCB/Muzaffarnagar(UPPCBRO)/CTO/both/ MUZAFFARNAGAR/2023 available with validity till 31/12/2026 (Annexed)

5.	Process	Manufacturing of M G Poster/T imported and local waste paper,	issue paper usin rosin, alum, etc.		
6.	Raw material				
	a. Consented value	1720 MT/month	(NEW TOTAL PROPERTY AND ADDRESS OF THE PARTY A		
	<ul> <li>b. Actual consumption (as per logbook)</li> </ul>	Total-4446.66 MT (from Oct 01-Dec 27, 2023)			
	c. Avg. daily consumption	48.86 MT/d			
7.	Production				
	a. Consented value	1250 MT/month			
	b. Actual Production (as per logbook)	Total-3210 MT (from Oct 01-Dec 27, 2023)			
	c. Avg. daily production	36.4 MT/day			
	d. Yield (%)	74.99 % of raw material			
	e. Non-paper waste production	25.01 % of raw material i.e. 12,	22 MT/D		
8.	Fresh water consumption				
	NOC from CGWA/other authorized body	01/03/2026	th validity t		
	b. Details of borewell	Three borewells with flow meter	found installed		
	c. Permitted withdrawal quantity	425 KLD			
	d. Actual withdrawal quantity	22957 KL (as per logbook of 2023)	Oct 01-Dec 26		
	e. Avg. daily withdrawal quantity	263.87 KLD			
	f. Specific fresh water consumption	7.15 KL/MT of paper			
9.	Effluent Management				
	a. Consented discharge value	300 KLD			
	b. Actual effluent generation (as per logbook)	87480 KL in (Oct 01-Dec 26, 20,	23)		
	c. Avg. daily effluent generation	1005.52 KLD			
	d. Specific effluent generation	27.62 KL/MT			
	e. Actual effluent discharge	14766.08 KL (Oct 01-Dec 26, 2023)			
	f. Avg. daily effluent discharge	169,72 KLD			
	g. Specific effluent discharge	4.66 KL/MT			
	<ul> <li>Actual recycling of treated effluent within process</li> </ul>	Partially treated (Primary/ Sedicell)	807.25 KLD		
	2)	Treated effluent (ETP outlet)	169.72 KLD (logbook dat during Oct 1- Dec 26, 2023)		

1	I Carrie	to att	ont		Total rec			8	07.25 KLD
	i. Losse		ent recyc	le	22.1 KL/	MT of pag	er		
	J. Losse	s in ETF	190		2.83% against typical 2-3 % in form of moisture ingenerated sludge				
	Effluen	t treat	ment pla	int (ETP)	- Igarici d	and and d			
	a. ETP	consists	of		Sedi-cell → Primary Clarifier → Primary Clarifier →				
	2002-04000	9X,053X35	9574		Aeration	Tank → lear water	Secondar	y Clarifie	r → PSF
	b. Insta	illed cap	pacity		425 KLD				
	c. Mete	ring at	ETP		ETP inlet			ook main	
					Recycling ETP outle		Yes, logb	ook main V-notch p	tained
	d. Oper	ational	status		Operation		THE STRIP	v Hocen p	Oridea
					Flow at in	nlet: 15 m	n³/hr	Contract	
		15.115			MLVSS/M	ILSS in as	eration tan	k:1491/2	285
	e. OCE	MS at E	TP outlet		OCEMS	was foun	d installed	d at ETP	outlet an
	f. OCE	. OCEMS values				BOD-17.5	CB/SPCB s 3 mg/l, CO	D-138.15	mg/l & TSS
	g. Efflu	ent Ch	aracteri	etice	58.82 mg	/1		No respectively	Sahrava
	Parame	ETP	ETP	Outlet of	Aeration	Norms	Complia	Norms	Compliano
	ter	inlet	outlet	Secondary	Tank	as per	nce	notified	w.r.t.
				Clarifier		consen	w.r.t, consent	by MoEF&	notified norms
	pH	6.5	7.9	7.8		6.5-8.5	Complyi	5.5-9.0	Complying
	Colour	BDL	BDL	BDL		< 150	Complyi	-	-
	(Hazen	130111 -1	(39,35,0)	2010-2		2.88.9	ng		
	(mg/l)	2327	40	37	NS T	< 20	Non- comply ing	30	Non- complying
	COD	4306	115	116		< 150	Complyi	-	
	(mg/l) TSS	3118	12	15		- 20	ng		
	(mg/l)	ISSUE !	2070	25		< 30	Complyi	100	Complying
	TDS (mg/l)	2456	732	736	692	< 1600	Complyi	-	-
	NO3-N (mg/l)	12	4	5.6	634		-		-
	Sulpha	129	95	120		-	-		-
	te							-	
	(mg/l) Sulphid		3.2	-		-			
	e	- 35	3.2	1000		*	.5		2. <del>5</del>
	(mg/l) AOX	-	0.272	-	-				
	(mg/l)	00 00	MAGAR.			3		.5	
	h. ETP	Sludge	generat	ion					
9	a. Biolog	picat stu	dge gene	eration	29126 Ka	s (Oct 01	-Dec 26, 2	M231	
	(as p	er logbo	ook)	000000000		1000		WES!	
			generatio		334.78 Kg/d				
			ge genera		9.19 Kg/MT of product				
			TSS load	eration @	940.56 K	g/d			
				k disposal	Through	TSDF (	Sheetala	Waste M	lanagemen
	f. Rema	rk			The leab	ist. Bular	ndshahar, I	u.P.)	generation
1					is much i	ess than	the estim	ated valu	generation e of sludge

1	6.9	80		224		664.8	1.52				
	pH	Color		BOD		COD	Nitrate	- 3			
72	Upstream of th	e unit:	0.70 .002.00		500015			-			
15.	Analysis results		U 37/A35	DAY 1 11000	2011-00-1						
	All parameters a	re in mg		t pH & C	Color	(Hazen).		-		-	
	Results	0.45	17	6	44	41	0.06	621	11	6	1
	Acceptable limit as per BIS IS 10500:2012			•	75	30		*	5.68	0.05	
	Parameters	NO <sub>2</sub> -N		K+	Ca2		PO <sub>4</sub> 3-	Cond.	TSS	Sulphide	
	BIS IS 10500:2012 Results	7.6	BDL	2	340		273	22	46	0.29	2.39
	Acceptable limit as per	6.5 8.5	05		500		200	250	200	01	45
	Parameters	рН	Color	COD	TDS		Total Alkalinity	CI	504-	F	NO <sub>3</sub> -N
14.	Groundwate	r analy	/sis re	sults	(insi	ide unit pr	emises)	Jac -			
						Kgs (as pe 10)dated 2 and 23/10/	29/12/202 /2023).				
	Hazardous wa	iste ger	nerated	1		waste grea	ase-100 K	gs and	emp	ty contai	ner-18
-	/TSDF			. 7/2		Project, Dist. Bulandshahar, U.P.  Cotton waste-165 Kgs, process sludge-6310 Kgs,					
	Copy of agre	the second second second	with	recycle	ers	Available w Available	with Sh	y till 25 cetala	/07/20 Wast	27 (Anne	exed)
131	Hazardous waste management									- 10	
12						PM-47.9 m	g/Nm²(ag	ainst 80	mg/N	(m²)	
		Disposal of ash generated     M. Stack monitoring report				To Brick kilns (Rajaji Bricks & Tiles Industries) PM-47.9 mg/Nm <sup>3</sup> (against 80 mg/Nm <sup>3</sup> )					
	% of fuel o	onsume	ed	108.28 15 0	23.50	0.74 T/Day					
	consumed (%) k. Estimated ash generation @ 2.75					NA TON					
-		i. Daily ash generation j. Ash generation w.r.t of fuel					ot provide		_		
-	h. Daily fuel o					Logbook no					
	g. Estimated bagasse consumption @ 2.3 T steam/ T of bagasse					26.9 T bag	13-35/12-				
	logbook)							,			
-	e. Name of the			/ac ·	hor	Bagasse Logbook no	ok mensileles	4			
	1.7 T/T of	paper p	roduce		700		7				
-	<ul> <li>d. Estimated</li> </ul>		regula	omon*	100	Multi Cyclo 61.88 T/Da		collecto	r and '	Wet Scrut	ber.
-	b. Stack deta				-	Stack Heig			100	tossen a	
		a. Boiler capacity									
12.	Air Pollution	mana	geme	nt							
	d. Potential generation	n @3.5			S. T. J. Tho.	1.27 MT/D					
	<ul> <li>Specific Non-paper solid waste generation</li> </ul>					2.7 % of p	roduct				
	b. Daily waste					1 MT/D			******		
	(As per logbook)					Harshit Trading Company for further recycling (Copy of receipts are provided by unit)					
	a. Non-paper solid waste generated (As per lookook)			Jeu	90.34 MT (from Oct 01-Dec 26, 2023) provided						

176	1564	116.63	0.704				
Downstream	of the unit:						
рН	Color	BOD	COD	Nitrate	F .		
6.81	60	192	568	0.73			
TSS	TDS	Sulphate	Phosphate				
154	1098	124.84	0.32				
*All parameters	are in ma/i e	xcept pH & Colo	r (Haren)				
b) Unit estir ETP c) Unit prod end	nated sludge sludge gene has provid luct) which i point of disp	ed data for e generation ration & disp led data for s disposed-or sosal could no	of 940.56 Kg osal is not ma plastic wast of through a vot be verified.	y/day, which aintained p is generativendor (Ha	ion of 1 MT/day (2.7% ( rshit Trading Company) an		
<li>d) The fly ash generated by the unit is sent to Brick kilns (Rajaji Bricks &amp; Tiles Industries).</li> <li>Key Issues</li>							
b) Poor	l against 2	0 mg/l).			arge norms for BOD (4 ETP sludge, boiler ash an		
5/46/5	Compliance Status : Unit is non-complying w.r.t. consented discharge norms						

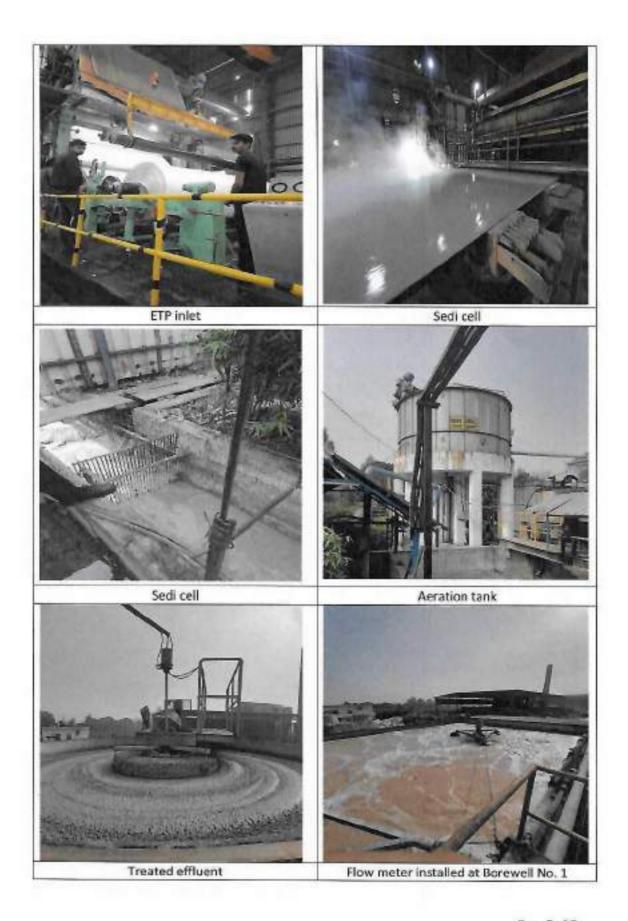
18. Recommendations:

- a) The operation & maintenance of ETP shall be improved, so that the discharge norms shall be achieved.
   b) Unit shall maintain proper logbook for generation & disposal of ETP Sludge, boiler ash and plastic waste.

S. No.	Name of official	Designation	Organisation	Signature
1.	Dr. R. K. Singh	Scientist 'D'	CPCB Delhi	Deligh
2.	Dr. Prabhat Ranjan	Scientist 'B'	CPCB Delhi	0
3.	Sh. Imran Ali	AEE	UPPCB	Om
4.	Sh. Ashish Kumar	Hydrologist	UPGWD	0
5.	Ms, Yogita Mishra	Research Associate-II	CPCB Delhi	yoghte
6.	Dr. Vivek Rana	Research Associate-I	CPCB Delhi	vane

### **Photographs**

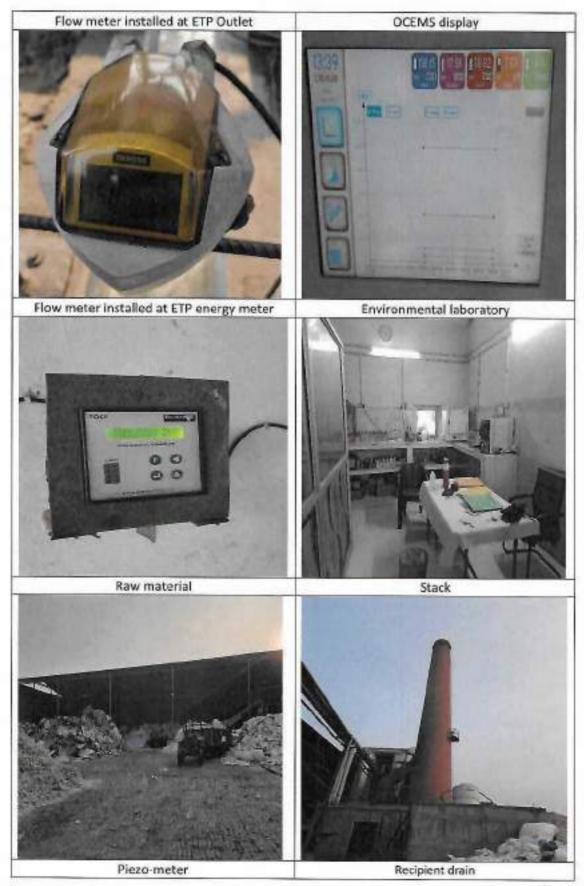
TO THE RESIDENCE OF THE PARTY O	
Manufacturing process area	Manufacturing process area



Page 5 of 8



Page 6 of 8



Page 7 of 8





#### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2730828.2720831, Fax:0522-2720764, Email: info@osppeb.m. Website: www.appeb.com

190751/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 21/09/2023

To.

M/sS K PAPER MILLS PVT LTD

Khasra No. 604/1/1 And 604/1/2, 10th Km. Jolly Road, Village - Dhandhera, Tehsil And District Muzaffarnagar (U.P.), MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution) Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

#### Application no. 22336708

Date :- 2023-08-06

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s S K PAPER MILLS PVT LTD located at Khasra No. 604/1/1 And 604/1/2, 10th Km. Jolly Road, Village - Dhandhera, Tehsil And District - Muzaffarnagar (U.P.), MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- This CCA is granted for the period upto 2026-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- This CCA is granted for the period upto 2026-12-31 from the date of issuance of this letter, under 1.2 Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

Production Capacity:

S. No.	Declared by the unit		Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	Imported and Local Waste Paper, Rosin, Alum Htc 1720 MT/Month	M.G. Poster / Tissue Paper- 1250 MT/Month	M.G. Poster / Tissue Paper- 1250 MT/Month

GHAN SHYAM Date 2003 18-17 18 18-27 - 03-27

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the	unit	Permitted by the
		Numbers	Usage / Process operation	Board

## 638

1	M.G. Poster / Tissue Paper- 1250 MT/Month by using Raw Material as Imported and Local Waste Paper, Rosin, Alum Etc 1720 MT/Month	by using Raw Material as Imported and Local	M.G. Poster / Tissue Paper- 1250 MT/Month by using Raw Material as Imported and Local Waste Paper, Rosin, Alum Etc 1720 MT/Month	M.G. Poster / Tissue Paper - 1250 MT/Month by using Raw Material as Imported and Local Waste Paper, Rosin, Alum Etc 1720 MT/Month
---	--	--	--	---

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

#### A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical /Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2026-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- 6. Details of piczometer installed i.e., numbers with coordinates.
- This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted	
S.No	Source of fresh water	Borewells/river	Borewells/river	

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed		
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced		
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler < 2.5 m3/t paper With Power Boiler < 5 m3/t paper		

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.

- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piczometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

#### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
L	300 KLD	300 KLD	300 KLD

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	< 9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- v Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 - 8.5	6.5 - 8.5	6.5 – 8.5	No discharge is allowed
TSS, mg/l	<- 30	<30	<30	No discharge is allowed
BOD, mg/l	<- 20	< 20	< 20	No discharge is allowed

COD, mg/	<= 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<= 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<- 8	-	5	No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- 15. The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.10,1118:15:14 +05:30

S No.	Detalis	Permitted
1,	Maximum daily discharge of sewage	3.0
2.	Treatment facility	3.0
3.	Discharge point	3.0

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Delignification amp; ECF bleaching for agro nd a proper for aground
- d. Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc.
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation
- The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

GHAN SHYAM (Ngitally signed by CHAN SHYAM Date: 2023.10.11 18:15:27 + (05:20)

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	1 X 82.5 KVA DG Set	PNG/DIESEL (ONLY APPROVED FUEL BE PERMITTED AS PER CAQM DIRECTION)	AS PER E(P) RULES, 1986	ACCOUSTIC ENCLOSURE	AS PER CAQM DIRECTION
3	1 X 12 TPH BOILER	Biomass/Biofuel- 100 MT/Day (ONLY APPROVED FUEL BIE PERMITTED AS PER CAQM DIRECTION)	30 Meter Stack Height From Ground Level	Multi Cyclone Dust Collector, Wet Scrubber	AS PER CAOM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from ii. stacks is always within prescribed norms of the Board.
- The unit shall ensure interlocking of air pollution control devises and production processes. iii.
- iv. The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9 Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industr	ial Area	Commer	rcial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- 2. In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- 3. If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit, However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- 4. In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- 5. In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior 6. approval before making any modification in product/ process/ fuel/ plant machinery failing which consent shall be deemed revoked. GHAN SHYAM Bone 2023/30 11 18:15:31 1:05:30
- 7. Compulsory documents to be submitted by the Unit: -

- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area,
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.

GHAN SHYAM (hepitally reprintly CHANSINVAN OMA, 2007) 10.11 (10.15 40.10) 300

- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

- This CTO Is Valid Only For The Production capacity of M.G. Poster / Tissue Paper- 1250 MT/Month by using Raw Material as Imported and Local Waste Paper, Rosin, Alum Etc. - 1720 MT/Month Only At Site Khasra No. 604/1/1 And 604/1/2, 10th Km. Jolly Road, Village - Dhandhera, Tehsil And District -Muzaffarnagar (U.P.), 251001.
- 2. The industry must comply the condition of NOC issued from UPGWD for abstraction of ground water.
- Unit shall submit Balance Environmental Compensation of Rs. 14,80,000/- within One month to the Board issued to unit via Board's letter no. H 95063/C-3/Jal-436/2023, dated-02.06.2023.
- 4. In case of any change in production capacity/ process/raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 5. Industry shall operate as per norms 12 TPH Boiler with Multi Cyclone Dust Collector, Wet Scrubber and 30 meter stack height from ground level as APCS. Fuel for Boiler is Biomass/ Biofuel-100 MT/Day. Unit already have 01 No. D.G. sets of capacity 1 X 82.5 KVA. Fuel for DG set is PNG/Diesel. Only approved fuel be permitted as per CAQM direction.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis by LIMS Portal from a certified / approved laboratory under E.P. Act 1986 to the Board.
- Unit must ensure strict time bound compliance of suggestion/recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp and Paper Industries" formulated by CPCB.
- 8. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended,
- The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
- 10. This CTO order shall automatically become invalid on issuance of Closure Order by C.P.C.B/UPPCB and further on Revoking of Closure order, the Consent order shall become valid.
- 11. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Hesle/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM. 12. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available as one-time as per CAQM direction dated-16.12.2022.
- 13. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 14. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.

  GHAN SHYAM Digitally signed by CHAN SHYAM DIGITAL DIGITA

- 15. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 16. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 17. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 18. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 19. The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 20. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process. No Treated water shall be discharge outside the factory premises in any circumstances.
- 21. Industry shall install/operate at sufficient height from the ground level Open to Network HD PTZ Camera at the outlet of ETP and its URL and password shall be provided to the UPPCB Control room.
- 22. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 23. Industry shall install and maintain Online Continuous Effluent and Emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- Industry shall comply the order passed by Hon'ble NGT time to time.
- 25. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- 26. Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board after expansion in existing unit.
- 27. Industry shall not use furnace oil/pet coke as a fuel.
- 28. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- The unit shall submit the audited balance sheet for the current year.
- 30. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.
- 31. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 32. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 33. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.

  GHAN SHYAM Digitally signed by GHAN SHYAM DIGITALLY SHAWAM DIGI

34. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Bolt-Guidle 160218.pdf.

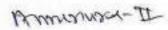
GHAN SHYAM Digitally signed by GHAN SHYAM Date; 2023;10:11 18:16:06:405'30'

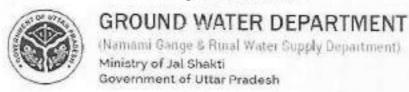
Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.10.11 18:16:14 - 05:30 Chief Environmental Officer (Circle 3)





#### Form 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]
AUTHORIZATION/ NO-OBJECTION CERTIFICAT NO: NOC028768

VALID UP TO: 01/03/2026

Name of the Applicant	SAKAR GUPTA	Son of/पुत्र	J.K GUPTA
Address of the Applicant:	A-87		
Company Name:	S K PAPER MILLS PVT LTD	Company Address	804/1/1 & 604/1/2 10TH KM JOLLY ROAD MUZAFFARNASAR
Serial No. of Application Form	MZFN1220NIN0004	Date of Submission	24/12/2020
Specimen Signature of the User:			
Location particulars:			
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No.	604/1/1 & 604/1/2		
Municipality/Corporation	MUZAFFARNAGAR	Ward No.	251001
Holding No.			251001
Rate of Withdrawal (m3/hr.)	25.00	Date of Energization (In Case of Electric Pump)	25/02/2012
Particular of the Existing We	II and Pumping Dev	rice	
Type of the Well	Tube Wall/Boring	Purpose of the Well	Industrial
Assembly Size (For Tube Well)	0.00	Approx. Strainer Length (For Tube Well)	0.00
Diameter (For Dug Well)	0.00	Type of Pump to be Used:	Submersible
t.P. of the Pump;	12.50	Operational Device	Electric Motor
Waximum Allowable Rate of Withdrawal (m3/hr.);	25.00	Maximum Allowable Running Hours Per Day:	1.00
Vaximum Allowable Annual Extra	ction of Ground Water:		9125

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3), for Running Hours I day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overland.

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  conflicate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization.

- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow moters
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet
  of pumping devices and it shall be presumed that the quantity recorded by the mater has been extracted by the said user until the contrary is
  proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons. If the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped
  of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made
  available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Plezometer is a borewell itubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of prezometers are as follows:

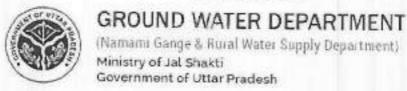
- The piczometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piczometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitiring Mechanism	
100	The state of the s	rvo.or prozontera requied.	Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	D	1
4	⊳ 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in mater upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in prezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Manitoring System for Ground Water Department. Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-mansoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved tab, Besides, one sample (1 tt capacity buttlet) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at plezemeter/Tube wells site for providing the location, prezemeter/tube well number, depth and zone tapped of plezemeter/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care off.
- · Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- · Any other condition imposed by the concerned Authority.
- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions;
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- + ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources
- III) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (CIII/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to GGWA. All such industries shall be required to reduce their ground water use by at loast 20% over the next three years through appropriate means.

- iv) Construction of observation well(s) (diezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3
- /day of ground water and. Monitoring of water level shall be done by the project proponent. The prezonteler observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the prezonteler shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting! racharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, tyes, pigments, paints, textiles, tannery, pesticides/ insectiodes, fertilizers, slaughter house,
  explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- w) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are fikely to cause ground water pollution e.g. Tenning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washerles, other hazardous units etc. (as per CPCB list) need to undertake necessary wall head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry our regular monitoring of dewatering discharge rate (using a digital water flow mater) and submit the data online to Ground Water Department. UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sowage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toillot flushing, car washing, gardening etc.

This certificate is electronically generated and does not require digital signature



#### Form 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICAT NO: NOC047697

VALID UP TO: 01/03/2026

	****************		
Name of the Applicant	SAKAR GUPTA	Son of/पुत्र	J.K. GUPTA
Address of the Applicant:	A-87		
Company Name:	S K PAPER MILLS PVT LTD	Company Address	604/1/1 & 604/1/2 10TH KM JOLLY ROAF MUZAFFARNAGAR
Serial No. of Application Form	MZFN1220NIN0003	Date of Submission	24/12/2020
Specimen Signature of the User:			
Location particulars:			
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No.	604/1/1 & 604/1/2		
Municipality/Corporation	MUZAFFARNAGAR	Ward No.	251001
Holding No.			251001
Rate of Withdrawal (m3/hr.)	25.00	Date of Energization (In Case of Electric Pump)	18/02/2012
Particular of the Existing We	II and Pumping Dev	rice	
Type of the Well	Tube Well/Boring	Purpose of the Well	Industrial
Assembly Size (For Tube Well)	0.00	Approx. Strainer Length (For Tube Well)	0.00
Diameter (For Dug Well)	0.00	Type of Pump to be Used:	Submersible
LP. of the Pump:	12.50	Operational Device	Electric Motor
Maximum Allowable Rate of Withdrawal (m3/hr.):	25.00	Maximum Allowable Running Hours Per Day:	8:00
Maximum Allowable Annual Extra	ction of Ground Water.		73000

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. [2] for extraction of ground water at a rate not exceeding that as shown at SI. (3j) for Running Hours I day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this contribute shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.

- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawel and pumping device in respect of the existing well as indicated at St. (2) and (3) of this
  certificate shall be made without prior permission of the Compotent Authority. Any deviation in this regard shall lead to cancellation of this
  registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage; this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of prezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped
  of prezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made
  available to this office on monthly basis.
- Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell dubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of prezemeters are as follows:

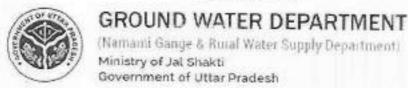
- The piczometer is to be installed/constructed at the minimum of 50 m distance from the pumping wall through which ground water is being withdrawn. The diameter of the piczometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more
  than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as
  well as deeper ground water aquifer monitoring.
- No, of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No Quanti	Quantum of Ground water withdrawal (cum/day)	No of piezometers required	Monitiring Mochanism		
	Annual (annual)	Anomal presonnelle la requised	Manual	DWLR with Telemetry	
1	< 10	0	0	0	
2	11 - 50	1	7	D	
3	50- 500	*	0	1	
4	> 500	2	D	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter upto two decimal.
- For measurement of water level soundar or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in plezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultra Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Utter Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care off
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- · Any other condition imposed by the concerned Authority.
- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water,
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (City/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGVVA. All such Industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3.
- Iday of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piozometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmacoutical, dyes, pigments, paints, textiles, tannery, posticides/ insecticides, fertilizers, slaughter house,
  explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into equifer system is strictly prohibited.
- vii) Industries which are akely to cause ground water pollution e.g. Tarming, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washenes, other hazardous units etc. (as per CPCB list) need to undertake recessory well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions
- i) In case of inflastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow mater) and submit the data online to Ground Water Department. UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- iii Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for tollet flushing, car washing, gardening etc.

This certificate is electronically generated and does not require digital signature



#### Form 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICAT NO: NOC049977

VALID UP TO: 01/03/2026

Name of the Applicant	SAKAR GUPTA	Son of/पुत्र	J.K. GUPTA
Address of the Applicant:	A-87		
Company Name:	S K PAPER MILLS PVT LTD	Company Address	604/1/1 & 604/1/2 10TH KM JOLLY ROAD MUZAFFARNAGAR
Serial No. of Application Form	MZFN1220NIN0002	Date of Submission	24/12/2020
Specimen Signature of the User:			
ocation particulars:			
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Not No.	604/1/1 & 504/1/2		
Municipality/Corporation	MUZAFFARNAGAR	Ward No.	251001
folding No.			261001
Rate of Withdrawal (m3/hr.)	25.00	Date of Energization (In Case of Electric Pump)	10/02/2012
Particular of the Existing We	II and Pumping Dev	rice	
ype of the Well	Tube Well/Boring	Purpose of the Well	Industrial
Assembly Size (For Tube Well)	0.00	Approx. Strainer Length (Fer Tube Well)	0.00
Diameter (For Dug Well)	0.00	Type of Pump to be Used:	Submersible
t.P. of the Pump;	12.50	Operational Device	Electric Motor
faximum Allowable Rate of Vithdrawal (m3/hr.):	25.00	Maximum Allowable Running Hours Per Day:	8.00
faximum Allowable Annual Extra	ction of Ground Water:		73000

This No-Objection certificate authorizes the owner applicant (user) to sink a wall in the location specified at SL (2) for extraction of ground water at a rate not exceeding that as shown at SL (3)), for Running Hours I day as shown at SL (3k), and for maximum allowable annual extraction of ground water as shown at SL (3k) and is valid subject to the observance of the conditions stated overleaf.

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization.

- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow motors
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet
  of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is
  proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the atuation so demands.
- In case of any change of awnership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at Si. (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cencellation of this
  registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tappod
  of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made
  available to this office on monthly basis
- · Guidelines for Installation of Piezemeters and their Monitoring

Piezameter is a borewell Aubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezameters are as follows:

- The piczometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The dismeter of the piczometer should be about 4" to 6".
- The depth of the prezonater should be same as is case of the pumping well from which ground water is being abstracted. If more than one prezonaters are installed the second prezonater should monitor the shallow ground water regime. It will lacilitate shallow as well as deeper ground water aguilar monitoring.
- No. of prezomaters to be constructed & Type of water level monitoring mechanism shall be as per below table.

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Moniting Mechanism			
	The second secon	140.07 prezontetera regorgo	Manual	<b>DWLR</b> with Telemetry		
1	< 10	0	0	0		
2	11 - 50	1	1	U		
2	50- 503	1	0	1		
4	> 500	2		2		

- The measuring frequency should be monthly and accuracy of measurement should be up to on, the reported measurement should be given in meter up to two decimal.
- Fdr measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemotry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department. Uttar Fradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got enalyzed from NASL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Utter Pradesh, for chamical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube wall number depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care off.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this pennit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- · Any other condition imposed by the concerned Authority.
- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by Industries shall be granted subject to the following specific conditions:
- i) No Objection Conflicate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (City/ Federation Indian Chamber of Commerce and Industry (FICCI) National Productivity Council (NPC) perified auditors and submit audit reports within three months of complation of the same to CGWA. All such industries shall be required to require their ground water use by at least 20% over the next three years through appropriate means.

- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no:10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3
- Aday of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, posticides/ insecticides, fertilizers, slaughter house
  explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated untreated waste water into aguifer system is strictly prohibited.
- will Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye. Chemical/ Petrochemical, Goal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions.
- if In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow mater) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- iii Installation of Sawage Treatment Plants (STP) shall be mandatory for new projects, whose ground water requirement is more than 20 m3 /6sy. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

This certificate is electronically generated and does not require digital signature



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website: www.uppcb.com

Ref. No: 17577/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated:26/07/2022

To.

M/s S K PAPER MILLS PVT LTD

Khasra No. 604/1/1 And 604/1/2, 10th Km. Jolly Road, Village - Dhandhera, Tehsil And District- Muzaffamagar (U.P.), MUZAFFAR NAGAR, 251001, MUZAFFARNAGAR, 251001

Tehsil:MuzaffarNagar

District :MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- 1. Number of authorization and date of issue 17577 and 26/07/2022.
- Reference of application (No. and date) 16756868 and 16/06/2022.
- Mr SAKAR GUPTA of M/s S K PAPER MILLS PVT LTD is hereby granted an
  authorization based on the enclosed signed inspection report for generation, collection,
  utilization, storage and disposal or any other use of hazardous or other wastes or both on the
  premises situated at Khasra No. 604/1/1 And 604/1/2, 10th Km. Jolly Roa.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 33.2 AS PER SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.025 MT/Annum
2	CATEGORY 33.1 AS PER SCHEDULE I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGH TSDF	0.80 MT/Annum
3	CATEGORY 5.1 AS PER SCHEDULE I (USED OR SPENT OIL)	THROUGH TSDF	0.075 KL/Annum
4	CATEGORY 34.2 AS PER SCHEDULE I (Sludge From Treatment Of Waste Water Arising Out Of Cleaning / Disposal Of Barrels /Containers)	THROUGH TSDF	30 MT/Annum

- The authorization shall be valid for a period of 25/07/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

Digitally signed by RAKESH KUMAR.

RAKESH KUMAR TYAGI

### 657

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year .
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.

RAKESH KUMAR

TYAGI

Digitally signed by RAKESH KUMAR TYAGI Diae: 2022-08.17 10:40.48 +05'30'

- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.

sent within fifteen days of receipt of this letter.

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest,
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022.08.17 10.41:18 +05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action ,

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI DIGITAL DIG

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

#### Date of inspection:12.01.2024

#### A. General section

	postal address:	M/s Silvertoan Papers Ltd. (Unit-1), 09 <sup>th</sup> km stone, Bhopa road, Muzaffarnagar, Uttar Pradesh – 251001
2.	Spatial Co-ordinates (Latitude & longitude)	29.469105, 77.786733
3.	Industry Operational status	Operational
4.	Consent status	Consolidated Consent to Operate and Authorization (CCA) dated 26.05,2023 issued by UPPCB under section – 25 of Water Act, 1974 and under section – 21 of Air Act, 1981 having validity upto 31.12.2025 (Refer Annexure – 1)
5.	Environment Clearance	Yes (J-11011/69/2013-IA.II (I) dated 23-09-2016)

5.	Process	5		Manufacturing of Kraft paper using waste paper(imported indigenous) and agro residue as raw material.						
7.	Raw m	aterial		A THE PARTY OF THE						
	a. Cons	sented value		Indigenous Waste paper - 70 MT/day Imported Waste paper - 25.8 MT/day Wheat Straw - 225 MT/day Bagasse - 600 MT/day						
	b. Actu	al raw materia	I consumpt	ion (as per d	ata provid	led by unit)	:	W 51		
		Month	Indigenou waste paper (MT)	waste paper (MT)	Total waste paper (MT)	Bagasse (MT)	Wheat Straw (MT)	Total raw material (MT)		
		Oct - 2023	2156.1	4 0.00	2156.14	4695.04	1239.06	8090.24		
	1	Nov - 2023	2290.2	6 0.00	2290.26	8297.40	122.93			
		Dec - 2023	1562.2	5 0.00	1562.25	13110.45	0.00	14672.70		
		Total	6008.6	5 0.00	6008.65	26102.89	1361.99	33473.53		
				Avg. daily 8 Avg. daily 8 Avg. daily 9	vaste pape lagasse co	lays or consump onsumption	tion -66.7 - 290.03	MT/day		
В.	Produc	tion		Avg. daily w Avg. daily B Avg. daily V	vaste pape lagasse co Vheat stra	lays or consump onsumption ow consump	tion -66.7 - 290.03 tion - 15.	6MT/day MT/day		
В.	a. Cons	sented value		Avg. daily w Avg. daily B Avg. daily V	vaste pape lagasse co Vheat stra 'aw mater	lays or consump onsumption ow consump ial consump	tion -66.7 - 290.03 tion - 15.	6MT/day MT/day 13 MT/day		
В.	a. Cons b. Actu	sented value al Production		Avg. daily w Avg. daily 8 Avg. daily V Total daily r	vaste pape lagasse co Vheat stra law mater @ 180 M1	lays or consump onsumption ow consump ial consump	tion –66.7 – 290.03 tion – 15. ption –371	6MT/day MT/day 13 MT/day		
В.	a. Cons b. Actu (as p	sented value al Production per record prov	vided by	Avg. daily w Avg. daily 8 Avg. daily V Total daily r Kraft Paper	vaste pape lagasse co Vheat stra law mater @ 180 Mi	lays  er consump  onsumption  w consump  ial consump	tion -66.7 - 290.03 tion - 15. tion -371	6MT/day MT/day 13 MT/day		
В.	a. Cons b. Actu	sented value al Production per record prov	vided by	Avg. daily w Avg. daily B Avg. daily V Total daily r Kraft Paper Month	vaste pape lagasse co Vheat stra law mater @ 160 M1 Pro 23	lays  Br consumption  W consumption  W consumptial consumptial consumption  I/day  duction (MT	tion -66.7 - 290.03 ition - 15. otion -373	6MT/day MT/day 13 MT/day		
В.	a. Cons b. Actu (as p	sented value al Production per record prov	vided by	Avg. daily w Avg. daily 8 Avg. daily V Total daily r Kraft Peper Month Oct – 20	vaste pape lagasse co Vheat stra law mater @ 180 M1 Pro 23	lays or consumption or consumption or consumption ial consumption (I/day duction (MT 4709.)	tion –66.7 – 290.03 tion – 15. otion –371	6MT/day MT/day 13 MT/day		
В.	a. Cons b. Actu (as p unit)	sented value al Production per record prov		Avg. daily w Avg. daily 8 Avg. daily 9 Total daily r  Kraft Paper Month Oct = 20 Nov = 20 Total	vaste pape lagasse co Vheat stra law mater © 180 M1 Pro 23 023	lays ar consumption ar consumption ar consumption ar consumption ar consumption by consumption by consumption by consumption consumption consumption consumption duction (MT 4709.) 5038.	tion -66.7 - 290.03 tion - 15. otion -371 ) 57 78	6MT/day MT/day 13 MT/day		
	a. Cons b. Actu (as p unit)	sented value al Production per record prov nated daily pro	oduction	Avg. daily w Avg. daily B Avg. daily V Total daily r  Kraft Paper  Month Oct - 20 Nov - 20 Dec - 20	vaste pape lagasse co Vheat stra law mater © 180 M1 Pro 23 023	lays ar consumption ar consumption ar consumption ar consumption f/day duction (MT 4709.) 5038. 5147.	tion -66.7 - 290.03 tion - 15. otion -371 ) 57 78	6MT/day MT/day 13 MT/day		
	a. Cons b. Actu (as p unit) c. Estin	sented value al Production per record prov nated daily provater consum	oduction option	Avg. daily w Avg. daily B Avg. daily B Avg. daily V Total daily r  Kraft Paper  Month Oct - 20 Nov - 20 Dec - 20 Total 165.51MT/d	vaste pape lagasse co Vheat stra law mater @ 160 M1 Pro 23 23 23 23	lays ar consumption aw consumption al consumption (MT) 4709. 5038. 5147.	tion -66.7 - 290.03 tion - 15. otion -373 57 78 18	6MT/day MT/day 13 MT/day .93 MT/day		
9,	a. Cons b. Actu (as p unit) c. Estin Fresh v a. NOC	sented value al Production per record prov nated daily pro	oduction nption ther Th De up	Avg. daily w Avg. daily B Avg. daily B Avg. daily V Total daily r  Kraft Paper  Month Oct - 20  Nov - 20  Dec - 20  Total  165.51MT/d	waste paper lagasse co Vheat stra law mater  180 M1 Pro 23 123 123 139 NOCs iss PGWD) for 7 both units	lays ar consumption w consumption w consumption duction (MT 4709. 5038. 5147. 14895. ued by Uttar of 3 nos. of	tion -66.7 - 290.03 tion - 15. otion -373 57 78 18 53 r Pradesh	GMT/day MT/day 13 MT/day .93 MT/day Ground Water s, all having va		

# 661

			Во	rewell	-Zis used for I -3 is dedicate In Unit-1 & U	d for meeting w	ater requirem	ents in Boiler		
	c. Permitted w	rithdrawal	45	00 KLI	D		miller mi	12.53		
	d. Actual without	frawal	21	combined for both units i.e. Unit = 1 & Unit = 2) 103.02KLD (during 01,10.2023 = 31,12,2023)						
	quantity	(0.609700)	(00	mbine	ed for both un	its i.e. Unit - 1	& Unit - 2)			
	e. Actual fresh consumed in boiler	water n process ar	12 id	10.51	KLD					
	f. Specific fres		7.3	B1KL/N	IT of product					
10.	Effluent Mana									
	a. Consented di	ischarge vali	Je	1800	KLD					
ĺ	<ul> <li>b. Estimated da discharge</li> </ul>	illy effluent		1107.	42 KLD					
	c. Specific efflu	ent discharg	e	6.69K	IL/MT					
11.	a. ETP consists		(ETP)			reatment of ef	The same of the same	SHARE SYN		
				For m Recov Weak KL) – to Ve	ier – Mega Ce Janagement o Jery Plant (CR Black Liquor 07 stage MEE Inturi Circulat	CX Reactor - ; II =Activated Ca  f Black Liquor, P)and the schei (WBL) = Vibro : =-Condensate to ion = Spray D	rbon Filter unit has insta me is: screen – Store to Pulp mill an	alled Chemical age Tank (900 d Concentrate		
1	b. Installed cap	pacity		pellets stored in bags 2500 KLD						
1	c. Metering at			ETP in		V-notch, and	logbook main	tained		
				Recycling points No effluent recycling  ETP outlet V-notch and ultrasonic type flow without totalizer installed and in				flow meter		
1	d. Operational	status		Opera	cional during	maintained visit				
	e. OCEMS at E	TP outlet		Flow at inlet: 35.2 m³/hr  OCEMS was found installed at ETP outlet and provided connectivity with CPCB/SPCB server.  Reading noted during visit: pH-7.29; TSS-17.30mg/l; BOD-21.80 mg/l; COD-70.40 mg/l; Flow-74.75m²/hr						
t	f. Effluent Ch	aracteristic	16:							
	Parameter	ETP inlet	ETP ou	utlet	Norms as per consent	Compliance w.r.t. consent	Norms notified by MoEF&CC	Compliance w.r.t. notified norms		
		6.3	7.0		6.5 - 8.5	Compliance	7.0 - 8.5	Compliance		
	рН	6.3	4		200 mg/l	Non -	350 mg/l	Compliance		
	COD (mg/l)	11312	230		aco mg/	Compliance		Campilanica		
					20 mg/l	Compliance Non - Compliance	30 mg/l	Non -		
	COD (mg/l)	11312 3775	230					Times a		

Page 2 of 8

_	Color (hazen)	20	10		250 PC	CU	Compliance	12	10		
	SAR	1	18		10		Non - Compliant			-	
	AOx (mg/l)	-			8 mg/l	1	Compliance		kg/ton roduct	Co	mplianc
	Sulphide (mg/l)		4.0		-	race :	-	-			
		TDS - 40	008 mg/		SS - 49	72 m	g/l				
	g. ETP Sludge Biological sludge			Cludeo	from D	elen ne	e doubles is	Call Tuna	n-le		
	(as per logbook)		URI	in Unit.	1) and	from	y clarifier is Secondary o	red into	selt pre	155 (	installe
	Dally sludge gen			(install	ed in Ur	nit-2	and then	lewatere	d sludge	DEC	ew pres
	Specific sludge g		0	TSDF (	i.e. M/s	Bhar	at Oil & Was	e Manac	rement Li	bd.).	vided t
**	Sludge Managem	ent & di	sposai	genera kg/day As per waste from U Avg. d	tion rat the copi is being nit-1 & t aily slud	ies of prov Unit-2	eneration ra	m Unit- ovided b OF @ 4.3	1 & Unit y unit, th 36 kg/da per data	t-2) ne ha y (o prov	is 4.8 szardou ombine vided b
	Estimated sludge 30 % of inlet TS:		ion @	0.65 M		with a	quantity of s	udge dis	posed th	roug	h TSDF
Remark The logbook data provided for sludge generation for Unit- Unit-II (4.88 Kg/day) is much less than the estimated va of sludge generation (0.65 MT/day), which indicates that u										ed valu	
is not maintaining the logbook properly.  Non-paper solid waste management (Plastic Waste)											
1	Non-paper soli	d waste	manao	ement	(Plastic	Was	te logbook p	roperty.			
1	Non-paper solid	d waste waste ge	manag	ement	(Plastic	Was	ste)	roperty.			
1	Non-paper solid Non-paper solid As per data prov	waste ge	nerated he unit,	(As per	(Plastic legbook ntity of	: Wa: (): plast	s <b>te)</b> ic waste gen	erated is			Total
1	Non-paper solid As per data prov	waste ge ided by t	nerated he unit,	(As per the qua	(Plastic logbook ntity of -2023	: Wa: (): plast	s <b>te)</b> ic waste gen ember – 2023	erated is	mber – 20	323	Total
1	Non-paper solid As per data prov Plastic waste ger	waste ge ided by t	nerated he unit,	(As per the qua	(Plastic logbook ntity of -2023 30.87	: Wa: (): plast	c waste gen ember – 2023 32.7	erated is Dece	mber – 20	.87	85.49
1	Non-paper solid As per data prov Plastic waste ger Production Days	waste ge ided by t nerated (I	nerated he unit, MT)	(As per the qua October	(Plastic legbook ntity of - 2023 30.87 29	: Wa: (): plast	c waste gen ember – 2023 32.7	erated is	mber – 20	323	-
7 4	Non-paper solid As per data prov Plastic waste ger Production Days Avg. daily plastic	waste ge ided by t nerated (I waste ge	nerated he unit, MT)	(As per the qua October	(Plastic legbook ntity of - 2023 30.87 29 AT/day	(): plast Nove	ic waste gen ember – 2023 32.7	Dece	mber – 20 21	31 31	85.49 90
P ALL IN SE	Non-paper solid As per data prov Plastic waste ger Production Days Avg. daily plastic For disposal, the located in Unit –	waste ge ided by to nerated (I waste ge unit is (2.	nerated he unit, MT) neration using th	(As per the qua October	(Plastic legbook ntity of 2023   30.87   29   AT/day e plastic	(): plast Nove	ic waste genember – 2023 32.3 32.0 32.0 32.0	Dece Dece 5 0	21 21 er of 40 1	023 .87 31	85.49 90 capacit
P A S S S	Non-paper solid As per data prov  Plastic waste ger  Production Days  Avg. daily plastic  For disposal, the located in Unit —  Percent Non-paper peneration	waste ge ided by to nerated (I waste ge unit is in 2. per solid	nerated he unit, MT) neration using th	(As per the qua October 1 – 0.95 M is waste Plastic calculat	(Plastic legbook ntity of 2023   30.87   29   AT/day e plastic waste – ted from	Nove	ic waste genember – 2023 32.7 32.7 32.7 32.7 32.7 32.7 32.7 32	Dece 5 0 uel boile aterial (i	21 21 er of 40 1 e, waste	023 .87 31 TPH	85.49 90 capacit er) (as
PAR PER PER PER PER PER PER PER PER PER PE	Non-paper solid As per data prov Plastic waste ger Production Days Avg. daily plastic For disposal, the located in Unit – Percent Non-pap	waste ge ided by ti merated (if waste ge unit is if 2, mer solid ration waste/pi ion @3 ste pape	merated he unit, MT) neration using the waste blastic % of er and	(As per the qua October 1 – 0.95 M is waste Plastic calculat	(Plastic logbook ntity of 2023   30.87   29   MT/day e plastic waste – ted from Avg. dai	Nove	ic waste genember – 2023 32.3 32.3 32.5 32.6 32.7 32.7 32.7 32.7 32.7 32.7 32.7 32.7	Dece 5 0 uel boile aterial (i	21 21 er of 40 1 e, waste	023 .87 31 TPH	85.49 90 capacit er) (as
FAFFE	Non-paper solid As per data prov  Plastic waste ger  Production Days  Avg. daily plastic For disposal, the located in Unit - Percent Non-pap generation Daily waste gene Potential solid waste generat indigenous was  4 % of imp paper Remarks	waste ge ided by the related (if waste ge unit is a 2. per solid ration waste/pion @3 ste paper solid in the related in the re	merated he unit, MT) meration using the waste olastic % of er and waste	(As per the qual October 1 - 0.95 N mis waste Plastic calculat Actual 2 02 MT/2	(Plastic legbook ntity of 2023   30.87   29   MT/day e plastic waste – ted from Avg. dail day, ted plastic ted plastic han the	as for 1.42 by plastic very data.	ic waste genember – 2023 32.7 32.7 32.7 32.7 32.7 32.7 32.7 32	Dece  Dece  uel boile aterial (i d by unit eneration for plas	21 er of 40 1 .e. waste t) n - 0.95 i	31 31 FPH : pap MT/c	85.49 90 capacit er) (as flay
PART OF STATE	Non-paper solid As per data prov  Plastic waste ger  Production Days  Avg. daily plastic For disposal, the located in Unit - Percent Non-pap generation Daily waste gene Potential solid waste generat Indigenous wast  4 % of imp paper Remarks	waste ge ided by the related (if waste ge unit is in 2, in it is in 2, in it is in i	merated he unit, MT) meration using the waste olastic % of er and waste	(As per the qual October 1 - 0.95 Notes and the calculate Actual Actual Actual More to (0.95 Notes and the calculate Actual More to (0.95 Notes and the calc	(Plastic legbook ntity of 2023 30.87 29 MT/day e plastic waste - ted from Avg. dai day.	as for 1.42 by plastic very date of the lastic very da	c waste general provided waste general provided	Dece  Dece  uel boile aterial (i d by unit eneration for plas	21 er of 40 1 .e. waste t) n - 0.95 i	31 31 FPH : pap MT/c	85.49 90 capacit er) (as fay
FARSTON	Non-paper solid As per data prov  Plastic waste ger  Production Days  Avg. daily plastic For disposal, the located in Unit - Percent Non-papeneration Daily waste generation Daily waste generatindigenous waste generating ge	waste ge ided by the related (if waste ge unit is in 2, in it is in 2, in it is in i	merated he unit, MT) meration using the waste olastic % of er and waste	(As per the qual October - 0.95 N is waste Plastic calculat Actual / 02 MT/	(Plastic legbook ntity of 2023 a 30.87 29 MT/day e plastic waste - ted from Avg. dai day. ted plas than the MT/ day k proper	as for the ly plastic very date of the ly plastic very dat	c waste general sember – 2023 32.3 32.3 32.3 32.3 32.3 32.3 32.3	Dece  Dece  uel boile aterial (i d by unit eneration for plas	21 er of 40 1 .e. waste t) n - 0.95 i	31 31 FPH : pap MT/c	85.49 90 capacit er) (as flay
FA FOLF VIA SE	Non-paper solid As per data prov  Plastic waste ger  Production Days  Avg. daily plastic For disposal, the located in Unit - Percent Non-paper  peneration  Daily waste generation  Daily waste generation  Maste generation  Air Pollution mastes  Boiler capacity  C. Stack details	waste ge ided by ti merated (if waste ge unit is if 2, per solid ration waste/pi ion @3 ste pape worted	merated he unit, MT) meration using the waste olastic % of er and waste	(As per the qual October on 0.95 No october on 0.95	(Plastic legbook ntity of 2023 a 30.87 29 MT/day e plastic waste - ted from Avg. dai day. ted plas than the MT/ day k proper	as fi 1.42 h the by plastic ve dat // inc	c waste general sember – 2023 32.3 32.3 32.3 32.3 32.3 32.3 32.3	Dece  Dece  uel boile aterial (i d by unit eneration for plas	21 er of 40 1 .e. waste t) n - 0.95 i	31 31 FPH : pap MT/c	85.49 90 capacit er) (as flay
FAR FOLL VIA PE	Non-paper solid As per data prov  Plastic waste ger  Production Days  Avg. daily plastic For disposal, the located in Unit - Percent Non-paper  Percent Non-paper  Potential solid waste generation  Daily waste generation  Daily waste generation  Marke generation  Air Pollution markes	waste ge ided by the related (if waste ge unit is 2. per solid ration waste/pion @3 ste paper ported	merated he unit, MT) meration using the waste olastic % of er and waste	(As per the qual October on 0.95 No october on 0.95	(Plastic legbook ntity of 2023 a 30.87 29 MT/day e plastic waste - ted from Avg. dai day. ted plas than the MT/ day k proper leight - Static P	as fu 1.42 the dat by plastic ve e dat dy income	c waste general supplies waste general provided stress that	Dece  Dece  uel boile aterial (i d by unit eneration for plas	21 er of 40 1 .e. waste t) n - 0.95 i	31 31 FPH : pap MT/c	85.49 90 capacit er) (as
FA FOLF VI 4 FF	Plastic waste ger Production Days Avg. daily plastic For disposal, the located in Unit Percent Non-pap generation Daily waste gene Potential solid waste generation digenous waste of imp paper Remarks  Air Pollution man be boiler capacity b. Stack details c. APCD installed d. Estimated steer requirement @ paper produce	waste ge ided by the related (if waste ge unit is 2. per solid ration waste/pion @3 ste paper or ted in 1.8 T/T d from w	nerated he unit, MT) neration using the waste olastic % of er and waste ent	Plastic calculat Actual / 02 MT// Estimat more t (0.95 I logbool 27 TPH Stack H Electro 740.707	(Plastic legbook ntity of 2023 a 30.87 g a MT/day e plastic waste - ted from Avg. dai day. ted plastic han the MT/ day k proper static P MT/day ted stear	as fu 1.42 a the by pla stic v e dat // inc fy.	c waste general supplies waste general provided stress that	perated is Dece  Us D	er of 40 T  er of 40 T  e.e. waste t) n - 0.95 I	87 31 FPH pap MT/c	85.49 90 capacit er) (as flay
FAR OLF VIA PE	Non-paper solid As per data prov  Plastic waste ger  Production Days  Avg. daily plastic For disposal, the located in Unit Percent Non-papereration Daily waste generation Daily waste generation Waste generation Mary Political solid Waste generation Remarks  Air Polition man  a. Boiler capacity b. Stack details c. APCD installed d. Estimated stearequirement @	waste ge ided by the related (if waste ge unit is 2. per solid ration waste/pion @3 ste paper or ted in 1.8 T/T d from w	nerated he unit, MT) neration using the waste olastic % of er and waste ent	Plastic calculat Actual / O2 MT// Estimat more t (0.95 I logbool 27 TPH Stack I Electro 740.707 Estimat	(Plastic legbook ntity of 2023 a 30.87 g a MT/day e plastic waste - ted from Avg. dai day. ted plastic han the MT/ day k proper static P MT/day ted stear	as fu 1.42 the ly pla stic ve dat /) income when the control of th	c waste genember – 2023 32.7  uel in Multi f % of raw m data provide stic waste gener a provided ficates that  tator (ESP) Unit – 1 quirement in	perated is Dece  Us D	er of 40 T  er of 40 T  e.e. waste t) n - 0.95 I	87 31 FPH pap MT/c	85.49 90 capacit er) (as fay

	firm.		Unit		38.842	359.9	169	41.897	740	.707
e. Fuel	2/2/10/2/			sse, Coal		e Husk				- Annount
f. Fuel	consumption (as	per data	provid	ded by a	init):	5 3-	34	5		
For c	uration 01.10.20	23 to 31	1.12,20	323, the	quanti	y of Fu	el con	el consumed in Unit-1 is		
		Coal (N			e (MT)	Rice H	usk (M	(T) To	Total (MT)	
	Oct - 2023	3976.59			623.02		304	.92	4904.5	3
	Nov - 2023	17	69.85	3	687.74		695	.98	6153.5	7
	Dec - 2023	23	48.37	4	288.76	4		0	6637.1	3
	Total		94.81	8	599.52		100	0.9	17695.2	3
g. Actua consu	al Avg. daily ∍mption	fuel	Bagas Rice H	– 89.94 N sse – 95. Husk – 11 avg. dai	55 MT/6	/day	otion –	196.61	MT/das	,
T ste 2.5 and Husk	I fuel consumption  am/ T of coal (I)  steam/T of B  3 T steam/T of	Stean Stean Total 542.0 Unit -	7 MT/da -1 is also	agasse - ice Husk ly steam ny o getting	238.88 - 33.36 genera steam	MT/d MT/d tion fr	lay om actua t's Unit-2	2	onsumpt	
data	ash generation ( provided by unit) ated ash genera		Boiler	rash ge	neratio	n data i	not ma	aintaine	by the	e unit.
husk	consumed	v	@30	n Coal )% /day)	From Bagas 2.5% (MT/s	se @	From Husk 17% (MT/c	ŵ	Total (MT/d	ay)
				26.98		2.39	-	1.89	31.	26
				From Unit – 2 Estimated ash generation from Non-Recyclable Solid					id Refuse Derived	
				100000000000000000000000000000000000000	ste / Pla T/day)	stic Wa	400000000000000000000000000000000000000	uel (RDF		(MT/da
			Unit	-	(Judy)		.45	MT/day)		200
	generation w.r.t	of fuel		% of a	ctual fu			on in Un	20.27 it-1	28.
	of ash disposal:									
Ash d	lisposal informatio	on provi	ded by	unit co	mmon i	or Unit	-1 &	Unit - 2	ls as b	elow:
Agre	ement made with	Dispos	al mod	e	NOT THE OWNER.	10 CH 10 CH	Copy	y of agre ided (Ye	ement	
The second second	Shiva Brick Udyog	Brick n	nanufa	cturing			Yes	The state of the s		
	Suraj Brick Field		F-10-400	cturing			Yes			1
M/s	S.S. Traders	Supply	to Cen	nent plan	nts	econ and	Yes			1
BAc /	Arshad Ali	to Cement plants and filling in plot of Mr. Arshad ated at Bajheri underpass, farnagar			Yes			1		

THE PROPERTY OF THE PARTY OF TH						THE RESERVE TO SERVE AND ADDRESS.		
m.Quantity	-	A refer	and the second second second	Property and the same		CONTRACTOR OF THE PARTY OF THE	4.	
TIDLS BUGBLERY	650	ALC: U	CHECOCHER	125 O	BE /13/13	INFOAGIGGGG	2000	AND SHAPE AND

For duration 01.10.2023 to 31.12.2024, the quantity of ash disposed combined from Unit-1 & Unit-2 is as below:

	Mr. Arshad Ali (MT)	M/s Shiva Brick Udyog (MT)	M/s Suraj Brick Field (MT)	M/s S.S. Traders (MT)	Total (MT)
Oct - 2023	425.8	445,65	0	0	871.45
Nov-2023	228.12	370.29	0	0	598.41
Dec - 2023	404.82	387.72	0	0	792.54
Total	1058.74	1203.66	0	0	2262.40

Total ash provided to third-party vendors: 2262,40 MT

Avg. daily ash disposal: 25.14 MT/day

n. Stack Monitoring results	PM = 45.6 mg/Nm <sup>3</sup> (against norm of 80 mg/Nm <sup>3</sup> )						
o. Remark	Quantity of ash provided to third party vendors (25.14 MT/day) from Unit-I & Unit-II is much lower than the estimated value of ash generation from both the units (59.98 MT/day) indicates that unit is not maintaining the logbook properly.						

14. Hazardous waste management Authorization status Authorization under the provisions of Hazardous and Other Wastes Rules, 2016 issued by UPPCB on dated 27.12.2022 having validityupto 26.12.2027. (Refer Annexure - III) Copy of agreement Agreement made with M/s Bharat Oil & Waste Management recyders /TSDF Ltd. Kanpur Hazardous waste generated As per copies of Form-10 provided by unit (Common for Unit-1 & Unit-2), avg. daily hazardous waste disposal quantity is ETP Sludge - 4.36 kg/day Oil & Grease - 0.34 kg/day

Parameters	рН	Color	COD	TDS	Total Hardness	Total Alkalinity	CI-	SO <sub>4</sub>	F	NO <sub>3</sub> -
Permissible limit as per BIS IS 10500:2012	6.5- 8.5	15	*	2000	600	600	1000	400	1.5	45
Results	7.8	BDL	BDL	352	281	268	31	40	0.35	BDL
Parameters	NO <sub>2</sub> -	Na*	K+	Ca <sup>2+</sup>	Mg <sup>2+</sup>	PO <sub>4</sub> 3*	Cond.	As	Cd	Co
Permissible limit as per BIS IS 10500:2012	*		*	200	100	4	×	0.05	0.003	٠
Results	BDL	21	6	86	16	BDL	623	BDL	BDL	BDL
Parameters	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	V	Zn
Permissible limit as per BIS IS 10500:2012	0.05	1,5	0.3	0.3	0.02	0.01		0.01		15
Results	BDL	BDL	0.25	0.16	BDL	BDL	BDL	BDL	BDL	0.01

#### 16. Major observations:

- 1. There are two manufacturing units in same complex having names M/s Silvertoan Papers Ltd. (i.e. Unit-1) and M/s Silvertoan Papers Ltd. (Unit-2).
- 2. It was observed that the industrial complex has 03 nos. of Borewells in its premises and electromagnetic flowmeters with totalizer found installed at all 03 borewells.
- 3. The logbook for all borewells found maintained. Groundwater abstracted from Borewell-1& 2 is used in Unit-2 and Unit-1 respectively for meeting process water requirements,

- whereas the Borewell-3 is dedicated for meeting water requirement of Boilers located in Unit-1 & Unit-2.
- 4. ICX reactor and Megacell are used as common treatment entity for Unit 1 and Unit 2.
- Unit is non-compliance w.r.t consented discharge norms for BOD (58 mg/l against 20 mg/l), COD (230 mg/l against 200 mg/l), TSS (46 mg/l against 30 mg/l), TDS (3848 mg/l against 1800 mg/l) and SAR (18 against 10).
- To ensure Zero discharge of Black Liquor generated from cooking/digestion section in production process, unit has installed Chemical Recovery Plant (CRP) and the scheme is as below:

Weak Black Liquor (WBL) - Vibro screen - Storage Tank (900 KL) - 07 stage MEE -Condensate to Pulp mill and Concentrate to Venturi Circulation - Spray Dryer -Na<sub>2</sub>CO<sub>3</sub> in form of pellets stored in bags

- Unit has installed electromagnetic flow meter with totalizer at inlet of CRP to measure the quantity of Black Liquor generated/feed to CRP. Chemical Recovery Plant (CRP) was found operational during visit. As per the data provided by unit, the avg. daily quantity of chemical recovered from CRP is 22.73 MT/day.
- Unit has made provision of diverting raw effluent generated from Unit 1 to Equalization tank of ETP in Unit - 2 without any metering.
- As per the data provided by unit, the avg. daily plastic waste generation is 0.95 MT/day which is less than the estimated plastic waste generation rate of 0.2 MT/day, indicates unit is not maintaining the logbook properly.
- Estimated boiler ash generation (i.e. 59.98 MT/day) from Unit-1 and Unit-2 is much more than actual ash disposal quantity (25.14 MT/day) combined for Unit-1 & Unit-2, indicates unit is not maintaining the logbook properly.

### Key Issue

- 1. Non-compliance w.r.t. consented discharge norms
- 2. Improper logbook for generation & disposal of plastic waste.
- Improper logbook for generation & disposal of boiler ash.

#### 17. Compliance Status

Non-complying w. r. t. consented discharge norms

#### 18. Recommendations:

- a. Unit shall improve the O&M of ETP to meet the consented discharge norms,
- Unit shall install separate flow meter with totalizer at ETP inlet for measurement of quantity of effluent fed into ETP and maintain logbook for the same.
- Unit shall dismantle the provision of diverting raw effluent generated from Unit 1 to Equalization tank of ETP in Unit – 2.
- Unit shall maintain properlogbook for boiler ash generation & disposal.
- e. Unit shall maintain proper logbook for plastic waste generation & disposal.

	Sr.No.	CPCB officials	Designation	Organisation	Signature with date
ì	1	Dr. R.K. Singh	Scientist - D	СРСВ	Durgh
	2	Mr. Imran Ali	AEE	UPPCB	O
3	3	Mr. Ashish	Hydrologist	UPGWD	(M)>-
1	4	Ms. Shivangi Goswami	RA - II	CPCB	(Cal Survey!
1	5	Sh. Ankit Shukla	SRF	СРСВ	Surve
	6	Sh. Muktesh Chaudhari	SRF	CPCB	7

### Photographs taken during visit:





Photo 9: Recovery of Na<sub>2</sub>CO<sub>2</sub> in form of pellets from Black Liquor in CRP



Photo 10: OCEMS at ETP outlet



### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone 0522-2720828,2720831, Fax:0522-2720764, Email: infoscuppeh.in, Wobshe; www.appeb.com

180392/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 26/05/2023

To.

M/sSILVERTOAN PAPERS LIMITED

9th KM, BHOPA ROAD, MUZAFFARNAGAR, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

Application no. 20323082 Date :- 2023-04-09

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s SILVERTOAN PAPERS LIMITED located at 9th KM, BHOPA ROAD, MUZAFFARNAGAR, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:

- 1.1 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit		Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper) :	Name of Final Products & By -products with quantity per month	
1	Waste Paper- 70 MT/Day, Imported waste paper- 25,8 MT/Day, Wheat Straw - 225 MT/Day Or Baggasse- 600 MT/Day and Agro Waste Paper	Kraft Paper-180 MT/Day (Waste Paper Based-60 MT/Day and Agro Waste Paper Based- 120 MT/Day), Compressed Biogas - 2300 KG/Day and By Product Elemental Sulphur- 165 KG/Day, TURBINE- 4.0 MW	Kraft Paper-180 MT/Day (Waste Paper Based-60 MT/Day and Agro Waste Paper Based- 120 MT/Day), Compressed Biogas - 2300 KG/Day and By Product Elemental Sulphur-165 KG/Day, TURBINE-4.0 MW

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023,06,08 12:33:02 +05'30'

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the	unit	Permitted by the
		Numbers	Usage / Process operation	Board

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

### 4. Water Conservation Measures

### A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical / Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2025-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.
- 7. This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	< 8 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler < 2.5 m3/t paper With Power Boiler < 5 m3/t paper

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023,06,08 12:33:11 +05'30'

S.No	CCA is valid for	Declared by the unit	Permitted
	1800 KLD	1800 KLD	1800 KLD THROUGH ETP - IRRIGATION/GREEN BELT/DHANDERA DRAIN

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agre-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

### 5. For ZLD unit

- Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- v Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 - 8.5	6.5 – 8.5	6.5 - 8.5	No discharge is allowed
TSS, mg/l	<- 30	<30	<30	No discharge is allowed
BOD, mg/l	<- 20	< 20	< 20	No discharge is allowed
COD, mg/	<- 200	< 150	< 150	No discharge is allowed
TDS, mg/l	< 1800	< 1600	< 1600	No discharge is allowed

Color, PCU	<= 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<- 8		=	No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.

### 14. For Wood based/Agro based paper mill:

- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.

### C. Domestic effluent/Sewage treatment and discharge: -

 This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	3
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SEPTIC TANK

- \* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; E
- Use of jet acrators for improved biodegradation in acration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc.
- Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device	Stack Emission standards
				(APCD)	- Sandarana

1	1 X 27 TPH BOILER	The state of the s	45 METER STACK HEIGHT ABOVE FROM GROUND LEVEL	ESP	AS PER CAQM DIRECTION
---	----------------------	--	---	-----	--------------------------

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit < operating in NCR > shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
  as is required for meeting the ambient noise standards for night and day time as prescribed for
  respective areas/zones (Industria) and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industr	ial Arca	Commer	rcial Area
Day	Night	Day	Night
7.5	70	65	55

### Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m. General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.

- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- Iπ case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof. This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

This CTO is valid only for the production capacity of Kraft Paper-180 MT/Day (Waste Paper Based-60 MT/Day and Agro Waste Paper Based-120 MT/Day), Compressed Biogas - 2300 KG/Day and By Product Elemental Sulphur- 165 KG/Day by using Waste Paper- 70 MT/Day, Imported waste paper- 25.8 MT/Day. Wheat Straw - 225 MT/Day Or Baggasse- 600 MT/Day and Agro Waste Paper as main raw material.

GHAN SHYAM Date: 2023.05.08 1.23358 +05'30

TURBINE- 4.0 MW at site 9th K.M., BHOPA ROAD, DISTRICT-MUZAFFARNAGAR, U.P.

- The Earlier Board has issued a CTO vide Ref No. 109446/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/water/MUZAFFARNAGAR/2020, Dated: 20/01/2021 and Ref No. - 109439/ UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2020, Dated: 20/01/2021 is revoked.
- The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- Unit must submit proof of Bank Guarantee submission in the Board with respect to CTE issued by the Board on dated-06.05.2022, if not then submit Bank Guarantee in the Board within a month, failing which consent shall be deemed automatically cancelled.
- 6. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 7. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 10. Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 11. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 12. The unit shall ensure deployment of qualified manpower to step up self-monitoring mechanism on 24 ×7 basis.
- 13. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 14. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 15. The industry shall operate 27 TPH Boiler installed with ESP and 45 meter stack height from ground level. Fuel should be used in the unit is Biomass- 160 MTDay and Coal- 100 MTD. Only approved fuel is permitted as per CAQM direction. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P. Act 1986 as amended.
- 16. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM a tpoint no. 65.
- 17. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas

(CAOM).

- 18. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 19. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 20. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas I direction no. 55, 62 & 68 regarding DG sets.
- 21. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAOM order.
- 22. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 23. The dying, bleaching and deinking process are not allowed in the production process of the unit.
- 24. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended. Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to
- 25. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 26. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 27. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 28. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 29. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P.Rules 1986.
- The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 31. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 32. Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board.
- 33. The industry shall provide adequate arrangement for fighting the accidental lenkages, discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 34. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 35 Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 36. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000. Digitally signed by could GHAN

37. The unit shall submit the audited balance sheet for the current year. SHYAM

Quiet 2023,06,08 12:14 /1

- \$8. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 39. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06,08 12:34:33 +05:30

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Digitally signed by GRAN SHYAM Date: 2023,06.08 12:34:44 +05:30\*

Chief Environmental Officer (Circle 3)



# GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)
Ministry of Jal Shakti
Government of Uttar Pradesh

### Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC049536 VALID FROM 26/01/2022 TO 25/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2	02201000086		
Name of the Owner	AMIT GARG		
Designation पद	DIRECTOR	Company Name कंपनी का नाम	M/s SILVERTOAN PAPERS LIMITED
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	9TH KM, BHOPA ROAD, MUZAFFARNAGAR, U.P.	Application Form Serial No.	MZFN0122NIN0099
Date of Submission	05/01/2022	Specimen Signature	
Location Particular	s		
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Municipality/Corporation	No
Ward No./Holding No.			N/A
Particular of the Ex	isting Well and Pumping Devi	ce	
Date of Construction/Sinking of the Well	15/01/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	125.00

Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For	Tube Well)		
Type of Pump Used	Submersible	H.P. of the Pump	62.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	180.00
Date of Energization (I	n Case of Electric Pump)	22/01/2007	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	180.00	Maximum Allowable Running Hours Per Day:	12.00
Maximum Allowable A	nnual Extraction of Ground Water:		712800.00

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

### **GENERAL CONDITIONS:**

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital
  water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record
  rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by
  the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from
  the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI.
   (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user.
   Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Prezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

 The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".

- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

Qua	Quantum of Ground water withdrawal	No.of piezometers	Monitring Mechanism		
S.No	(cum/day)	required	Manual	DWLR with Telemetry	
1	< 10	0	0	0	
2	11 - 50	1	1	0	
3	50- 500	1	0	1	
4	> 500	2	0	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Ultar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- · Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Utter Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level
  monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing
  to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent.
  The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production
  well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly
  water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries
  which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery,

4/21/22; 4:17 PM 681

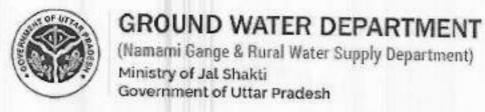
pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

- · vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring
  of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water
  Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for
  inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 19/04/2022

Place: Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



### Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC048680 VALID FROM 26/01/2022 TO 25/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2	02201000087		
Name of the Owner	AMIT GARG		
Designation पद	DIRECTOR	Company Name कंपनी का नाम	M/s SILVERTOAN PAPERS LIMITED
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	9TH KM, BHOPA ROAD, MUZAFFARNAGAR, U.P.	Application Form Serial No.	MZFN0122NIN0100
Date of Submission	05/01/2022	Specimen Signature	
Location Particular	s		
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Municipality/Corporation	No
Ward No./Holding No.			N/A
Particular of the Ex	isting Well and Pumping Devi	ce	
Date of Construction/Sinking of the Well	21/01/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	125.00

Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For	Tube Well)		
Type of Pump Used	Submersible	H.P. of the Pump	62.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	180.00
Date of Energization (I	In Case of Electric Pump)	27/01/2007	
Maximum Allowable Rate of Withdrawal (m³/hr.):	180.00	Maximum Allowable Running Hours Per Day:	10.00
Maximum Allowable A	nnual Extraction of Ground Water:		594000.00

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital
  water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record
  rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by
  the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from
  the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI.
   (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user.
   Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Plezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

 The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".

- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of plezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No	Quantum	m of Ground water withdrawal	No.of piezometers	Monitiring Mechanism	
0.140		(cum/day)	required	Manual	DWLR with Telemetry
1		< 10	0	0	0
2	12	11 - 50	1	1	0
3		50- 500	1	0	1
4		> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit
  through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/
  National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of
  the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground
  water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level
  monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing
  to draw more than 10 m<sup>3</sup> /day of ground water and. Monitoring of water level shall be done by the project proponent.
  The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production
  well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly
  water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries
  which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery,

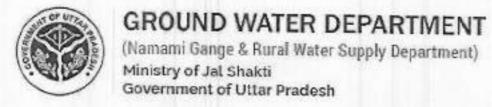
pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring
  of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water
  Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for
  inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for tollet flushing, car washing, gardening etc

Date: 19/04/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



### Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC030506 VALID FROM 26/01/2022 TO 25/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 20	02201000088		
Name of the Owner	AMIT GARG		
Designation पद	DIRECTOR	Company Name कंपनी का नाम	M/s SILVERTOAN PAPERS LIMITED
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Authorization Letter पाधिकार पत्र	Download
Address of the Applicant	9TH KM, BHOPA ROAD, MUZAFFARNAGAR, U.P.	Application Form Serial No.	MZFN0122NIN0101
Date of Submission	05/01/2022	Specimen Signature	
Location Particular	s		
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Municipality/Corporation	No
Ward No./Holding No.			N/A
Particular of the Ex	isting Well and Pumping Devi	ce	
Date of Construction/Sinking of the Well	07/02/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	42.00

Purpose of well	Industrial		Assembly Size(For Tube Well)	
Strainer Position (For	Tube Well)			
Type of Pump Used	Submersible		H.P. of the Pump	15.00
Operational Device	Electric Motor		Rate of Withdrawal (m³/hr.)	54.00
Date of Energization (I	in Case of Electric Pump)		14/02/2007	
Maximum Allowable Rate of Withdrawal (m³/hr.):	54.00		Maximum Allowable Running Hours Per Day:	10.00
Maximum Allowable A	nnual Extraction of Ground W	ater:		178200.00

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3i), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital
  water flow meters (conforming to BIS/IS standards) having telemetry system in the abstraction structure, which record
  rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by
  the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from
  the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI.
   (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user.
   Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

 The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".

- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No	Quantum of Ground water withdrawal	Quantum of Ground water withdrawal No.of piezometers (cum/day) required	Monitiring Mechanism	
0.110	(cum/day)		Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	31	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and
  assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring System for
  Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Ultar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- · Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit
  through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/
  National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of
  the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground
  water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level
  monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing
  to draw more than 10 m<sup>3</sup> /day of ground water and. Monitoring of water level shall be done by the project proponent.
  The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production
  well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly
  water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries
  which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery,

pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring
  of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water
  Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for
  inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 19/04/2022

Place: Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



# UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website: www.uppcb.com

Ref. No: 18952/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated: 27/12/2022

To,

M/s SILVERTOAN PAPERS LIMITED

9th Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFARNAGAR, 251001

Tehsil:MuzaffarNagar

District :MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- 1. Number of authorization and date of issue 18952 and 27/12/2022.
- Reference of application (No. and date) 18695315 and 22/11/2022.
- Mr AMIT GARG of M/s SILVERTOAN PAPERS LIMITED is hereby granted an
  authorization based on the enclosed signed inspection report for generation, collection,
  utilization, storage and disposal or any other use of hazardous or other wastes or both on the
  premises situated at 9TH K.M. STONE, BHOPA ROAD, MUZAFFARNAGAR.

### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules L,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULE I (USED OR SPENT OIL)	THROUGH TSDF	0.25 MT/ANNUM
2	CATEGORY 33.1 AS PER SCHEDULE I (EMPTY BARRELS/CONTAINERS /LINERS CONTAMINATED WITH HAZARDOUS CHEMICALS/WASTES)	THROUGH TSDF	2.0 MT/ANNUM
3	CATEGORY 33.2 AS PER SCHEDULE I (CONTAMINATED COTTON RAGS OR OTHER CLEANING MATERIALS)	THROUGH TSDF	0.10 MT/ANNUM
4	CATEGORY 34.2 AS PER SCHEDULE I (SLUDGE FROM TREATMENT OF WASTE WATER ARISING OUT OF CLEANING / DISPOSAL OF BARRELS / CONTAINERS)	THROUGH TSDF	10 MT/ANNUM

- The authorization shall be valid for a period of 26/12/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.

ABHISHEK TRIPATHI Digitally signed by ABRUSHEK TRIPATHI Date: 2023.01.10.13:22:26 +05'30'

- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be ABHISHEK TRIPATHI TOWNSHIEK

Date: 2023.01.10 13:22:38 +05'30'

sent within fifteen days of receipt of this letter.

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

ABHISHEK TRIPATHI Digitally signed by ABHISHEK TRIPATHI Date: 2023.01.10 13:22:46 +05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action .

ABHISHEK TRIPATHI Dete: 2023,01,10

CEO/EE, I/C Circle

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

### Date of inspection:12.01.2024

### A. General section

1.	Name of the unit with complete postal address:	M/s Silvertoan Papers Ltd. (Unit-2), 09thm stone, Bhopa road, Muzaffarnagar, Uttar Pradesh – 251001
2.	Spatial Co-ordinates	Latitude - 29.469105, Longitude - 77.786733
3.	Industry Operational status	
4.	Consent status	Consolidated Consent to Operate and Authorization (CCA) dated 17.01.2023 issued by UPPCB under section – 25 of Water Act, 1974 and under section – 21 of Air Act, 1981 having validity upto 31.12.2027[Refer Annexure – I)

5.	Proces		Manufacturing of indigenous) as raw	Kraft paper material.	using waste paper(import					
6.	Raw m	aterial								
		sented value	Waste paper - 350	MT/day						
	b. Actu	ial raw material o	onsumption(as per	record provided by	unit):					
	Month		Indigenous waste paper (MT)	Imported waste paper (MT)	Total raw material (i.e. waste paper) (MT)					
		Oct - 2023	3310.30	1243.72	4554.02					
		Nov - 2023	2807.06	1834.12	4641.18					
	Dec - 2023		4576.11							
		Total	10693.47	0.000	14250.95					
		sumption	2023-90 days	days during 01% Oc	tober 2023 to 31st December					
7.	Produc	tion	y denig tradec p	sper consumption	130.34117009					
	The second secon	sented value	Kraft Paper @ :	300 MT/day						
	- C20 1 V C20 1970	al Production	Month	Production (MT)						
		per record	Oct - 2023	4488.01	1					
	prov	vided by unit)	Nov - 2023	4471.20	0					
			Dec - 2023	4694.82	2					
			Total	13654.03	3					
		mated daily fuction	151.71MT/day							
	d. Yield		95.81 % of raw material							
		mated non-paper te generation	6.63 MT/day							
8.		water consumpt		AND MANAGES						
	auth	/A/other orized body	The Uttar Pradesh Ground Water Department (UPGWD) has grante three separate No Objection Certificates (NOCs) in name of M, Silvertoan Papers Ltd. for groundwater abstraction from Q Borewells, all having validity upto 25.01.2027(Refer Annexure - II							
	b. Details of borewell		Three borewells having electromagnetic flow meters found installed Borewell-1 is used for Unit – 2 Borewell-2is used for Unit – 1 Borewell-3 is dedicated for meeting water requirements in Boilers Installed in Unit-1 & Unit-2							
	quar		(combined for bo	oth units i.e. Unit -	1 & Unit = 2)					
	quar	al withdrawal	2103.02KLD (du (combined for br	ring 01.10.2023 - : oth units i.e. Unit =	31.12.2023) 1 & Unit – 2)					
	cons	al freshwater sumed in process boiler	Avg. daily freshv	vater consumption	in process in Unit-2:587.94 KL					

_	consumpt		E-C-T-C-T-C-T-C-T-C-T-C-T-C-T-C-T-C-T-C-								
	Effluent Mai										
	a, Consented value	discharge	700 KLD	700 KLD							
	b, Estimated discharge	daily efflue	nt 540.78 KLD								
	<ul> <li>c. Specific eff discharge</li> </ul>	(Albanie	3.56KL/MT								
	Effluent Tre	atment Pl	ant (ETP)								
	a. ETP consis	sts of	Holding tan	Bar screen – Equalization tank – Hill screen – Primary clarifier – Holding tank – ICX Reactor - Aeration tank – Secondary Clarifier Mega Cell –Activated Carbon Filter							
П	b. Installed of	capacity	3500 KLD	====							
1	c. Metering a	at ETP	ETP inlet		V-no	otch, and logb	ook maintain	ed			
1			Recycling po	oints		effluent recycli					
			ETP outlet		V-notch and ultrasonic type flow meter without totalizer installed and legbook maintained						
I	d. Operation	al status	Operational	during							
			Flow at inlet	: 104.3	5 m3/	/hr					
	e. OCEMS at	ETP outlet	with CPCB/S Reading not pH- 7.50; T	OCEMS was found installed at ETP outlet and provided connectivity with CPCB/SPCB server.  Reading noted during visit:  pH- 7.50; TSS- 35.19 mg/l; BOD- 12.20 mg/l;  COD- 211.67 mg/l; Flow- 9.93 m³/hr							
1	f. Effluent C	Characteri	stics:	r mg/r,	FIGW	- 9,93 m /m					
	Parameter	ETP inlet	ETP outlet	Norm pe cons	er.	Compliance w.r.t. consent	Norms notified by MoEF&CC	Compliance w.r.t. notifie norms			
1	pH	6.2	7.4	7.0 -		Compliance	7.0 - 8.5	Compliance			
I	COD (mg/l)	13760	227	350 n	ng/l	Compliance	350 mg/l	Compliance			
	BOD (mg/l)	5129	59	30 mg	g/I	Non - Compliance	30 mg/l	Non - Compliance			
ŀ	TSS (mg/l)	2898	35	50 mg	g/I	Compliance	50 mg/l	Compliance			
1	TDS (mg/l)	8880	3236				-	7			
	Color (hazen)	BDL	10					•			
	SAR		19								
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AOx (mg/l)	•	0.067 mg/l l.e. 0.0002 kg/ton of product	kg/to	n of	Compliance	1.0 kg/ton of product	Compliance			
	Sulphide (mg/l)	*	4.4 mg/l	-		-	*	-			
	Aeration Tan		5944 mg/l; MLV: 976 mg/l	SS - 365	52 mg	g/I					
1	g. ETP Sludg										
	Biological slud generation (as per logbod Daily sludge g Specific sludge Sludge Mana disposal	ige ok) eneration e generatio agement	Sludge from press install (i.e. M/s Bha As per data rate (combin & sper the hazardous v from Unit-1 Avg. daily s matches with	led on grat Oil provide ned fron copie vaste di & Unit-; ludge g h quant	site a & War d by n Unit s of isposa 2) enera	nd Secondary and dewatered ste Manageme the unit, the a -1 & Unit-2) is Form-10 pr all to TSDF is stion rate (as sludge dispos	d Sludge proent Ltd.). avg. daily slu s 4.88 kg/day ovided by @ 4.36 kg/d	dge generation  unit regardin  day (combine			
	generation @		0.45 M1/089	matches with quantity of sludge disposed through TSDF 0.49 MT/day							

	inlet TSS	load		ne logbook data provided for sludge generation for Unit-I & C							
	Remark		gen	eration	(day) is m	uch less t day), whi	than th ch indi	generation e estimate cates that	a ouley by	f olivi	
1,	Non-pag	per solid wa	ste manae	ement	(Plastic	Waste)	riy,			_	
	Non-pap	or solid waste	generated	(As ne	r (nahook)						
I	As per da	ata provided	the qu	Octobe - 2023	r Nover	nber	nerated is a December 2023	Total			
		Plastic was	te generate	(MT)	64.3		5.46	70.78	200.61		
	1)	Production	Mark Comments of the Comments	13	-	9	30	31	90		
		Total plasti	c waste gen	erated -	and the second section is		30	51	90		
	For dispo	Total produ Avg. daily p	iction days -	-90 general	tion - 2.23	MT/day	In our	Mark Car	1 halla		
	For disposal, the unit is using this waste plastic as fuel in own Multi fuel boiler of capacity.										
		Non-paper s	olid waste		ic waste -	1.41% o	f raw r	naterial (L	e. waste o	oane	
1	generation	in ste generation		(as c	alculated f	from the	data pr	rovided by	unit)		
	Potentia waste indigend	I solid was generation ous waste p imported wa	te/plastic	5.14 unit. gene	MT/day as Hence nor ration data	gainst 2.2 n-paper s a is much	3 MT/ olid wa lower	generation day as per aste (plasti than the e aining the	data pro c waste) stimated	vide	
2.	Air Pollu	tion manag	ement	1 marc	acca bide o	HIT IS HOL	Friday	aining the	юдооок р	rope	
1	a. Boiler	capacity	40 T								
1	b. Stack			k Height - 30 m							
1	d. Estima			et Scrubber							
1		ement @ 1.8	1000	3.08 MT/day for Unit - 2 imated steam requirement in ratio of fuel consumption							
		er produced		Fr.	om Non-Re lid Waste / aste (MT/d	cyclable From Refi Plastic Derived F		Refuse	fuse Total Fuel (MT/day		
			Unit	-2		151.74		121.34	273.00	3	
	e. Fuel us		Non-	Recyclat	ole Solid W	aste / Plas	tic Wa	ste, Refuse			
	f. Fuel co For du below:	nsumption (a ration 01.10.	s per data	provide	d by unit)	*					
			Non-Recy / Plastic W		olid Waste T)	Refuse [ Fuel (RD	120000000	- revenue (	MT)		
		Oct - 2023			8007.9		42	1.1	8050		
		Nov - 2023			4799.19		3760.	71	8559.9		
		Dec - 2023			2401,31		8358.	51 1	0759.82		
		Total (MT)			15208.4		12161.	32 2	7369.72		
		Avg. daily									
-	a Astron	(MT/day)	9 7 7		168.98		135.	Action 1 to 1	304.11		
	g. Actual consum		ily fuel	approxi fuel ava Non-Rei Refuse I	mately 559 illable for o cyclable So Derived Fur	6 moisture ombustion fid Waste el (RDF) –	conte is: / Plasti 60.80 )	te / Plastic \ nt, hence a c Waste – 7 MT/day onsumption	ctual quan /6.04 MT/d	tity o	
	h. Steam actual f T/T of RDF	generation fuel consump Plastic, and	tion @ 4 3T /T of	Steam f Steam f Total av	rom Plastic rom RDF –	- 304.16 182.42 M	MT/da T/day	y from actual			

-	-			Unit -21	s supply	ying steam to	its	Init - 1 c	niso	
	Daily ash ger data provided	d by unit)		Fly ash o	generat	ion data not	mai	ntained	by the ur	nit.
1.	Estimated as	h generat	ion @	From Un						
				Estimate	d ash	generation f	rom a	ctual fu	el consu	mption o
				From Co	al	From		n Rice	Total	-71
			ruel	@30%		Bagasse @	Husi	200	(MT/da	ly)
	(NEW) CONSUM	Hard.		(MT/da		2.5%	17%			
						(MT/day)	(MT	/day)		
				- 2	26.98	2.39		1.89	31.	26
				From Un Estimate	Non-l	generation for Recyclable So e / Plastic Wa day)	lid		Derived )F)	nption o Total (MT/da
				Unit-2		-	.45	10007	20.27	28.7
-				Estimate	d avg.	otal fuel con daily ash ge	neral	tion - 2	8.72 MT/	
K.			f fuel	9.44 % (	of actua	ol fuel consu	mpti	on in Un	it-2	-0.140.1
L										
			n provi	ded by un	it com	mon for Unit	-1 8	Unit -	2 is as b	elow:
	Agreement n	nade with	Dispos	sal mode			Co		reement	
			Brick r	manufactu	ring		Ye	5		
	M/s Suraj Bri	ck Field	Brick r	manufactu	ring		Yes	s		
	M/s S.S. Trad	ers	Supply	to Cemen	t plants		Ye	5		
	Mr. Arshad A	li .		and filling i		f Mr. Arshad nderpass,	Ye	5		
				farnagar						
	For duration	01.10.202 below:	3 to 31		the qu	second commercial	M,	oosed co /s S.S. aders	Total (MT)	from Un
	Oct = 2022		125.0		445.65		-		074 45	-
	200000000000000000000000000000000000000	-	-		370.29			0	871.45	-
	-		-					0	598.41	-
	Total				387.72		-	0	792.54	4
	10000000		ACCUSES NO. 10.		203.66	Accompany of the last of the		0	2262.40	
	Avg. daily ad	n disposal	25 14	MT/day	5: 226	2.40 MT				
n.					7 ma/N	lm³(against	nerm	of 80 r	ng/Nm3\	
	Remark			Quantity MT/day) estimated MT/day) roperly.	of as from d value indicat	h provided Unit-I & U of ash gene es that unit	to i Init-I eratio t is r	third particular parti	orty ven uch lowe both the ntaining	er than units (5) the logb
		I/s Shiva Brick Udyog Brick I/s Suraj Brick Field Brick I/s S.S. Traders Suppler. Arshad Ali Low Ali s Muzuantity of Ash disposal (as r duration 01.10.2023 to : Unit-2 is as below:    Mr. Arshad Ali (MT)		- 11 to 100 mal	POST IL OF	Confet Date	utaj/U	201 (00)	o mot ver	nreu.
н	azardous was	te mana	gemen	t						

						exure - II	CONTRACTOR OF THE PARTY OF THE	Marine S	10 10000		
	Copy of ag recyclers /TSDF	reeme	nt wit	1.000	eement Kanpu		h M/s Bhara	t Oil & \	Waste M	anage	ment
	Hazardous wast	e gene	rated	Qua ETP	t-1 & U intity is Sludge	ies of Form nit-2), avg as below: e - 4.36 kg se - 0.34 k	/day	d by un rdous w	it (Com aste dis	mon fo posal	ar.
14.	Ground water	Analy:	is resu	lts(cor	nmon f	or Unit-1 8	Unit-2) -	3 3	0.		
	Parameters	pH	Color	COD	TDS	Total	Total Alkalinity	CI*	504"	F	NO <sub>x</sub> -
	Permissible limit as per	6.5- 8.5	15	25	2000	600	600	1000	400	1.5	45

Parameters	pH	Color	COD	TDS	Total Hardness	Total Alkalinity	CI-	504"	F	NO <sub>x</sub>
Permissible limit as per BIS IS 10500:2012	6.5- 8.5	15	5.	2000	600	600	1000	400	1.5	45
Results	7.8	BDL	BDL	352	281	268	31	40	0.35	BDL
Parameters	NO <sub>2</sub> -	Na*	K+	Ca <sup>2+</sup>	Mg <sup>2+</sup>	PO <sub>4</sub> 2-	Cond.	As	Cd	Co
Permissible limit as per BIS IS 10500:2012		*	*	200	100		8)	0.05	0.003	
Results	BDL	21	6	86	16	BDL	623	BDL	BDL	BDL
Parameters	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	V	Zn
Permissible limit as per BIS IS 10500:2012	0.05	1.5	0.3	0.3	0.02	0.01	-	0.01	2.5	15
Results	BDL	BDL	0.25	0.16	BDL	BDL	BDL	BDL	BDL	0.01

15. Major observations:

 During visit it was observed that there are two manufacturing units in same complex having names M/s Silvertoan Papers Ltd. (i.e. Unit-1) and M/s Silvertoan Papers Ltd. (Unit-2).

2. It was observed that the industrial complex has 03 no. of Borewells in its premises and electromagnetic flowmeters with totalizer found installed at all 03 borewells. The logbook for all borewells found maintained. Groundwater abstracted from Borewell-1& 2 is used in Unit-2 and Unit-1 respectively for meeting process water requirements, whereas the Borewell-3 is dedicated for meeting water requirements of Boilers located in Unit-1 & Unit-2.

ICX reactor and Megacell are used as common treatment entity for Unit - 1 and Unit - 2.

 Analysis results of samples collected from ETP outlet indicate non-compliance w.r.t consented discharge norms for BOD (59 mg/l against 30 mg/l).

 As per the data provided by unit, the avg. daily non-paper solid waste/plastic waste generation is 2.23 MT/day which is less than the estimated plastic waste generation rate of 5.14 MT/day, indicates unit is not maintaining the logbook properly.

 The unit is using Non - recyclable solid waste/plastic waste and Refuse Derived Fuel (RDF) as fuel in own Multi fuel boiler of 40 TPH capacity.

During visit, the unit representative informed that, they are also accepting plastic waste from other industries and details are mentioned below;

Name of industry October November December Total (MT) (MT) (MT) M/s Agarwal Duplex Board Mills Ltd. 37.52 71.55 27.755 136.825 M/s Century Pulp & Paper 36.98 69.68 228.95 335.61 M/s IMN Green Energy Pvt. Ltd. 324.98 525.88 0 850.86 M/s Kailashi Devi Pulp & Paper Products 10.215 0 10.215 M/s Mahalaxmi Trading Company 6334.66 7277.19 9413.59 23025.45 M/s Ramaa Shyama Papers Pvt. Ltd. 24.85 24.29 49.14 M/s Shakumbhari pulp & Paper mill Ltd. 31.82 37.46 32.67 101.95 M/s Shivanya Enterprises 12.615 15.12 27.735

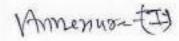
	MILES	star Kraft Papers Pvt. Ltd.	37.	.48	0 0	97.48
	M/s t	Daya Charan and Company		0 (	754.99	754.99
	M/s (	Daya Charan and Company (Lu	cknow)	0 (	81.93	81.93
	Total		6911.1			25472.19
	Avg.	quantity of waste plastic recei daily quantity of waste plastic	ived from other ind received from othe	lustries in last 0 r industries – 2	3 months - 256 83.02 MT/day	172.19 MT
	Key Iss 1. No 2. Im	on-compliance w.r.t. consent oproper logbook for plastic w	quantity (25,14) ng the logbook pro ted discharge norm taste generation a	MT/day) compeny.  ms and disposal.	Unit-1 and Unbined for Uni	Init-2 is mi it-1 & Unit
16.	3. In	proper logbook for boiler as ance Status	h generation and	disposal		
- 33		ischarge norms: Non-comp	plying			
	9 1	Instrument incomes to a Cast a				
	6. L	Jnit shall improve the O&M of Jnit shall install separate floot quantity of effluent fed into the Jnit shall maintain separate Jnit shall maintain proper loot Jnit shall maintain proper loot.	w meter with tota ETP and maintain records for ash ge	lizer at ETP inl logbook for the eneration and	et for measure e same. ash disposal fo	ement of or Unit-I &
	b. t c, t d. t	Jnit shall install separate flo quantity of effluent fed into l Jnit shall maintain separate	w meter with tota ETP and maintain records for ash ge	lizer at ETP inl logbook for the eneration and	et for measure e same. ash disposal fo	ement of or Unit-I &
18.	b. t c, t d. t	Jnit shall install separate flo quantity of effluent fed into l Jnit shall maintain separate Jnit-II. Jnit shall maintain proper lo	w meter with tota ETP and maintain records for ash ge	lizer at ETP inl logbook for the eneration and	et for measure e same. ash disposal fo on and disposa	ement of or Unit-I &
18.	b. t c. t d. t	Jnit shall install separate flo quantity of effluent fed into I Jnit shall maintain separate Jnit-II, Jnit shall maintain proper lo ion team details:	w meter with tota ETP and maintain records for ash ge gbook for plastic v	lizer at ETP in logbook for the eneration and waste generati	et for measure e same. ash disposal fo on and disposa on Signate	ement of or Unit-I & al.
18.	d. U Inspect	Jnit shall install separate flo quantity of effluent fed into I Jnit shall maintain separate Jnit-II. Jnit shall maintain proper lo ion team details: Name of officials	w meter with total ETP and maintain records for ash ge gbook for plastic v	lizer at ETP infolgook for the eneration and waste generation of the organisation and organisation organisation.	et for measure e same. ash disposal fo on and disposa on Signate	ement of or Unit-I & al.
18.	c. i d. i Inspect	Jnit shall install separate flo quantity of effluent fed into I Jnit shall maintain separate Jnit-II, Jnit shall maintain proper lo ion team details: Name of officials Dr. R.K. Singh	w meter with total ETP and maintain records for ash go gbook for plastic v Designation Scientist - D	lizer at ETP infolgook for the eneration and waste generation of the eneration and eneration are generated.  Organisation of the eneration of the eneration are generated to the energy of the energy	et for measure e same. ash disposal fo on and disposa on Signate	ement of or Unit-1 & al.
18.	Inspect Sr.No.	Jnit shall install separate floquantity of effluent fed into I Jnit shall maintain separate Jnit-II. Jnit shall maintain proper local ion team details:  Name of officials  Dr. R.K. Singh  Mr. Imran Ali	w meter with total ETP and maintain records for ash go gbook for plastic v  Designation  Scientist - D  AEE	lizer at ETP infolgook for the eneration and waste generation and CPCB, Delhi UPPCB	et for measure e same. ash disposal for on and disposa  Signate date	or Unit-I &
18.	b. C. I. d. I. Inspect Sr.No.	Jnit shall install separate flo quantity of effluent fed into it Jnit shall maintain separate Jnit-II. Jnit shall maintain proper lo- ion team details: Name of officials  Dr. R.K. Singh  Mr. Imran Ali  Mr. Ashish	w meter with total ETP and maintain records for ash ge gbook for plastic v  Designation  Scientist - D  AEE  Hydrologist	lizer at ETP infolgook for the eneration and waste generation and CPCB, Delhi UPPCB	et for measure e same. ash disposal fo on and disposa on Signate	or Unit-I & al.

#### **Photographs**









### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppeb.in, Website: www.uppeb.com

191763/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 27/10/2023

To,

M/sSILVERTOAN PAPERS LIMITED UNIT 2

9.0th KM Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution) Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

### Application no. 22531942

Date :- 2023-08-24

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s SILVERTOAN PAPERS LIMITED UNIT 2 located at 9.0th KM Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit	Permitted by the Board	
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	WASTE PAPER/IMPORTEDWASTE PAPER -350 MT/DAY	KRAFT PAPER-300 MT/DAY, CAPTIVE POWER PLANT - 4.44 MW	KRAFT PAPER-300 MT/DAY, CAPTIVE POWER PLANT - 4.44 MW

### 3. Production Process Infrastructure

S. No.	Details	Declared by the unit		Permitted by the
		Numbers	Usage / Process operation	Board

1	RAW MATERIAL WASTE PAPER/IMPORTEDWA	STE PAPER -350		STE PAPER -350 MT/DAY, CAPTIVE
	MW	MW	MW	POWER PLANT - 4.44 MW

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

### A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical / Critical // Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2027-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed	
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced	
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper	

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.

- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
1			700 KLD -DHANDERA DRAIN TO RIVER KALI WEST

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- v Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 – 8.5	6.5 – 8.5	6.5 – 8.5	No discharge is allowed

TSS, mg/l	<= 30	<30	<30	No discharge is allowed
BOD, mg/l	<= 20	< 20	< 20	No discharge is allowed
COD, mg/	<= 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<= 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<= 8	-	-	No discharge is allowed
SAR	<= 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.

PRADEEP SHARMA Digitally signed by PRADEEP SHAMA Dose: 2023 18:27 10:10:26 +05'38'

### C. Domestic effluent/Sewage treatment and discharge: -

 This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
12	Maximum daily discharge of sewage	3.0
2.	Treatment facility	3.0
3.	Discharge point	3.0

\* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms;

S.No	Parameter	Standard	
	The state of the s	The state of the s	

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.

### 6. Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; E
- d. Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

PRADEEP SHARMA Digitally signed by PRADEEP SHARMA Date: 2023,10:27 18:18:09 +05'30'  The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
I	I X 40 TPH MULTI FUEL BOILER, I X 15 TPH BOILER	RDF/MSW/NRS W - 480 MT/DAY, AGRO FUEL- 300 MT/DAY	45 METER COMBINED STACK HEIGHT ABOVE FROM GROUND LEVEL	40 TPH MULTI FUEL BOILER with BAG FILTER and SELECTIVE NONCATALYTI C REDUCTION TECHNOLOGY (SNCR), 15 TPH BOILER with MULTI CYCLONE, WET SCRUBBER	AS PER CAQM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
  as is required for meeting the ambient noise standards for night and day time as prescribed for
  respective areas/zones (Industrial and Commercial) which are as follows: -

VIII.	Standards forNoise	level in db.(A) Leq	
Industrial Area		Comme	rcial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved
  within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be
  considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.

SHARMA SHARMA

- 7. Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- 12. made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.

PRADEEP SHARMA Charlety separately POZDEP SAFANA Cuto 2001; 10:27 11:17:31 +05147

- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

### Specific Conditions:-

- This CTO is valid only for the production capacity of KRAFT PAPER-300 MT/DAY BY USING RAW MATERIAL AS WASTE PAPER/IMPORTEDWASTE PAPER - 350 MT/DAY, 40 TPH MULTI FUEL BOILER, CAPTIVE POWER PLANT OF CAPACITY- 4.44 MW Only at site 9TH K.M., BHOPA ROAD, DISTRICT-MUZAFFARNAGAR, U.P., 251001.
- The Earlier Board has issued a CTO vide Ref No. The Earlier Board has issued a CTO vide Ref No. 172365/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAGAR/2022, Date: 17/01/2023 is revoked.
- 3. The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- 4. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 5. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- The unit will not use agro based raw materials in the production process.
- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 10. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 12. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 13. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 14. The industry shall operate as per norms 1 X 40 TPH Multi Fuel Boiler Installed with Bag Filter And Selective Noncatalytic Reduction Technology (SNCR), 1 X 15 TPH Boiler (Stand By) with Multi Cyclone, Wet Scrubber and 45 Meter Combined Stack Height From Ground Level. Fuel for 40 TPH Boiler is RDF/MSW/NRSW 480 MT/DAY and for 15 TPH Boiler is Agro Fuel- 300 MT/Day. Only Approved Fuel Be Permitted as Per CAQM Direction. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 15. As per the directions given by Commission for Air Quality Management in National Capital Region and

Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09,2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQMat point no. 65.

- 16. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 17. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 18. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 20. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 21. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 22. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 23. Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 24. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 25. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 26. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 27. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 28. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 29. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P Rules 1986.
- 30. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board for expanded Hazardous Waste Material within a month.
- 33. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 34. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior

approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.

- 35. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 36. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 37. The unit shall submit the audited balance sheet for the current year.
- 38. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

PRADEEP SHARMA Digitally signed by PRADEEP SHARMA Date: 2023.10.27 18:16:39

+6530

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA SHARMA SHARMA DOLE THE HEST ASSET

Chief Environmental Officer (Circle 3)



# GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC030506 VALID FROM 26/01/2022 TO 25/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2	02201000088		
Name of the Owner	AMIT GARG		
Designation पद	DIRECTOR	Company Name कंपनी का नाम	M/s SILVERTOAN PAPERS LIMITED
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	9TH KM, BHOPA ROAD, MUZAFFARNAGAR, U.P.	Application Form Serial No.	MZFN0122NIN010
Date of Submission	05/01/2022	Specimen Signature	
Location Particular	s		
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Municipality/Corporation	No
Ward No./Holding No.			N/A
Particular of the Ex	isting Well and Pumping Devi	ce	
Date of Construction/Sinking of the Well	07/02/2007		
Fype of Well	Tube Well/Boring	Depth of the Well (In meter)	42.00

Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For	Tube Well)		
Type of Pump Used	* Submersible	H.P. of the Pump	15.00
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	54.00
Date of Energization (I	n Case of Electric Pump)	14/02/2007	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	54.00	Maximum Allowable Running Hours Per Day:	10.00
Maximum Allowable A	nnual Extraction of Ground Water:		178200.00

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital
  water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record
  rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by
  the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from
  the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as Indicated at St.
   (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user.
   Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

 The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".

- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitiring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- . Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### · SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level
  monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing
  to draw more than 10 m<sup>3</sup> /day of ground water and. Monitoring of water level shall be done by the project proponent.
  The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production
  well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly
  water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries
  which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery.

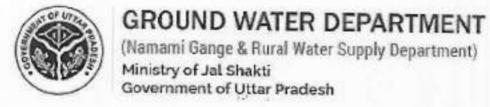
posticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring
  of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water
  Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for
  inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for tollet flushing, car washing, gardening eto

Date: 19/04/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



### Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC048680 VALID FROM 26/01/2022 TO 25/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2	02201000087		
Name of the Owner	AMIT GARG		
Designation पद	DIRECTOR	Company Name कंपनी का नाम	M/s SILVERTOAN PAPERS LIMITED
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	9TH KM, BHOPA ROAD, MUZAFFARNAGAR, U.P.	Application Form Serial No.	MZFN0122NIN0100
Date of Submission	05/01/2022	Specimen Signature	
Location Particular	s		
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Municipality/Corporation	No
Ward No./Holding No.			N/A
Particular of the Ex	isting Well and Pumping Devi	ce	
Date of Construction/Sinking of the Well	21/01/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	125.00

Purpose of well	Industrial Assembly Size(For Tube Well)		
Strainer Position (For	Tube Well)		
Type of Pump Used	Submersible	H.P. of the Pump	62.00
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	180.00
Date of Energization (I	n Case of Electric Pump)	27/01/2007	
Maximum Allowable Rate of Withdrawal (m³/hr.):	180.00	Maximum Allowable Running Hours Per Day:	10.00
Maximum Allowable A	nnual Extraction of Ground Water:		594000.00
			The second of the second of

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital
  water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record
  rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by
  the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from
  the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI.
   (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user.
   Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Plezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

 The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".

- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of plezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

0.11	.No Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitiring Mechanism	
5.110			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and
  assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for
  Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### · SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit
  through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/
  National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of
  the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground
  water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level
  monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing
  to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent.
  The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production
  well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly
  water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries
  which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery,

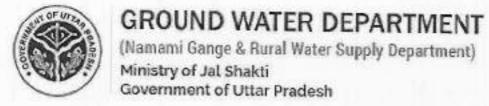
posticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring
  of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water
  Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for
  inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 19/04/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



### Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC049536 VALID FROM 26/01/2022 TO 25/01/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2	02201000086		
Name of the Owner	AMIT GARG		
Designation पद	DIRECTOR	Company Name कंपनी का नाम	M/s SILVERTOAN PAPERS LIMITED
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	9TH KM, BHOPA ROAD, MUZAFFARNAGAR, U.P.	Application Form Serial No.	MZFN0122NIN0099
Date of Submission	05/01/2022	Specimen Signature	
Location Particular	s		
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	9TH KM, BHOPA ROAD, MUZAFFARNAGAR	Municipality/Corporation	No
Ward No./Holding No.			N/A
Particular of the Ex	isting Well and Pumping Devi	ce	
Date of Construction/Sinking of the Well	15/01/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	125.00

Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For	Tube Well)		
Type of Pump Used	Submersible	H.P. of the Pump	62.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	180.00
Date of Energization (	In Case of Electric Pump)	22/01/2007	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	180.00	Maximum Allowable Running Hours Per Day:	12.00
Maximum Allowable A	nnual Extraction of Ground Water:		712800.00

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital
  water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record
  rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by
  the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from
  the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- . In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI.
   (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user.
   Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- · Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

 The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4° to 6°.

- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

0	Quantum of Ground water withdrawal	No.of piezometers required	Monitiring Mechanism	
S.No	(cum/day)		Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1		0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and
  assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for
  Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### · SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh, All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level
  monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing
  to draw more than 10 m<sup>3</sup> /day of ground water and. Monitoring of water level shall be done by the project proponent.
  The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production
  well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly
  water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises, Industries
  which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery,

pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring
  of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water
  Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for
  inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date: 19/04/2022

Place: Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



## UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website: www.uppcb.com

Ref. No: 18958/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated :27/12/2022

To.

M/s SILVERTOAN PAPERS LIMITED UNIT 2

9th Km, Bhopa Road, Muzaffarnagar, MUZAFFARNAGAR, 251001

Tehsil : Muzaffar Nagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- 1. Number of authorization and date of issue 18958 and 27/12/2022.
- 2 Reference of application (No. and date) 18715097 and 26/11/2022.
- 3. Mr AMIT GARG of M/s SILVERTOAN PAPERS LIMITED UNIT 2 is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 9TH K.M., BHOPA ROAD, MUZAFFARNAGAR.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULE I (USED OR SPENT OIL)	THROUGH TSDF	0.25 MT/ANNUM
2	CATEGORY 33.1 AS PER SCHEDULE I (EMPTY BARRELS/CONTAINERS /LINERS CONTAMINATED WITH HAZARDOUS CHEMICALS/WASTES)	THROUGH TSDF	2.0 MT/ANNUM
3	CATEGORY 33.2 AS PER SCHEDULE I (CONTAMINATED COTTON RAGS OR OTHER CLEANING MATERIALS)	THROUGH TSDF	0.10 MT/ANNUM
4	CATEGORY 34.2 AS PER SCHEDULE I (SLUDGE FROM TREATMENT OF WASTE WATER ARISING OUT OF CLEANING / DISPOSAL OF BARRELS / CONTAINERS)	THROUGH TSDF	1.0 MT/ANNUM

- The authorization shall be valid for a period of 26/12/2027 from the date of issue of this letter L
- The authorization is subject to the following general and specific conditions (please specify 2. any conditions that need to be imposed over and above general conditions, if any).

  ABHISHEK TRIPATHI

Date: 2023.01.1013:28:44 +05'30"

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous
  and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.

Date: 2023.01.10 13:20:55 +05'30'

- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be

sent within fifteen days of receipt of this letter.

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

ABHISHEK TRIPATHI Digitally signed by ABHISHEK TRIPATHI Date: 2023.01.10 13:21:16 +05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action.

ABHISHEK TRIPATHI TRIPATHI

CEO/EE, I/C Circle

## INDUSTRY INSPECTION REPORT (SUGAR)

	GENERAL INFORMATION	Date of Inspection: 17.01.2024
1.	Name of the unit with complete postal address	M/s Dhampur Bio Organics Ltd, Unit- Mansurpur, (formerly known as D.S.M. Sugar Mansurpur), Village - Khanupur, Muzaffarnagar, U.P
2.	Spatial Co-ordinates	Latitude: 29.354217; Longitude: 77.717549
3.	Operational Status	Operational
4.	Standalone/ integrated (with co- generation) Sugar/ sugar refinery	Refinery sugar with Co-generation
5.	Co-generation capacity, MW	27.7 MW
6.	Consented capacity of sugar Mill (TCD)	Crushing capacity – 7000 TCD Co-generation capacity – 27.7 MW
7.	Average actual crush rate (TCD)	Crushing season started on 03.11.2023 Operational days including previous date of visit: 75 days; Total cane crushed: 602620 Tons Average crush rate: 8034.93 TCD
8.	Consent status & its validity with date  a. Air Consent b. Water consent c. Hazardous Waste Authorization	<ul> <li>a. Valid upto 31.12.2024 (Annexure – I)</li> <li>b. Valid upto 31.12.2024 (Annexure – 2)</li> <li>c. Valid upto 23.12.2026 (Annexure – 3)</li> </ul>
9.	NOC from CGWA & its Validity with date	Valid upto 14.09.2026 (Annexure - 4)

### II. FRESH WATER CONSUMPTION

S. No.	TATGEDIATS						
10.	Sources of fresh water						
- 3	a. Bore well/Tube well/ Any other & its No	Bore well - 03 nos.					
	b. Flow meter Installation at wells (Yes/No	Yes					
	c. Reading of Flow Meter during visit		Borewell-1: 0.0 m <sup>3</sup> /hr; 388692 m <sup>3</sup> Borewell-2: 0.0 m <sup>3</sup> /hr; 335015.9 m <sup>3</sup> Borewell-3: 59.67 m <sup>3</sup> /hr; 304096.9 m				
	<ul> <li>d. Any Logbook maintained (Yes/No), if yes</li> </ul>	Yes, maintained for all three borewells					
	<ul> <li>Permitted ground water abstraction (KI NOC from UPGWD</li> </ul>	1400 KLD					
	f. Actual avg. daily ground water abstraction	537.85 KLD (03.11.2023 – 16.01.2024)					
	g. Piezometric well		02 with telemetry.				
11.	Fresh water consumption (KLD)						
	a. Sugar plant:						
	<ol> <li>Cleaning, washing and machinery cooling make-up</li> </ol>	eup – 35.04 KLD					
	ii. Spray pond/PCT make-up	oling tower makeup from ETP treated o freshwater use Cooling tower makeup from freshwater					

				NO SOUTH OF THE OWNER.		@ 2.56 KI	LD				
	Total Sugar unit (Utility Section)				37.60 KLD						
	b. Co-generation/Boiler section:										
	i. WTP -	DM plant	feed			364.87 KLD					
	ii. Cooling	g tower ma	ke-up			9.19 KLD					
	iii. Wet Scrubber make-up				Nil						
	iii. Any ot	her, such a	s ash qu	enching		No freshw for ash que	ater, only tr	eated eff	luent is	being	used
	Total	co-genera	tion un	it		374.05 KI	Assistant and the second				
	Total	Industria				411.65 KI	.D				
	c. Residenti	al etc.				127.21 KLD					
	d. Total fresi	h water C	onsump	tion (K	LD)	538.86 KI					
12.	d. Total fresh water Consumption (KLD)  Specific water consumption, L/t of cane					otal industr	ial consu	mption	51.23	ltr/to	
13,	Groundwat	er sample	analys	is resul	its:						
	Parameters	pH	Color	COD	TDS	Total Hardness	Total Alkalinity	Cr	sor	F	NO <sub>3</sub> -N
	Permissible limit as per BIS IS	6.5-8.5	15		2000	600	600	1000	400	1.5	45
	10500:2012			1.		1					
	The state of the s	7.8	BDL	BDL	318	219	233	17	13	0.32	BDI
	10500:2012	7.8 NOz-N	BDL Na*	BDL K*	318 Ca <sup>2+</sup>	219 Mg <sup>3+</sup>	233 PO <sub>4</sub> 3-	17 Cond.	13 As	0.32 Cd	BDL Co
	10500:2012 Results							the second second second		-	
	Results Parameters Permissible limit as per BIS IS	NOz-N	Na*	K*	Ca <sup>1+</sup>	Mg <sup>1+</sup>	PO <sub>4</sub> <sup>3-</sup>	Cond.	As 0.05	O.003	Co
	Results Parameters Permissible limit as per BIS IS 10500:2012	NO <sub>2</sub> -N	Na*	К*	Ca <sup>2+</sup>	Mg <sup>2+</sup>	PO <sub>4</sub> 3-	Cond.	As	Cd	Co -
	Results Parameters Permissible limit as per BIS IS 10500:2012 Results	NO2-N BDL	Na*	K* -	Ca <sup>2+</sup> 200	Mg <sup>3+</sup> 100	PO <sub>4</sub> 3-	Cond.	As 0.05	0.003 BDL	Co

### III. EFFLUENT MANAGEMENT SECTION

14.	Waste water (Effluent) generation (KLD	0)
	<ul> <li>a. Process cooling tower /spray pond over flow (for double sulphitation) (SRS Outlet)</li> </ul>	
	b. Mills, boiling house,	Mill house to ETP: 76.32 KLD Boiling house to ETP: 121.44 KLD
	c. Soda/Acid boiling water (Hazardous)	Stored separately in RCC hazardous storage tank and then sprayed on bagasse thereafter used as boiler feed fuel
	d. Co-generation	DM plant reject to ETP @ 86.65 KLD Co-gen cooling tower blowdown to ETP @ 17 KLD
	e. IER wash water generation.	Directly used in the massecuration section
	f. Brine reject from brine recovery system	Brine reject is sprayed on bagasse thereafter used as

	8	boile	er feed fu	el			
	<ul> <li>g. Reject acid after regeneration of IER column.</li> </ul>	Wast			feed to l	ETP @ 3	20,48 KLD
	h. Brine solution reject after regeneration. (for refine sugar)						
	<ul> <li>h. Total effluent generation:</li> <li>➤ All effluent streams are collected in pumped to ETP located outside the fa</li> <li>➤ Logbook of flow meter at ETP inlet KLD</li> </ul>	ctory are	ea @ 130	6 56 KL	0		
15.	Permitted quantity of discharge as per Consent to Operate	1244	KLD (Fe	or Reuse	in Proces	ss and Irr	igation)
16.							
17.	Specific effluent discharge, L/t of cane	79.	79 Ltr./to	n of cane	crushed		
18.	Treated effluent used from lagoon for i	rrigatio	n, KLD				
19.	Availability of Hazardous tank to colle generated during chemical/Mechanical	ct wash	wash water Yes: 01 RCC tank of canacity 37 m				
20.	evaporator tubes Condensate Polishing Unit (CPU)			led Cond	annata D	. United and	L'a (Cine to
20.	evaporator tubes  Condensate Polishing Unit (CPU)  For treatment of excess process condensa which consists of Multi Grade Filter (MG (RO) of capacity 14 m³/hr. Permeate from Shredder cooling tower and Cold water U type flowmeter installed at permeate from	te, unit l F) – Ac CPU is GR. Rej CPU w	ias instal tivated C used for ect is bei	arbon Fil makeup ng used shows i	ter (ACF in Co-ge for ash or	) – Reve n cooling genching	rse Osmosi g tower, Rotamete
20.	evaporator tubes  Condensate Polishing Unit (CPU)  For treatment of excess process condensa which consists of Multi Grade Filter (MG (RO) of capacity 14 m³/hr. Permeate from Shredder cooling tower and Cold water U type flowmeter installed at permeate from cumulative total daily treated/permeate via Details/Schematic diagram of ETP:  ETP of 1600 KLD capacity installed havi and scheme is as below:  Inlet – Oil & Grease removal chamb Equalization Tank (air mixing) – Price Aeration tank (Diffused aeration) – State of the Condensation of the Con	te, unit h F) – Ac n CPU is GR. Rej n CPU w due is no ng Physi er with a mary Cla fecondar	nas instal tivated C used for lect is bei hich only ot availab ico-Chem a skimmer arifier an	arbon Fil makeup ng used shows i de. nical, Bio r – Lime d Lamell er – Dua	ter (ACF in Co-ge for ash qu nstantano logical a Reaction la Clarifi I Media F	) - Reve in cooling neaching cous flow and Tertia in tank - er - Biol	rse Osmosi g tower, . Rotamete rate and ry treatment ogical (F) _
21.	evaporator tubes  Condensate Polishing Unit (CPU)  For treatment of excess process condensa which consists of Multi Grade Filter (MG (RO) of capacity 14 m³/hr. Permeate from Shredder cooling tower and Cold water U type flowmeter installed at permeate from cumulative total daily treated/permeate value Details/Schematic diagram of ETP:  ETP of 1600 KLD capacity installed havi and scheme is as below:  Inlet – Oil & Grease removal chamb Equalization Tank (air mixing) – Price Aeration tank (Diffused aeration) – & Activated Carbon Filter (ACF) – ET	te, unit le F) - Act CPU is GR. Rej CPU w due is no ng Physi er with a mary Cla fecondar P outlet	nas instal tivated C used for lect is bei hich only ot availab ico-Chem a skimmer arifier an	arbon Fil makeup ng used shows i de. nical, Bio r – Lime d Lamell er – Dua	ter (ACF in Co-ge for ash qu nstantano logical a Reaction la Clarifi I Media F	) - Reve in cooling neaching cous flow and Tertia in tank - er - Biol	rse Osmosi g tower, . Rotamete rate and ry treatment ogical (F) _
21.	evaporator tubes  Condensate Polishing Unit (CPU)  For treatment of excess process condensa which consists of Multi Grade Filter (MG (RO) of capacity 14 m³/hr. Permeate from Shredder cooling tower and Cold water U type flowmeter installed at permeate from cumulative total daily treated/permeate via Details/Schematic diagram of ETP:  ETP of 1600 KLD capacity installed havi and scheme is as below:  Inlet – Oil & Grease removal chamb Equalization Tank (air mixing) – Pri Aeration tank (Diffused aeration) – & Activated Carbon Filter (ACF) – ET ETP and lagoon sample analysis results	te, unit le F) - Act CPU is GR. Rej CPU w due is no ng Physi er with a mary Cla fecondar P outlet	nas instal tivated C used for lect is bei hich only ot availab ico-Chem a skimmer arifier an	arbon Fil makeup ng used shows i de. nical, Bio r – Lime d Lamell er – Dua	ter (ACF in Co-ge for ash qu nstantano logical a Reaction la Clarifi I Media F	) - Reve in cooling near thing cous flow and Tertia in tank - ier - Biol in the Channel	rse Osmosi g tower, . Rotamete rate and ry treatment ogical dF) –
21.	Condensate Polishing Unit (CPU)  For treatment of excess process condensa which consists of Multi Grade Filter (MG (RO) of capacity 14 m³/hr. Permeate from Shredder cooling tower and Cold water U type flowmeter installed at permeate from cumulative total daily treated/permeate valuable. ETP of 1600 KLD capacity installed havi and scheme is as below:  Inlet – Oil & Grease removal chamber Equalization Tank (air mixing) – Prinaeration tank (Diffused aeration) – Stativated Carbon Filter (ACF) – ETEP and lagoon sample analysis results Sample Location  Effluent flow rate (m³/hr.)  ETP inlet 78.24	te, unit le F) - Act CPU is GR. Rej CPU w due is no ng Physi er with a mary Cla fecondar P outlet	tivated C tivated C tivated for tect is bei hich only ot availab tico-Chem a skimmen arifier an ty Clarifie to lagoor	makeup ng used shows i de. nical, Bio r - Lime d Lamel er - Dua n and to i	ter (ACF in Co-ge for ash qu nstantane logical a Reaction la Clarifi I Media I rrigation	n cooling uenching cous flow and Tertia a tank – er – Biol Filter (DA channel	rse Osmosi g tower, . Rotamete rate and ry treatment ogical MF) –
21.	Condensate Polishing Unit (CPU) For treatment of excess process condensa which consists of Multi Grade Filter (MG (RO) of capacity 14 m³/hr. Permeate from Shredder cooling tower and Cold water U type flowmeter installed at permeate from cumulative total daily treated/permeate via Details/Schematic diagram of ETP: ETP of 1600 KLD capacity installed havi and scheme is as below:  Inlet – Oil & Grease removal chambe Equalization Tank (air mixing) – Price Aeration tank (Diffused aeration) – & Activated Carbon Filter (ACF) – ET ETP and lagoon sample analysis results Sample Location  Effluent flow rate (m³/hr.)  ETP Inlet 78.24 ETP Outlet 55.5	te, unit le F) - Ac i CPU is GR. Rej i CPU w due is no ng Physi er with a mary Cla fecondar P outlet	tivated Control in the control in th	arbon Fil makeup ng used y shows i olc. nical, Bio r – Lime of Lamell er – Dua n and to i BOD (mg/L)	ter (ACF in Co-ge for ash quantantantantantantantantantantantantanta	n - Reve in cooling nenching cous flow and Tertia in tank - ier - Biol filter (DA channel (mg/L)	rse Osmosi s tower, . Rotamete rate and ry treatment ogical AF) -
21.	Condensate Polishing Unit (CPU) For treatment of excess process condensa which consists of Multi Grade Filter (MG (RO) of capacity 14 m³/hr. Permeate from Shredder cooling tower and Cold water U type flowmeter installed at permeate from cumulative total daily treated/permeate via Details/Schematic diagram of ETP: ETP of 1600 KLD capacity installed having and scheme is as below:  Inlet – Oil & Grease removal chambe Equalization Tank (air mixing) – Price Aeration tank (Diffused aeration) – Stativated Carbon Filter (ACF) – ET ETP and lagoon sample analysis results Sample Location  Effluent flow rate (m³/hr.) ETP Inlet 78.24 ETP Outlet 55.5 Acration tank	te, unit le F) - Act CPU is GR. Rej CPU w due is no ng Physi er with a mary Cla lecondar P outlet H 4.4 7.3	tivated C sused for ect is bei hich only of available co-Chem a skimmer arifier and to lagoor (mg/L)    COD (mg/L)   3132   83   347 mg/l;	arbon Fil makeup ng used y shows i alc. nical, Bio r – Lime d Lamel. er – Dua n and to i BOD (mg/L) 1238 18 MLVSS	ter (ACF in Co-ge for ash quantantantantantantantantantantantantanta	n Cooling nenching cous flow nd Tertia n tank — er — Biol filter (DA channel  TDS (mg/L) 1116 612	rse Osmosi g tower, . Rotamete rate and ry treatment ogical dF) –
	Condensate Polishing Unit (CPU) For treatment of excess process condensa which consists of Multi Grade Filter (MG (RO) of capacity 14 m³/hr. Permeate from Shredder cooling tower and Cold water U type flowmeter installed at permeate from cumulative total daily treated/permeate value and scheme is as below:  Inlet – Oil & Grease removal chambe Equalization Tank (air mixing) – Price Activated Carbon Filter (ACF) – ET  ETP and lagoon sample analysis results Sample Location  Efficient flow rate (m³/hr.)  ETP Inlet 78.24  ETP Outlet 55.5	te, unit le F) - Act CPU is GR. Rej CPU w due is no ng Physi er with a mary Cla lecondar P outlet H 4.4 7.3	tivated C sused for ect is bei hich only of available co-Chem a skimmer arifier and to lagoor (mg/L)    COD (mg/L)   3132   83   347 mg/l;	arbon Fil makeup ng used y shows i alc. nical, Bio r – Lime ad Lamela er – Dua n and to i BOD (mg/L)	ter (ACF in Co-ge for ash quantantantantantantantantantantantantanta	n Cooling nenching cous flow nd Tertia n tank — er — Biol filter (DA channel  TDS (mg/L) 1116 612	rse Osmosi s tower, . Rotamete rate and ry treatment ogical AF) -

24.	Recipient Drain's Analysis Report- Sample collected from nearby recipient drain,  Upstream of the unit:							
	pН	BOD	COD	Nitrate	0.161			
	7.5	56	217.6	ND	Sulfide 0.55			
	TSS	TDS	Sulphate	Phosphate	Colour			
	118	874	38.878	1.073	60			
	Downstream of the	BOD	COD	Nitrate	Sulfida			
	6.46	192	-	Nitrate	Sulfide			
	TSS	TDS	816	0.541	0.35			
	168	1108	Sulphate 152.89	Phosphate 1.098	Colour 80			
	2800 000 2000 2000	in mg/l except pH & coloui	r (Hazen)					
75	ND- Not detected							
25.	ND- Not detected  Storage of treate	ed effluent – 01 imper		capacity 10,000 m <sup>3</sup>				
26.	ND- Not detected  Storage of treate Sludge handling Decanter has been	ed effluent – 01 imper mechanism: n installed for mechan	rmeable lagoon of	raw sludge and the	lewatered sludge is			
26.	Storage of treate Sludge handling Decanter has been mixed with Press	ed effluent – 01 imper mechanism:	rmeable lagoon of tical dewatering of rovided to local fa	raw sludge and the c rmers for use as man Oil & grease – Stor	ure. red on site in drums			
0000100	Storage of treate Sludge handling Decanter has been mixed with Press Hazardous Subs Details of irrigat Unit has agreeme of 180 hectares. A	ed effluent – 01 imper mechanism: n installed for mechan mud & Fly ash and p	rmeable lagoon of tical dewatering of rovided to local fa way of Disposal) I effluent used quers for use of treate logbook data pro-	raw sludge and the comers for use as man Oil & grease – Stor and provided to TS antity:	ed on site in drums DF			

# IV. AIR POLLUTION CONTROL, FUEL CONSUMPTION AND ASH HANDLING

30.	Details of Air Pollution Control System and stack monitoring results:								
	Source	Device (APCD) installed h		k ht	Particulate Matter (PM) (mg/Nm <sup>3</sup> )	Standard (mg/Nm³)	Compliance status		
31.	Boiler 90 TPH	Electro Static Precipitator	60 m	1	38.2	80	Complying		
	Boiler 100 TPH	Electro Static Precipitator	60 m	1	36.8	80	Complying		
	Avg. daily bagasse consumption as boiler fuel Estimated value of ash generation @ 2.5% of				55. / INT during	03.11.2023	-16.01.202		
	Avg. daily bagas Estimated value	se consumption as boiler f of ash generation @ 2.5%	uel	1558.	13 MT/day I/day	(03.11.2023	- 16.01.202		
	Avg. daily bagas Estimated value bagasse consump	provided by unit se consumption as boiler f of ash generation @ 2.5% ption of ash disposal as per d	uel :	1558. 39 MT	13 MT/day				
	Avg. daily bagas Estimated value bagasse consump Total Quantity provided by unit	provided by unit se consumption as boiler f of ash generation @ 2.5% ption of ash disposal as per d	uel of :	1558. 39 M7 3049.	13 MT/day T/day				

1.46 MT/day) and Press mud and then provided to farmers for use as manure.

### V. OBSERVATIONS

- 1. Unit and ETP was found operational during visit.
- A sample was collected from common collection pit and analysis results show pH 3.9; BOD 1556 mg/l; COD 6568 mg/l; TSS 155 mg/l and TDS 5770 mg/l.
- Flow meter has also been installed at ETP inlet line and logbook data shows avg. daily quantity of
  effluent feed to ETP is 1306.56 KLD which indicates that entire quantity of effluent pumped from
  collection pit (within plant premises) is fed into ETP.
- 4. Analysis results of samples collected from ETP Outlet show pH 7.3 (against the notified norm of 5.5 8.5); BOD 18 mg/l (against the notified norm of 100 mg/l for land disposal); COD 83 mg/l (against the norm of 250 mg/l); TSS 40 (against the notified norm of 100 mg/l for land disposal); TDS 612 mg/l (against the notified norm of 2100 mg/l) and Oil & Grease BDL (against the notified norm of 10 mg/l). These results indicate compliance with the stipulated discharge norms.
- 5. Analysis results of sample collected from lagoon show pH 7.8 (against the notified norm of 5.5 8.5); BOD 16 mg/l (against the notified norm of 100 mg/l for land disposal); COD 74 mg/l (against the norm of 250 mg/l); TSS 17 mg/l (against the notified norm of 100 mg/l for land disposal); TDS 628 mg/l (against the notified norm of 2100 mg/l). These results indicate compliance with the stipulated discharge norms.
- 6. Unit has also installed STP (120 KLD capacity) for treatment of sewage and treated sewage is used for gardening within premises. Analysis results of sample collected from STP Outlet show pH 7,4 (against the notified norm of 6.5 8.5); BOD 04 mg/l (against the consented norm of 30 mg/l); COD 26 mg/l (against the consented norm of 250 mg/l); TSS 14 mg/l (against the consented norm of 100 mg/l). These results indicate compliance with the stipulated discharge norms.
- Effluent generated from Tube cleaning is stored in a separate Hazardous tank and sprayed on hagasse which is further used as boiler feed fuel. Sample collected from this tank show pH - 11.6; COD - 20260 mg/l; BOD - 7034 mg/l; TSS - 2521 mg/l and TDS - 30964 mg/l.
- Significant increase in BOD (56 mg/L to 192 mg/L), COD (217.6 mg/L to 816 mg/L) and Sulphate (38.87 mg/L to 152.89 mg/L) in drain at downstream as compared to upstream of the Unit indicates industrial contribution.

Overall Compliance status: Complying

### VI. RECOMMENDATIONS

- Unit shall install flow meter with totalizer at fire hydrant line carrying treated effluent from ETP.
- 2. Unit shall install flow meter with totalizer at Inlet and Outlet of CPU.

## INSPECTION TEAM:

S. No.	Name of officials	Designation	Organisation	Signature with date
1.	Dr. R.K. Singh	Scientist - D	СРСВ	DWIN
2.	Sh. Imran Ali	AEE	UPPCB	Ogra
3.	Mr. Ashish Kumar	Hydrologist	UPGWD	(M)>-
4.	Mr. Ankit Shukla	SRF	СРСВ	Antoja
5.	Mr. Maneesh Yadav	JRF	UPPCB	Dingagen o

### PHOTOGRAPHS:









### U.P. Pollution Control Board

# CONSENT ORDER

71385/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNA GAR/2019

Dated: 25/02/2020

To.

Shri ARVIND KUMAR DIXIT M/s DSM SUGAR MANSURPUR

DSM Sugar Mansurpur, Tehseel - Khatauli, District - Muzaffarnagar(U.P), MUZAFFAR

NAGAR, 251203

MUZAFFARNAGAR

Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) Sub: to M/s. DSM SUGAR MANSURPUR

Reference Application No. 6362994

Dated: 25/02/2020

- With reference to the application for consent for emission of air pollutants from the plant of M/s 1. DSM SUGAR MANSURPUR, under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions .
- This consent is valid for the period from 01/01/2020 to 31/12/2024. 2
- Inspite of the conditions and provisions mentioned in this consent order UP Pollution Control Board 3. reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Previntion and Controt of Pollution) Act, 1981 as amended.

This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Chauhan

eshan ke 363000 3511 5931 405 W

CEO

C-3.

Enclosed: As above (condition of consent):

Regional Officer, U.P. Pollution Control Board, Muzaffamagar. Copy to:

Nishi Kumar Digitally signed by Main Chauhan

12:00:62 +05:30

CEO

C-3.

# U.P. Pollution Control Board

Dated: 25/02/2020

### CONDITIONS OF CONSENT

- This consent is valid for the approved production capacity of cane crushing Sugar Cane-7000 TCD.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior
  approval before making any modification in product/ process /fuel/ plant machinery failing which
  consent would be deemed void.
- 3(a) The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.

3(b). Air Pollution Source Details.

		Air Pollution S	Source Details		
S.No	Air Polution Source	Type of Fuel	Stack No.	Parameters	Height
1	90 TPH Boiler	Bagasse	1	Particulate Matter	60 Meter From Ground Level
2	100 TPH Boiler	Bagasse	1	Particulate Matter	60 Meter From Ground Level
3	1000 KVA DG Set	Diesel	1	Sulphur Dioxide	As per EPA Rules 1986
4	500 KVA DG Set	Diesel	1	Sulphur Dioxide	As per EPA Rules 1986

3(c) The emissions by various stacks into the environment should be as per the norms of the Board.

	Emission Qu	ality Details Detail	
S.No	Stack No	Parameter	Standard
1	1	Particulate Matter	As per EPA Rule: 1986
2	1	Particulate Matter	As per EPA Rules 1986
3	1	Sulphur Dioxide	As per EPA Rules 1986
4	1	Sulphur Dioxide	As per EPA Rules 1986

- 4. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. is disposed in eco friendly manner.
- Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- The industry should ensure the operation of the air pollution control system (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- The industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P. Rules 1986.
- 8. The industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.
- The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.

- 11. The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB.
- 12. The unit shall submit audited balance sheet for the current year and the details of fees deposited during last three years within a month failing which consent would be deemed void.
- 13. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order.
- 14. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 15. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- Minimum 33% of the land on which industry is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www. uppcb. com/pdf/Green-Belt-Guidle 160218.pdf.
- 17. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
- 18. Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.

Specific Conditions:

1. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. is disposed in eco friendly manner.

2. Any source of emission other than that mentioned in the Air consent seeking application will not

be permitted by the Board.

3. The industry should follow the directions issued by the Ministry of Environment Forest and Climate Change, Delhi vide Notification no. GSR 35(E) dated 14/01/2016.

4. The industry should ensure the operation of the air pollution control system (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as

5. The industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P Rules 1986.

This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/ process /fuel/ plant machinery failing which consent would be deemed void.

7. The industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.

8. Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.

9. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.

10. The unit shall submit the point wise compliance report of the previous CTO issued by the Board and the audited balance sheet for the current year and the details of fees deposited during last three

years within a month failing which consent would be deemed void.

11. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order.

12. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.

13. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.

14. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).

15. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

Issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board . Nishi Kumar

Chauhan

Chausan Dani 2000 suusi (2003 v655)/

CEO C-3.



#### U.P. Pollution Control Board

Amnenyor - 2

#### CONSENT ORDER

Ref No. -71391/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/ water/MUZAFFARNAGAR/2019

Dated: 25/02/2020

To.

Shri ARVIND KUMAR DIXIT M/s DSM SUGAR MANSURPUR

DSM Sugar Mansurpur, Tehseel - Khatauli, District - Muzaffarnagar(U.P), MUZAFFAR

NAGAR,251203

MUZAFFARNAGAR

Sub: Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974 (as amended) for discharge of effluent to M/s. DSM SUGAR MANSURPUR

Reference Application No :6363454

Dated: 25/02/2020

- For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act, 1974 as amended (here in after referred as the act) M/s. DSM SUGAR MANSURPUR is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure, in refrence to their foresaid application.
- This consent is valid for the period from 01/01/2020 to 31/12/2024.
- In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended.

This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Nishi Kumar Chauhan

Elvinium Elvin 2000/02/28 11:58:31 +07307

CEO

C-3.

Enclosed: As above (condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Muzaffamagar.

Nishi Kumar Chauhan Digitally signed by Mishi Fueuer Chauhan Date: 2020,0225 11:56:51 +05'37

CEO

C-3.

# U.P. POLLUTION CONTROL BOARD, LUCKNOW

# Annexure to Consent issued to M/s.DSM SUGAR MANSURPUR vide

Consent Order No. 6363454/ Water

Dated: 25/02/2020

### CONDITIONS OF CONSENT

- This consent is valid for the approved production capacity of Sugar Cane-7000 TCD.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior
  approval before making any modification in product/ process /fuel/ plant machinery failing which
  consent would be deemed void.

The quantity of maximum daily effluent discharge should not be more than the following:

+	Effluent Disc	charge Details	
S.Ne	Kind of Effulant	Maximum daily discharge,KL/day	Treatment facility and discharge point
 1	Domestic	100 KLD	Septic Tank
2	Industrial	1244 KLD	ETP

- 4. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain.
- 4(a) The domestic effluent should be treated in the treatment plant so that it should be in conformity with the norms of treated effluent as stipulated in E.P. Rules 1986 as amended.

	Domestic Effulant	
S.No	Parameter	Standard
-1	Total Suspended Solids	As per EPA Rules 1986
2	BOD	As per EPA Rules 1986
3	COD	As per EPA Rules 1986
4	Oil & Grease	As per EPA Rules 1986
5	Quantity of Discharge	100 KLD

4(b) The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the standard lay down under the notification issued by MOEF&CC vide its GO no GSR 35 (E) dated 14/01/2016.

	Industrial Effulant	
S.No	Parameter	Standard
1	Total Suspended Solids	As per EPA Rules 1986
2	BOD	As per EPA Rules 1986
3	COD	As per EPA Rules 1986
4	Oil & Grease	As per EPA Rules 1986
5	Quantity of Discharge	1244 KLD (For Reuse in Process and Irrigation)

4(c) Loading Rates for different soil textures.

Soil Texture	Loading rate in m3/Ha/Day
	Soil Texture

 Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Rules, 1986 or otherwise mandatory.

- The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/ standards prescribed under the Environment (Protection) Act, 1986.
- The industry shall establish the cooling arrangement and polishing tank for recycling the excess condensate water to process or utilities or allied units.
- Effluent Treatment Plant to be stabilized one month prior to the start of the crushing season and continue to operate one month after the crushing season.
- During no demand period for irrigation, the treated effluent to be stored in a seepage proof lined pond having 15 days holding capacity only.
- The industry shall implement treated effluent flow distribution measurement for irrigation purposes completely in accordance with irrigation plan.
- The impact of treated effluent application on land is to be included further in E.I.A. studies, involving ground water monitoring point identified in close proximity to the unit.
- The industry will have to ensure compliance of the permission from the CGWA before ground water extraction and it will be the responsibility of the industry to comply with the various conditions of the permission taken.
- The industry shall submit Environmental Statement in prescribed form V rule no.14 of E.P Rules 1986.
- The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- Minimum 33% of the land on which unit is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.
- The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB.
- 17. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized. The unit will ensure facility to transmit data to CPCB server and submit a regular calibration certificate of Electro Magnetic Flow meter to the Board.
- 18. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
- Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.

Specific Conditions:

1. The industry shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant

2. The E.T.P. unit operation line up Strengthening is to be maintained.

- 3. The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB
- 4. The industry should ensure the operation of the ETP in such a manner that it confirm the standards lay down under the notification issued by MOEF&CC vide its GO no GSR 35 (E) dated 14/01/2016.

5. The industry shall establish the cooling arrangement and polishing tank for recycling the excess condensate water to process or utilities or allied units.

6. Effluent Treatment Plant to be stabilized one month prior to the start of the crushing season and continue to operate one month after the crushing season.

7. During no demand period for irrigation, the treated effluent to be stored in a seepage proof lined

pond having 15 days holding capacity only.

8. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.

9. The newly provided treated effluent storage tank with 15 days holding capacity shall be connected to E.T.P. unit operations & integrated with tertiary treatment stage.

10. The industry shall ensure deployment of qualified to step up self monitoring mechanism on 24

Hours basis.

11. The industry shall implement treated effluent flow distribution measurement for irrigation purposes completely in accordance with irrigation plan.

12. The impact of treated effluent application on land is to be included further in E.I.A. studies,

involving ground water monitoring point identified in close proximity to the unit.

13. The industry will have to ensure permission from the CGWA before ground water extraction and it will be the responsibility of the industry to comply with the various conditions of the permission

14. E.I.A. studies shall include comprehensive study of water & waste water balance in Addition to the adequacy studies of E.T.P. relating to pollution load reduction impacts after implementation of treatment technology & discharge of treated effluent completely for irrigation purposes in place of discharge on surface water body.

15. The industry shall deploy self monitoring task force to strictly observe & monitor treated effluent

discharge restriction on surface water body located in its proximity.

16. The industry shall also explore treated effluent re-cycle mechanism in furtherance to the application of treated effluent on land as a significant alternative mode of re-cycle. This step shall in turn reduce hydraulic loading of effluent discharge as well as shall eliminate extraneous treated effluent discharge possibility elsewhere.

17. The unit shall submit the point wise compliance report of the previous CTO issued by the Board and the audited balance sheet for the current year and the details of fees deposited during last three

years within a month failing which consent would be deemed void.

18. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands

automatically suspended for that period.

- The industry shall submit Environmental Statement in prescribed form V rule no.14 of E.P Rules
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/fuel/ plant machinery failing which consent would be deemed void.

 The industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control

Board for protection and safe guard of environment from time to time.

 The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.

23. The show cause notice issued by the Board Headquarters to the industry vide letter No-H 24300/C-3/water-315/MZR/Show Cause/ 2018 dated-03.08.2018 is revoked.

24. Minimum 33% of the land on which unit is established will be covered and maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

25. Industry shall install at sufficient height from the ground level Open to Network HD PTZ rotation Camera at the Inlet, Aeration tank, Secondary Clarifier and outlet of Effluent treatment plants for On Line Monitoring and its URL and password shall be provided to the UPPCB control

room.

 The industry shall install Condensate Polishing Unit for boilers as recommended in ETP validation report of M/s National Sugar Institute, Kanpur submitted by the industry. 27. The capacity of the sludge drying beds is inadequate. The industry shall install mechanical sludge handling system as recommended in ETP validation report of M/s National Sugar Institute, Kanpur submitted by the industry.

Issued with the permission of competent authority .

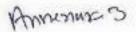
For and on behalf of U.P. Pollution Control Board .

Chauhan

Digitally regred by Nobil Bureau Chaudien Dete: 3028.00.75 th Shipt vaccor

CEO

C-3.





# UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website: www.uppcb.com

Ref. No: 15581/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2021

Dated:07/01/2022

To,

M/s DSM SUGAR MANSURPUR

DSM SUGAR MANSURPUR VILLAGE KHANUPUR ,MUZAFFAR NAGAR,251203

Tehsil:Khatauli

District :MUZAFFARNAGAR

Sub: - Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 15581 and 07/01/2022.
- Reference of application (No. and date) 14005051 and 19/11/2021.
- Mr PAWAN KUMAR SHARMA of M/s DSM SUGAR MANSURPUR is hereby granted an
  authorization based on the enclosed signed inspection report for generation, collection,
  utilization, storage and disposal or any other use of hazardous or other wastes or both on the
  premises situated at DSM SUGAR MANSURPUR VILLAGE KHANUPUR, MUZAFFAR
  NAG.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule I, Cat. 5.1 Used or Spent Oil	TROUGH TSDF	0.8 MT/Annum
2	Schedule I, Cat. 5.2 Wastes or Residues Containing Oil	TROUGH TSDF	0.2 MT/Annum

- The authorization shall be valid for a period of 23/12/2026 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous
  and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.

- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

# B Specific Conditions of Authorization

- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 4. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.

- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter.
   You should also maintain records on Form-3 and present it to Board's inspecting officials.
- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 7. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 8. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 9. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 10. Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 11. It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 12. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 13. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 14. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 15. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.

- 16. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 17. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 18. Ground water monitoring report of premises shall be submitted within one month.
- 19. Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

(Authorized Signatory)

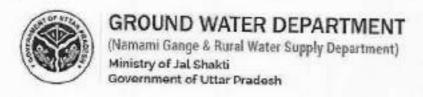
RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022.02.12 22:10:59+05'30' UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Muzaffarnagar to ensure the compliance of the conditions imposed in the certificate for information and necessary action .

RAKESH KUMAR TYAGI

Date: 2022.02.12.22:11:12+0530'

CEO/EE, I/C Circle



### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

VALID UP TO: 14/09/2026

Registration No.: 202108000	0293		
Name of the Owner	PAWAN KUMAR SHARMA		
Address of the Applicant	Village-Khanpur, Block-Khatauli, District-Muzzafarnagar	Application Form Serial No.	M2FN0821RIN0042
Date of Submission	10/08/2021	Specimen Signature	
Company Name	DSM Sugar Mensurpur (A Unit of Dhampur Sugar Mills	Company Address	Village Khanupur, Block: Khatauli, District: Muza
Location Particulars			
District	Muzaffar Nager	Block	KHATAULI
Plot No./Khasra No.	Existing premises khasra detail attached	Municipality/Corporation	No
Ward No./Holding No.			NA.
Particular of the Existing Wel	ll and Pumping Device		
Date of Construction/Sinking of the Well	01/04/2004		
Type of Well	Tube Well/Boring	Depth of the Well (in motor)	60.00
urpose of well	Industrial	Assembly Size(For Tube Well)	
trainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	45,00
Operational Device	Electric Motor	Rate of Withdrawal (m3/hr.)	100.00
ate of Energization (In Case of Ele	ectric Pump)	01/04/2004	
Assimum Allowable Rate of Vithdrawal (m3/hr.):	100.00	Maximum Allowable Running Hours Per Day:	4.00
faximum Allowable Annual Extrac	tion of Ground Water:		72000
eason for renewal of N.O.C. न.ओ.सी. के नवीनीकरण का कारण	Industry Submitted Application On 3 with CGWA.	00 Mar 2020 due to NGT order & further as pe	r State Guidelines it is pendi
gainst Case			
This No Chiantes and Carlo			

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI, (3) for extraction of ground water at a rate not exceeding that as shown at SI, (3), for running hours I day as shown at SI, (3k), and for maximum allowable annual extraction of ground water as shown at SI, (3k) and is valid subject to the observance of the conditions stated overleaf.

Conditions

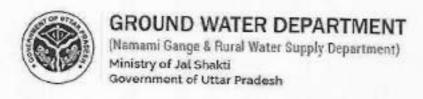
- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  suthorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  meters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction,
  at outlet of pumping devices and it shall be presumed that the quantity recorded by the mater has been extracted by the said user, until the
  contrary is proved. The rate of extraction of ground water from the wall as shown in item 3(k) shall not exceed to the recorded rate from
  water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this
  pertificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of three years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone
  tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be
  made available to this office on monthly basis.
- · (10) Guidelines for Installation of Piezometers and their Monitoring
- Plezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment, it is also used to take water sample for water quality testing whenever needed. General guidelines for installation of piezometers are as follows for compliance of NOC:
- The prezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 5".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one
  piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper
  ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Mo	nitiring Mechanism
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	rio.or presonnete o requireu	Manual	DWLR with Telemetry
1	<10	0	0	0
2	11 - 50	1	1	0
3	50-500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in prezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piczometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt. capacity bottle) to the concerned Director, Ground
  Water Department, Utter Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care off.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- f) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.

- i) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3/day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, posticides/ insecticides, fertilizers, slaughter house,
  explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated, untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (8) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering
  discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring
  records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
  Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toilet flushing, car washing, gardening stc.

This certificate is electronically generated and does not require digital signature



### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

VALID UP TO: 14/09/2026

Registration No.: 202108000	1301		
Name of the Owner	PAWAN KUMAR SHARMA		
Address of the Applicant	Village-Khanpur, Block-Khatauli, District-Muzzafamagar	Application Form Serial No.	MZFN0821RIN0043
Date of Submission	10/08/2021	Specimon Signature	
Company Name	DSM Sugar Mansurpur (A Unit of Ohampur Sugar Mills	Company Address	Village: Kharupur,Block: Khatauli, District: Muzaf
ocation Particulars			
District	Muzaffar Nagar	Block	KHATAULI
lot No./Khasra No.	Existing land details attached,	Muntelpality/Corporation	No
Vard No./Holding No.			NA
Particular of the Existing Wel	and Pumping Device		
late of Construction/Sinking of he Well	01/04/2004		
ype of Well	Tube Well/Boring	Depth of the Well (In meter)	60.90
urpose of well	Industrial	Assembly Size(For Tube Well)	
trainer Position (For Tube Well)			
ype of Pump Used	Submersible	H.P. of the Pump	45.00
perational Device	Electric Motor	Rate of Withdrawol (m3/hr.)	100.00
ate of Energization (In Case of Ele	ectric Pump)	01/04/2004	
faximum Allowable Rate of fithdrawal (m3/hr.):	100.00	Maximum Allowable Running Hours Per Day:	4.00
faximum Allowable Annual Extrac	tion of Ground Water:		72000
eason for renewal of N.O.C. न.ओ.सी. के नतीनीकरण का कारण	Industry Submitted Application On Swith CGWA,	30 Mar 2020 due to NGT order & further as pe	r State Guidelines it is pendin
gainst Case			
rate not exceeding that as shown	n at St. [2]), for running hours I day as a	k a well in the location specified at SL (3) for a shown at SL (3k), and for maximum allowable to the observance of the conditions stated over	annual extraction of ground

water as shown at Sl. (3k) and is valid subject to the observance of the conditions stated overleaf.

Conditions

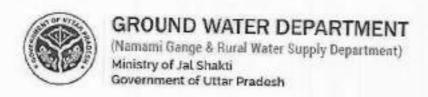
- (1) in case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of three years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone
  tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be
  made available to this office on monthly basis.
- · (10) Guidelines for Installation of Piezometers and their Monitoring
- Plezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation of piezometers are as follows for compliance of NOC:
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one
  piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper
  ground water aquifer monitoring.
- No. of pigzometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No.	Quantum of Ground water withdrawal (cum/day)	No. of plezometers required	Ma	nitiring Mechanism
	1,111	rivior prezonetals regured	Manual	DWLR with Telemetry
1	<10	0	0	0
2	11 - 50	Í	1	0
3	50-500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and occuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in prezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt. capacity bottle) to the concerned firector, Ground
  Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care off.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.

- I) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- II) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3/day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house,
  explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dys, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to Undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

This certificate is electronically generated and does not require digital signature



# Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER) VALID UP TO: 14/09/2026

A CONTRACTOR OF STREET			
Name of the Owner	PAWAN KUMAR SHARMA		
Address of the Applicant	Village-Khanpur, Block-Khatauli, District-Muzzafarnagar	Application Form Serial No.	MZFN0921RIN0058
Date of Submission	11/09/2021	Specimen Signature	
Company Name	DSM Sugar Mansurpur (A Unit of Dhampur Sugar Mills	Company Address	Village: Khanupur,Block Khatauli, District: Muzel
ocation Particulars			
District	Muzaffar Nagar	Block	KHATAULI
Plot No./Khasra No.	Existing Land details attached	Municipality/Corporation	No
Nard No./Holding No.			NA
Particular of the Existing We	di and Pumping Device		
ate of Construction/Sinking of	01/04/2006		
he Well	V 07 100 04 04 04		
he Welf	Tube Well/Boring	Depth of the Woll (In meter)	60.00
he Well ypa of Well	177.5	Depth of the Well (In meter) Assembly Size(For Tube Well)	60.00
	Tube Well/Boring		60.00
he Well 'ype of Well 'urpose of well	Tube Well/Boring		60.00
he Well  ype of Well  urpose of well  strainer Position (For Tube Well)	Tube Well/Boring	Assembly Size(For Tube Well)	
he Well  ype of Well  urpose of well  trainer Position (For Tube Well)  ype of Pump Used	Tube Well/Boring Industrial Submersible Electric Motor	Assembly Size(For Tube Well)  H.P. of the Pump	60.00
he Well  ype of Well  turpase of well  trainer Position (For Tube Well)  ype of Pump Used  perational Device	Tube Well/Boring Industrial Submersible Electric Motor	Assembly Size(For Tube Well)  H.P. of the Pump  Rate of Withdrawal (m3/hr.)	60.00
he Well  ype of Well  trainer Position (For Tube Well)  ype of Pump Used  perational Device  ate of Energization (In Case of El  laximum Allowable Rate of  lithdrawal (m3/hr.):	Tube Well/Boring Industrial Submersible Electric Motor Sectric Pump)	Assembly Size(For Tube Well)  H.P. of the Pump  Rate of Withdrawal (m3/hr.)  01/04/2004  Maximum Allowable Running Hours Per	60.00
he Well  ype of Well  turpose of well  trainer Position (For Tube Well)  ype of Pump Used  perational Device  rate of Energization (In Case of El  takimum Allowable Rate of	Tube Well/Boring Industrial Submersible Electric Motor Sectric Pump) 200.00	Assembly Size(For Tube Well)  H.P. of the Pump  Rate of Withdrawal (m3/hr.)  01/04/2004  Maximum Allowable Running Hours Per	60.00 200.00 3.00 115200

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SL (3) for extraction of ground water at a rate not exceeding that as shown at SI. (3)), for running hours I day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  meters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction,
  at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the
  contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from
  water meters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of three years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (2) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone
  tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be
  made available to this office on monthly basis.
- · (10) Guidelines for Installation of Plesometers and their Monitoring
- Piezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation of piezometers are as follows for compliance of NOC.
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one
  piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper
  ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

5.No	Quantum of Ground water withdrawal (cum/day)	d water withdrawal (cum/day) No.of piezometers required		nitiring Mechanism
		rissar preconicio s requied	Manual	DWLR with Telemetry
1	<10	0	0	0
2	11 - 50	1	1	0
3	50-500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab: Besides, one sample (1 lt. capacity bottle) to the concerned Director Ground
  Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care off.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.

- I) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3/day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises, industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house,
  explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washenes, other hazardous units etc. (as per CPOB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow moter) and submit the data online to Ground Water Department, UP as applicable, Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

This certificate is electronically generated and does not require digital signature

# INDUSTRY INSPECTION REPORT (PULP & PAPER)

### A. General section

Date of inspection: 12.01.2024

	the second secon	
1.	Name of the unit with complete postal address:	Parijat Paper Mills ltd. 10.6 KM stone, Bhopa Road, Muzaffarnagar, Muzaffarnagar UP
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.46898699,77.807937
3.		Operational
4.	Consent status	CCA dated 31.07.2023 and no:187907/UPPCB/MNAGAR/CTO/BOTH/MUZAFFARNAG available with validity till 31.12.2025 Attached at Annexure I

B. Production process and infrastructure

5.	Process	Manufacturing of Kraft paper using both recycled fiber waste paper) mixed type (imported/ indigenous) as per availability				
6.	Raw material					
	a. Consented value	175 MT/D				
	b. Actual consumption (as per logbook)	9,870 MT (from Nov 2023 to 10 Jan 2024)				
	c. Estimated daily consumption	141 MT/day				
7.						
	a. Consented value	150 MT/D				
	b. Actual Production (as per logbook)	8475.5 MT (from Nov 2023 to 10 Jan 2024)				
	c. Estimated daily production	121 MT/day				
	d. Yield (%)	85 % of raw material				
	e. Estimated waste produce	15 % of raw material i.e. 20 MT/D				
8.	Fresh water consumption					
	NOC from CGWA/other authorized body	UPGWB NOC available with validity till 05.06.2025				
	b. Details of borewell	Two borewells with sealed flow meter found installed				
3	c. Permitted withdrawal quantity	750 KLD				
	d. Actual withdrawal quantity	6526 KL (as per logbook of December,23)				
	e. Estimated daily withdrawal quantity	210.5 KLD				
- 3	f. Specific fresh water consumption	1.74 KL/MT of paper				

	Indian 2012.	Standard (8)	<b>lysis Report-</b> IS) Drinking Wa	quality of Gi ater — Speci	fication (	eris o Second	i Revisio	n) IS 105	eau of 00:
		Sample location: Borewood Depth: 180 ft.		ell 1 Para	meters	рН	COD	TDS	
					missible imit→	6,5- 8.5		2000	
			Sai	mple→	7.7	BDL	376		
	*all value	s are in mg/l	ovent nu						
9.	Effluent	Managemen	t						
200									
	a. Consented discharge value     b. Actual effluent generation		ZLD unit w	ith no ou	tside o	fischarge	0		
		logbook)	acion	93595 KL	in Dec 20	23			
		ted effluent g	eneration	3019.2 KU	D				
		recycling of tr process	eated effluent	Partially to (Primary/	Sedicell)		2,961.8	8 KLD	
				Treated effluent (ETP No data available unavailability or meter at outlet		bility of f			
			Total recycled 2,961.88 KLD						
	e. Losses in ETP %		2 % against typical 2-3 % in form of moisture in					ire in	
	f. Specific effluent discharge		generated sludge Nil						
10.		ion of ZLD	101 90	144					
	a. Specific fresh water consumption     (as per particular 9.f)     b. Effluent discharge     c. Metering of effluent generation & recycling point		1.74 KL/MT i.e. < 2 KL/MT						
			Nil Effluent No only V-notch provided						
			generation &	generation Recycling		No only V-notch provided			
				points	Tes.	Yes, logbook maintained			
		OD characteri	stics of	BOD (mg/l		11900			
	THE RESERVE AND ADDRESS OF THE PARTY OF THE	t at ETP inlet	I Dilate and a	COD (mg/l) 25520 of BOD/COD of effluent at ETP inlet indicate that un					
	is recycling loop syster 2 KL/MT) a			the treated n. Low value ilso indicate es (I.e. evap	effluent s of spec that unit	at max ific fre only a	dmum e) sh water bstract fi	ctent in a consump resh water	close otion (<
11.									
	a. ETP co	TP consists of		Sedicell, Primary treatment, Biological treatment followed by tertiary treatments					
	b. Installed capacity		Unit has in having cap treatment adequate a recycled at	stalled E acity of 3 of capaci as more t	TP with 1950 K ty 121 han 95	Primary LD & Sec 2 KLD wi 5% waste	condary b hich seen swater is	iologica 15	
	c. Meteri	ng at ETP		ETP inlet				h provide	ed
				Recycling			gbook n	naintaine	1
1	d Open	Honal status		Constinu		No			
	u. upera	tional status		Operation Flow at inle	et: 135	3/hr	lac part	(-notch e	ading
- 1			Flow at inlet: 125 m3/hr. (as per V-notch reading) MLVSS/MLSS in aeration tank: 1576/3289						

	e. OCEMS at E	a P budet	OCEMS was found installed at outlet of Unit However, as informed by unit representative connectivity of OCEMS was discontinues as unit has achieved ZLD status as per CPCB SOP				
t	f. Effluent Cl	haracteristics					
Ī	Parameter	ETP inlet	ETP outlet	Norms as per consent	Compliance w.r.t. consen		
Ī	pН	5.7	7.3	Not applicable as unit is recycling	NA		
1	BOD (mg/l)	11900	652	the treated effluent back into	NA		
Ì	COD (mg/l)	25520	1482	the process. No outside discharge	NA		
Ì	TSS (mg/l)	6902	256	onto land/surface disposal	NA		
Ī	TDS (mg/l)	25024	2640		NA.		
İ	g. ETP Sludg	e generation			A.		
-	a. Biological sl (as per logboo	udge generation k)	ETP sludge 2	220 Kg in Dec 23 as pe	r Form 10		
- [	b. Daily sludge	generation	7 Kg/D				
	c. Specific sludge generation		0.5 kg/T of	paper			
	d. Estimated sludge generation @ 30 % of inlet TSS load at aeration tank						
		agement & disposal	Provided to BOWML (TSDF) for final disposal Form 10 & Form 4 provided as record				
2.	recycled after	dge generation is very primary treatment only blid waste managem					
1	Non-paper solid waste generated (As per logbook)			rom Nov.23 to Dec 23) company (an authoriz			
	X K		recognized t	by UKPCB) for further r copy and sales records	ecycling		
	Daily waste ge	over	recognized to (agreement unit) 1 MT/Day	by UKPCB) for further r copy and sales records	ecycling		
	Daily waste ge	over	recognized t (agreement unit) 1 MT/Day	by UKPCB) for further r copy and sales records	ecycling		
	Daily waste ge Specific Non generation	neration -paper solid waste id waste generation	recognized t (agreement unit) 1 MT/Day 0.8 % of page 4.2 MT/Day Hence actual much lower	oy UKPCB) for further r copy and sales records per produce against 1 MT/Day as p I non-paper solid wast than the estimated val	ecycling are provided by er logbook data e generation is ue indicate that		
3.	Daily waste ge Specific Non generation Potential sol	neration -paper solid waste id waste generation sper	recognized t (agreement unit) 1 MT/Day 0.8 % of page 4.2 MT/Day Hence actual much lower	oy UKPCB) for further r copy and sales records per produce against 1 MT/Day as p I non-paper solid wast	ecycling are provided by er logbook data e generation is ue indicate that		
3.	Daily waste ge Specific Non- generation Potential sol @3.5 % of pa	neration -paper solid waste id waste generation aper management	recognized t (agreement unit) 1 MT/Day 0.8 % of page 4.2 MT/Day Hence actual much lower logbook is no	oy UKPCB) for further r copy and sales records per produce against 1 MT/Day as p I non-paper solid wast than the estimated val	ecycling are provided by er logbook data e generation is ue indicate that		
3.	Daily waste ge Specific Non- generation Potential sol @3.5 % of pa	neration -paper solid waste id waste generation sper management	recognized to (agreement unit)  1 MT/Day  0.8 % of page 4.2 MT/Day Hence actual much lower logbook is not 14 TPH	oy UKPCB) for further r copy and sales records per produce against 1 MT/Day as p I non-paper solid wast than the estimated val ot maintained properly	ecycling are provided by er logbook data e generation is ue indicate that		
3.	Daily waste ge Specific Non- generation Potential sol @3.5 % of pa	neration -paper solid waste id waste generation aper management ity	recognized to (agreement unit)  1 MT/Day  0.8 % of page 4.2 MT/Day Hence actual much lower logbook is not 14 TPH  Stack Height	oy UKPCB) for further r copy and sales records per produce against 1 MT/Day as p I non-paper solid wast than the estimated val	ecycling are provided by er logbook data e generation is ue indicate that		
3.	Daily waste ge Specific Non- generation Potential sol @3.5 % of pa Air Pollution a. Boiler capac b. Stack detail c. APCD install d. Estimated	neration -paper solid waste id waste generation aper management ity	recognized t (agreement unit)  1 MT/Day 0.8 % of pay 4.2 MT/Day Hence actua much lower logbook is no  14 TPH Stack Height Multicyclone	oy UKPCB) for further r copy and sales records per produce against 1 MT/Day as p I non-paper solid wast than the estimated val of maintained properly t -33.5 m, diameter- 1 and Wet scrubber	ecycling are provided by er logbook data e generation is ue indicate that		
ж.	Daily waste ge Specific Non- generation Potential sol @3.5 % of pa Air Pollution a. Boiler capac b. Stack detail c. APCD install d. Estimated	neration -paper solid waste id waste generation iper management ity s led steam requirement @	recognized to (agreement unit)  1 MT/Day  0.8 % of pay  4.2 MT/Day Hence actual much lower logbook is not pay  14 TPH Stack Height Multicyclone  193.6 T/day	oy UKPCB) for further r copy and sales records per produce against 1 MT/Day as p I non-paper solid wast than the estimated val of maintained properly t -33.5 m, diameter- 1 and Wet scrubber	ecycling are provided by er logbook data e generation is ue indicate that		
3.	Daily waste ge Specific Non generation Potential sol @3.5 % of pa  Air Pollution a. Boiler capac b. Stack detail c. APCD install d. Estimated 1.6 T/T of p e. Fuel used	neration -paper solid waste id waste generation iper management ity s led steam requirement @	recognized to (agreement unit)  1 MT/Day  0.8 % of pay  4.2 MT/Day Hence actual much lower logbook is not pay  14 TPH Stack Height Multicyclone 193.6 T/day  Bagasse and	oy UKPCB) for further r copy and sales records per produce against 1 MT/Day as p I non-paper solid wast than the estimated val of maintained properly t -33.5 m, diameter- 1 and Wet scrubber	ecycling are provided by er logbook data e generation is ue indicate that		
	Daily waste ge Specific Non- generation Potential sol @3.5 % of pa  Air Pollution a. Boiler capac b. Stack detail c. APCD install d. Estimated sol 1.6 T/T of potential f. Fuel consider considered logbook)	neration -paper solid waste id waste generation iper management ity s led steam requirement @ aper produce sumption (as per	recognized to (agreement unit)  1 MT/Day  0.8 % of pay  4.2 MT/Day Hence actual much lower logbook is not be seen to be s	oy UKPCB) for further records over produce against 1 MT/Day as planon-paper solid wash than the estimated valot maintained properly and Wet scrubber twood chips	ecycling are provided by er logbook data e generation is ue indicate that		
3.	Daily waste ge Specific Non- generation Potential sol @3.5 % of pa  Air Pollution a. Boiler capac b. Stack detail c. APCD install d. Estimated 1.6 T/T of p e. Fuel used f. Fuel con- logbook) g. Daily fuel co	neration -paper solid waste id waste generation aper management fity s led steam requirement @ aper produce sumption (as per	recognized to (agreement unit)  1 MT/Day  0.8 % of page of the pag	oy UKPCB) for further records over produce against 1 MT/Day as planon-paper solid wash than the estimated valot maintained properly and Wet scrubber twood chips	ecycling are provided by er logbook data e generation is ue indicate that		

<ol> <li>Estimated ash generation @ 2.5</li> <li>of fuel consumed</li> </ol>	1.39 MT/D
<li>k. Ash generation w.r.t of fuel consumed (%)</li>	1.6 %
Disposal of ash generated	Disposed of in low laying area
m.Stack monitoring results	Date of Monitoring: 03/02/2024 by UPPCB Particulate Matter (PM): 47,6mg/Nm³ against standard of 80 mg/Nm³ - Complying

consumption and ash generation at current production rate. However, unit has to ensure safe disposal of generated ash.

### 14. Hazardous waste management

Authorization status	Available with validity till 29,04,2028
Copy of agreement with recyclers /TSDF	Available with Bharat Oil & Waste Management Ltd. Kanpur
Hazardous waste generated	ETP sludge 220 Kg, Empty barrels 30 Kg, Black oil 50 Liter and cloths 40 Kg in Dec 23 (as per Manifest for hazardous waste (form 10) dated 30.12.2023 provided by unit)

### Major observation & Key issues

a. Unit and ETP both were found operational at the time of visit.

b. Unit is engaged in manufacturing of Kraft paper using recycled fiber (waste paper) of mixed type with existing production of 121 MT/d against installed capacity of 150 MT/D. % yield measured as 85% of raw material.

c. Unit has installed ETP with Primary treatment unit having capacity of 3950 KLD &Secondary biological treatment of capacity 1212 KLD which seems adequate as more

than 95% wastewater is being recycled after primary treatment only. d. OCEMS was found installed at outlet of Unit and as informed by unit representative connectivity of OCEMS was discontinues as unit has achieved ZLD status as per CPCB

Specific fresh water consumption is calculated as 1.74 KL/T of paper produce.

f. The analysis results of samples collected from ETP inlet shows pH: 5.7, COD: 25520 mg/l, BOD: 11900 mg/l, TSS: 6902 and TDS: 25024.

g. The analysis results of samples collected from ETP outlet shows pH: 7.3, COD: 1482 mg/l, BOD: 652 mg/l, TSS: 256 and TDS: 2640. As the unit is opted for ZLD and recycling the all treated effluent back into the process. Hence notified discharge norms are not applicable at ETP outlet.

h. Analysis results of sample collected from aeration tank shows MLVSS/MLSS as 1576/3289mg/l. Results indicate that the aeration tank of the unit is not in stabilized condition

i. 89 % reduction in TDS without TDS reduction unit observed in ETP indicate that dilation of ETP outlet can't be ruled out. However, unit does not discharge treated effluent outside and found operating at ZLD,

 Non-paper solid waste (plastic waste), generated @ 0.8 % of paper produce, was being provided to Suraj plastic company Roorkee, an authorized recycler recognized by UKPCB with registration certificate no. UEPCB/HO/Plastic-Reg/2019/1928 dated 29.01.2019, for further recycling. Agreement copy and sales records are provided by unit.

a. V-notch was found installed at ETP inlet against the desirable flow meter with totalizer facility. No flowmeter was found installed at final ETP outlet for metering.

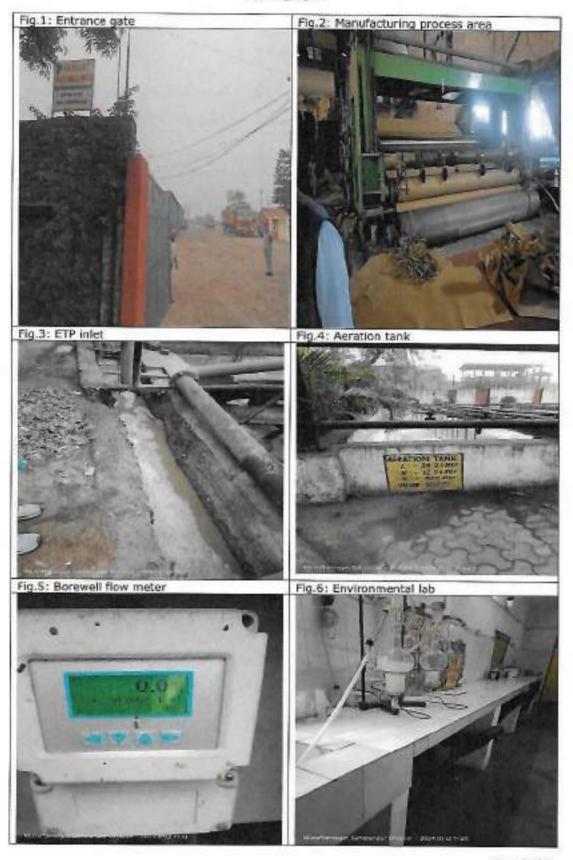
b. High value of BOD/COD of effluent at ETP inlet indicate that unit is recycling the treated effluent at maximum extent in a close loop. Low values of specific fresh water consumption (< 2 KL/MT) also indicate that unit only abstract fresh water to top up the losses (i.e. evaporation, sludge etc.) accrued during paper making. However, as the unit has not installed flow meter with totalizer at ETP inlet and outlet that's why ZLD status cannot be confirmed without proper water balance

Actual Non-paper solid waste (plastic waste) generation not in line with the estimated

	generation indicate logbook is not maintained properly.  Compliance Status As per Discharge norms: ZLD unit (no discharge)			
16.				
17. Recommendations:				
3000	<ol> <li>Unit shall install flow meter with totalizer facility at ETP inlet and outlet as per charter for ZLD verification.</li> </ol>			

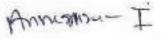
Sr.No.	CPCB officials	Designation	Organisation	Signature with
1	Mr. C.B. Chourasia	Scientist E	CPCB, Delhi	-285 P. 23
2	Mr. Vipin Kumar	RA-III	CPCB, Delhi	Albas Rumas
3	Dr. Vivek Rana	RA-I	CPCB, Delhi	Vikave.
Sr.No.	SPCB/SMCG officials	Designation	Organisation	Signature with date
1	Mr. Y.K. Mishra	AEE	UPPCB	W
2	Mr. Pushkar Singh	TA	UPGWD	4-

# Photographs



Page 6 of 7







#### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828, 2720831, Fax 0522-2720764. Esnail: info@pupek.io., Website: www.uppeb.com

187907/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 31/07/2023

To.

M/sPARIJAT PAPER MILLS LTD

10.6 Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974"and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

### Application no. 21856847

Date :- 2023-07-03

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s PARIJAT PAPER MILLS LTD located at 10.6 Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit	Permitted by the Board	
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	Waste Paper- 175 MT/Day, Rosin, Alum etc.	Krafi Paper- 150 MT/Day	Kraft Paper- 150 MT/Day

GHAN SHYAM Digitally signed by CHAN SHYAM Date: 2023.08.1715:36:19 +05:30

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the unit	Permitted by the	
		Numbers	Usage / Process operation	Board
1	Kraft Paper- 150 MT/Day by using raw material as Waste Paper- 175 MT/Day, Rosin, Alum etc	Kraft Paper- 150 MT/Day by using raw material as Waste Paper- 175 MT/Day, Rosin, Alum etc	Kraft Paper- 150 MT/Day by using raw material as Waste Paper- 175 MT/Day, Rosm, Alum etc	Kraft Paper- 150 MT/Day by using raw material as Waste Paper 175 MT/Day, Rosin, Alum etc

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

# A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical / Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2025-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piczometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed	
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced	
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper	

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piczometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

# B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

GHAN SHYAM Date: 2023.08.17.15:36:59 + 0230

S.No	CCA is valid for	Declared by the unit	Permitted
1	ZLD	ZLD	ZLD

# 2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to eater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 – 8.5	6.5 - 8.5	6.5 - 8.5	No discharge is allowed
TSS, mg/l	<= 30	<30	<30	No discharge is allowed
BOD, mg/l	<- 20	< 20	< 20	No discharge is allowed
COD, mg/	< 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<- 250	< 150	< 150	No discharge is allowed

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.08.17.15.37.11+105.30

AOX, mg/l	<- 8	5		No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- e) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- 15. The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: –
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	4.0
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SEPTIC TANK

\* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately. The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; E
- d. Use of jet acrators for improved biodegradation in acration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc.
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.

### 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	l X 14 TPH Boiler, 1 X 12 TPH Boiler	Bio Fuel-200 MT/Day	36 meter combined stack height from ground level	Multi Cyclone On Fach, Wet Scrubber (Common)	AS PER CAOM DIRECTION

2	I X 225 KVA DG, I X 125 KVA DG SETS	PNG/DIESEL (ONLY APPROVED FUEL BE PERMITTED AS PER CAQM DIRECTION)	AS PER E(P) RULES, 1986	ACCOUSTIC ENCLOSURE	AS PER CAQM DIRECTION
---	---	--	----------------------------	------------------------	--------------------------

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- V. Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.

### 9. Noise Pollution Mitigation:

Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
as is required for meeting the ambient noise standards for night and day time as prescribed for
respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industrial Area		Commer	rcial Area
Day	Night	Day	Night
75	70	65	55

# Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior approval before making any modification in product/ process/ fuel/ plant machinery failing which consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets) Current
  Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by
  the unit may be verified.

GHAN SHYAM Digitally signed by GAMA SLIVAM Date: 2023/08:17 15:43:11 :05:50\*

- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- 12. made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www....
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

 This CTO is valid only for the production capacity of Kraft Paper- 150 MT/Day by using raw material as Waste Paper- 175 MT/Day, Rosin, Alum etc. only at site at 10.6 Km Stone, Bhopa Road, District-

GHAN SHYAM Date: 2023/08/17 15-43-21 +05'30

Muzaffarnagar, U.P.

- The industry must complying the conditions of NOC obtained by UPGWD for abstraction of ground water.
- 3. This consent is valid only for Zero Liquid Discharge (ZLD). No effluent is allowed to discharge outside the factory premises.
- 4. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.
- 5. The industry shall operate as per norms 1 X 14 TPH Boiler installed with Multi Cyclone, Wet Scrubber (Common), 1 X 12 TPH Boiler installed with Multi Cyclone, Wet Scrubber (Common) and 36 meter combined stack height from ground level. Fuel for Boiler is Bio Fuel-200 MT/Day. Unit already have 1 X 225 KVA, 1 X 125 KVA DG Sets, fuel for DG Set is Diesel/PNG. Only approved fuel is permitted as per CAQM direction.
- 6. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 7. Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis by LIMS Portal from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 8. In case of any change in production capacity/ process/raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- Unit must ensure strict time bound compliance of suggestion/recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp and Paper Industries" formulated by CPCB.
- 10. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
- 12. This CTO order shall automatically become invalid on issuance of Closure Order by C.P.C.B/UPPCB and further on Revoking of Closure order, the Consent order shall become valid.
- 13. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM. 14. DG sets under 800 kW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available' as one-time as per CAQM direction dated-16.12.2022.
- 15. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 16. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 17. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 19. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion GHAN SHYAM Digitally separately union SHYAM Digitally separately union SHYAM Digitally 1543-12 405-101

from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.

- 20. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 21. The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 22. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process. No Treated water shall be discharge outside the factory premises in any circumstances.
- 23. Industry shall install/operate at sufficient height from the ground level Open to Network HD PTZ Camera at the outlet of ETP and its URL and password shall be provided to the UPPCB Control room.
- 24. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 25. Industry shall install and maintain Online Continuous Effluent and Emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 26. Industry shall comply the order passed by Hon'ble NGT time to time.
- 27. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board after expansion in existing unit.
- Industry shall not use furnace oil/pet coke as a fuel.
- 30. Industry shall ensure proper disposal of boiler ash.
- 31. This consent is valid only for products and quantity mentioned above, Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 32. The unit shall submit the audited balance sheet for the current year.
- 33. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.
- 34. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 35. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 36. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 37. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppeb.com/pdf/Green-Belt-Guidle 160218.pdf.

  GHAN SHYAM Digitally signed by Green Shyam Shyam Date: 2023.08.17 1543.93 (0530)

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.08.17 15:43:52 -05'30' Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Date: 2023.08.17 15:44:05 +05:30 Chief Environmental Officer (Circle 3)

3014/22 427 PM



## GROUND WATER DEPARTMENT

(Nameni Gange & Bural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG017628

VALID FROM 06/05/2020 TO 05/06/2025

	Registration No.: 202110000	155		
	Name of the Owner	AMIT MITTAL		
Co	Address of the Applicant	10.5 Km Stand Bhope Road , Muzalfarnagar	Application Form Serial No.	M2F8.1021PJN0072
37.65	Date of Submission	08/10/2021	Specimen Signature	
	Company Name	M/s PARIJAT PAPER MILLS LIMITED	Company Address	10.6 KM, BHDPA ROAD MUZAFFARNAGAR, U.P
	Location Particulars			
	District	Muzaffar Nagar	Block	MUZAFFARNAGAR
	Plot No./Khasra No.	10.6 KM, BHOPA ROAD , MUZAFFARNAGAR, U.P.	Municipality/Corporation	Ne
	Ward No./Holding No.			n/A
	Particular of the Existing W	ell and Pumping Device		
	Date of Construction/Sinking of the Well	10/61/2004		
	Type of Woll	Tube Well/Boring	Depth of the Well (In motor)	80.00
	Puipose of well	andustrial	Assembly Size(For Tube Well)	
	Strainer Position (For Tube Well)			
	Type of Pump Used	Submers 6/6	H.P. of the Pump	12 50
	Operational Device	Electric Motor	Rate of Withdrawat (m. 97m.)	44,93
	Date of Energization (In Case of I	Electric Pump)	21/01/2004	
	Maximum Allowable Rate of Withdrawel (m <sup>2</sup> 9x,)	44.CD	Maximum Allowable Running Hours Per Day:	10.00
	Maximum Allowable Ansual Extr	action of Ground Water:		13000000
	Berry to work the WAR	DUST TO PHANGE IN BORTAL F	POW COMM TO HEROMO	

Reason to removal of N.O.C. enal.th. in rall-horor on west

DUE TO CHANGE IN FORTAL FROM OGMA TO LIFEWO.

#### Against Case

This Horality conficule authorizes the owner apparent (user to sink a well in the foother appoint of St. (3) for extraction of ground water as a rate run or exceeding that as shown at St. (3) for Running House periody as shown at St. (3s), and for maximum allowable arrupe extraction of ground water as shown at St. (3k) and is valid subject to the observance at the conditions stated evodes!

#### Conditions

 <sup>(1)</sup> in case of any change of owners is all the proposed well thoughout bonzallon has to be obtained.

- 2) No change of location, design, rate of withdrawal and pumping device it respect of the proposed well as indicated at St. (2) and (3) of this confidence shull be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to canodiation
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix eight water flow
  makers,conforming to BIS/15 standards; having telemetry system in the abstraction southers, which recordinate and quantum of
  extraction, at outlet of pumping devices end it shall be presumed that the quantity recorded by the meter has been extracted by the said
  user until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the
  metanded rate from water meners.
- (4) The concerned Authority reserves the right to stop eleraction of ground water from the worldue to quality hazards or any other testions of the situation so demands.
- (5) If case of any change of ownership of the existing well, this hierarction has to be obtained.
- (6) No charge of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this conflicate shart be made without prior permission of the Competent Authority. Any deviction in this regard shart for concellation of this registration.
- (7) in case, any of the periodians conformation furnished by the applicant in his application for issuance of this registration is facility verification at any subsequent stage, this registration is liable for cancellation.
- iv, the Contract of Authorization NOC shall be value for a period of five years from the date of issue. The applicant shall have to sapity to remain intrough a from application, at fewer ninety days prior to expiry of its validity.
- (ii) Juntity into of prezonators and indication of digital water level recorders with telemetry shall be mandatory for user Death and
  John tapped of prezonator should be commonsurate with their of the pumping well. The data, obtained from digital water is unstrecorders
  shall be made available to this place on monthly basis.
- . (10) Gode nes for Installation of Prezometers and their Monitoring
- Pleasure for is a parewall higher well used only for measuring the water level by lowering the tapel sounder or payameter water level
  interesting opurpment. It is also used to take water sample for water quality leating whenever needed. General guidelines for installation
  of measurement are as follows for compliance of NOC.
- The over motion is to be installed constructed at the minimum of 50m distance from the pumping well through which ground water is being such drawn. The diameter of the piezometer should be about 4" to 6".
- The displaced me plezometer should be some as is case of the pumping well from which ground water is being abstracted. If more than
  one personners are installed the second prezometer should montor the shallow ground waterregime. It will facilitate shallow as well as
  deeper ground water aquiter monitoring.
- . No of a example is to be constructed & Type of water level monitoring mechanism shall be as per below table.

Sw	Dunntum of Ground water withcrawal (guriday)	No. of prezometers required	Mo	ntineg Mechanism
		ing of hazzengames (ed)	Manual	DWLR with Telemetry
234	410	o	0	100
2	11-50	1	1	0
1	50-500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to one, the reported measurement angula be given in monthly to two decimals.
- +Formore, ment of water level sounder or automatic water level recorder (AWLR) Digital Automatic water level recorder (DVLR) with fallers by system should be used for accounty
- The measurement of water level in piecemeter should be taken, only after the pumping from the surrounding tube wells has been stopped for vacual four to six hours.
- An the dutais regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be
  provided for bringing the prezometer into the Hydrograph Mandoring System for Ground Water Department, Uttar Process, and for its
  wildebox
- The ground water quality has to be more and twice in a year during pre-monsoon (May/June) and post-monsoon (Digoter Recember)
  points from tymes be get analyzed from MABL improved lab. Sections, one sample (1 It capacity bodile) to the concerned Director.
  Control Vistor Department, Ultran Practices for exercises analysis.
- A Permanent analysis board should be installed at parameter? Tube wells site for providing the total band preparator? Tube well number
  done and a my tapped of pleasanterers be was for standard referencing and identification.
- . Try other was appeale requirement regarding safety and access for measurement may be taken care of
- . (11) Any other condition(s) that may be imposed by the concerned Authority
- (12) In case, any of the particulars i information furnished by the applicant in his application for issuance of two points a found to be accorded during ventication at any subsequent stage, this permit is label for concellation.
- . SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Cereticate for ground water extraction by industries shall be granted subject to the following specific conditions.
- i) No Objective Confecte shall be granted only in authorises where local government water supply agencies are not safe to supply the desired country of water
- III All in 3 stress shall be required to adopt latest water efficient journal ogies no as foreduce dependence on ground water insources.
- III) All injustices abstracting ground water or excess of 100 m<sup>2</sup>/d shall be required to uncertake annual water much through Confederation of line an industries (CE)/ Federation Adian Character of Commerce and Industry (FICCI)/ National Productive Counce (NFC) and fed

- auditors and submit audit reports within three menths of completion of the same to Ground Water Department. Utter Pracesh, All such indicate to what be required to require their ground water use by at least 20% over the next tive years through appropriate means.
- Visit and on of observation well s) (prezemeter)(s) within the promises and installation of appropriate water lovel monitoring must burn in as mentioned in General Commission to shall be provided for inclusives drawing proposing to draw more than 10 m<sup>3</sup>/day of ground water and. Monitoring of water level shall be done by the project proposent. The plezometer (observation was) shall be constructed at a minimum distance of 50 m from the base well-production well. Depth and aquiter zone tapced in the prezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be summitted online to the Ground Water Department. UP
- v) The proportions shall be required to adopt roof too nanivator harvesting/ rednarge in the project premises. Incurring which are likely to stall a water schemical, pharmacouncial, dyes, pigments, paints, textiles, fannary, peakendayl insections, fortugers, staughter has to colorate etc.) shall store the narves of rain water in surface storage tacks for use in the industry.
- w) the then of treated untreated waste water into acufer system is strictly prohibited.
- Industries which are likely to daune ground water pollution e.g., Tarming, Sleughter Houses, Dye, Chemical Persperences, Coal washern's other hazardous units etc. (as per GPCB list) need to undertake necessary net head protection immassives to ensure presention of ground water pollution.
- (8) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conductors
- a biscoan of infrastructure projects that require deviating, proponent shall be required to carry out regular monitoring of dewatering
  and the results about 8 be retained by the proponent for two years, for inspection or reporting as required by Diamet Ground Water
  United the Council.
- in mitaliation of Sewage Treatment Plants (STP) shall be mandatory for new projects. Where ground water requirement is more than 20.
   in the water from STP shall be unitzed for toilet flushing, car washing, gardening atc.

Date 14/03/2022

Place Muzulter Nagar

This certificate is electronically generated and does not require digital signature



## GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (E)

(See rules 15(2))

(RENEWAL OF AUTHORIZATION) NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER) AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG046580 VALID FROM 05/06/2020 TO 05/06/2025

Registration No.: 20211000	0157	53 55 10 10 10 10 10 10 10 10 10 10 10 10 10	
Name of the Owner	AMIT MITTAL		
Address of the Applicant	10.6 Km Stone , Bhopa Road , Muzaffarnagar	Application Form Serial No.	MZFN1021R0N0071
Tate of Submission	95/19/2021	Specimen Signature	
Company Name	N/6 PARLIAT PAPER MILLS UNITED	Company Address	10.6 KM, BHOPA ROAD ; MUZAFFARNAGAR, U.P.
Location Particulars			MODERARIOGEA, U.P.
District	Muzattar Nagar	Block	NUZAFFARNAGAR
Plot No./Khasra No.	10.5 KM, BHOPA ROAD MUZAFFARNAGAR, U.P	Municipality/Corporation	No
Ward No./Holding No.			40.0
Particular of the Existing W	ell and Pumping Device		NA
Date of Construction/Sinking of the Well	17/01/2004		
Type of Well	Tube Well/boning	Depth of the Well (in moter)	80.05
Purpose of well	Industrial	Assembly Size(For Tube Well)	60.00
Strainer Position (For Tube Well)			
Type of Pump Used	Suomersible	H.P. of the Pump	1250
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>2</sup> /hr.)	30.00
Date of Energization (In Case of I	Electric Pump)	29/01/2004	
Maximum Allowable Rate of Withdrawal (m*/mr.):	30'00	Maximum Allowable Running Hours Per Day!	10.00
Maximum Allowable Annual Extr	ection of Ground Water.		90000.00
Reason for renewal of N.O.C. एग.ओ.सी. के नवीनी करण का कारण	DUE TO CHANGE IN PORTAL FA	RON CGWA TO LIPGWO	
Against Case	All the second s		HOLE STREET, S

This No-Copy don certificate authorizes the owner applicant (user) to sink a well in the legislant specified at SI. (3) for exhibition of ground water at a rate not exceeding that as shown at St. (3), for Ronning Hours penday as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of this conditions stated overlead.

#### Conditions

<sup>. (1)</sup> In case of any change of ownership of the proposed well fresh authorization has to be obtained.

- (2) No change of location, design, rate of withdrawal and purpor Schole in respect of the proposed well as indicated at SL (2) and (3) of this correlates shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters(conforming to BIS(1S standards) having tolemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons if the situation so demands.
- . (2) In case of any change of ewnership of the existing well, fresh registration has to be obtained,
- . (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at \$1 (2) and (3) of this certificate shall be made without prior permission of the Compelent Authority. Any deviation in this regard shall lead to cancellation of this registration
- . 17 in case, any of the particulars Linformation furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- . (8) The Certificate of Avilhonization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- . (9) Construction of piezometers and installation of digital water level recorders with refernelry shall be mandatory for user. Depth and zone tapped of prezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- . (10) Guidelines for Installation of Pierometers and their Monitoring
- Personnellar is a conceell flube well used only for measuring the water level by lowering the taper sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation of piezomiters are as follows for compliance of NOC.
- . The prezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the prezometer stipuld be about 4" to 6".
- . The capits of the prezempter should be same as is case of the pumping wait from which ground water is being abstracted. If, more than one percompter are distalled the second prezometer should monitor the shallow ground water regime. It will lacintate shallow as well as deeper ground water aquiter monsoring
- No of pinzometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

. SNo	Quantum of Ground water withdrawal (cum/day)	No of piezometers required	Mo	extiring Mechanism
		Principles in Indefect	Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	5	1	0
3	50-500	i i	0	
4	> 500	2	0	

- The measuring frequency should be monthly and accuracy of measurement should be up to on, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DIVLR) with telemetry system should be used for accuracy.
- . The measurement of water level in prezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- - All the data is regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the prezometer into the Hydrograph Montgoing System for Ground Water Department, Utair Prodesh, and for its validation
- - The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Coming may be got analyzed from NARL eporoved lab, Besides, one sample (1 it. capacity bottle) to the concerned Cirector. Ground Water Department, Utter Prodesh, for chamical energies
- A Permanent display board should be installed at plazometer/Tube wells site for providing the location, plezometer/Tube well number, depth and zone tapped of piezometer/tube well for standard referencing and Identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) in case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during vanification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- . (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions
- . I) No Objection Comficate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- a) All industries shall be required to adopt latest water efficient lacrinologies so as to reduce dependence on ground water resources.
- ii) All inclusines abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (City Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified

auditors and submit audit reports within three months of come same to Ground Water Department, Ultar Pradeth, All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.

- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m² day of ground water and. Monitoring of water level shall be done by the project proponent. The prezomater (observation well) shall be constructed at a minimum distance of 50 m from the bare well-production well. Depth and aquifer zone tapped in the pinzometer shall be the same as that of the pumping well/ wells. Monthly waterfevel data shall be submitted online to the Ground Water Department, UP.
- . v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollule ground water (chemical, pharmaceutical, dyes, pigments, palets, lexities, tarinery, pestiodes) insecticides, fertilizers, slaggiter house, explosives etc.) shall store the harvested in n water in surface storage tanks for use in the industry.
- vi) Injection of treated untreated waste water into aquifor system is strong prohibited.
- · vii) Industries which are likely to cause ground water pollution e.g. Taning. Slaughter Houses, Dye, Chemical Petrochemical Coal washeres, other hazardous units etc. (as per CPCB list) need to undertake necessary with head protection measures to ensure prevention of ground water pollution.
- . (B) Infrastructural User. The No Objection Certificate for ground water abstraction will be granted subject to the following specific.
- I) in case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow mater) and submit the data online to Ground Whiter Department, UP as applicable, Municiping records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
- in Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20. m3 May. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date 14/03/2022

Place Muzatlar Nagar

PW

This certificate is electronically generated and does not require digital signature



## UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website: www.uppcb.com

Ref. No: 19975/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2023

Dated: 20/04/2023

To.

M/s PARIJAT PAPER MILLS LTD

10.6 KM stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Tehsil:MuzaffarNagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 19975 and 20/04/2023.
- Reference of application (No. and date) 20394981 and 25/03/2023.
- Mr AMIT MITTAL of M/s PARIJAT PAPER MILLS LTD is hereby granted an
  authorization based on the enclosed signed inspection report for generation, collection,
  utilization, storage and disposal or any other use of hazardous or other wastes or both on the
  premises situated at 10.6 KM STONE, BHOPA ROAD, MUZAFFARNAGAR.

### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULES I (Used Or Spent Oil)	THROUGH TSDF	0.225 MT/ANNUM
2	CATEGORY 33.1 AS PER SCHEDULES I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGH TSDF	0.30 MT/Annum
3	CATEGORY 33.2 AS PER SCHEDULES I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.075 MT/Annum
4	CATEGORY 34.2, AS PER SCHEDULE I (Sludge From Treatment Of Waste Water Arising Out Of Cleaning / Disposal Of Barrels / Containers)	THROUGH TSDF	1.5 MT/Annum

- The authorization shall be valid for a period of 19/04/2028 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).
- A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

## B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and

Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.

6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.

- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management

and Transboundary Movement) Rules, 2016.

21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

( Authorized Signatory )

GHAN SHYAM Date: 2023,05.08 11:55:14+05'30'
UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action .

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.05.08 11:55:21 +05:30\* CEO/EE, I/C Circle

## INDUSTRY INSPECTION REPORT (DISTILLERY- MOLASSES)

A. General section

Date of inspection: 17.01.2023

-		- tre of hispectionity ionizons		
1.	Name of the unit with complete postal address:	M/S Triveni Engineering & Industries Ltd. Alco Chemical Complex, Bhikki, Bilaspur, Jolly Road, Muzaffarnagar, U.P. – 251001		
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	LAT 29.4288 LONG 77,7788		
3.	Industry Operational status	Operational		
4.	Consent status	Having validity upto 31/12/2024. As per the consent, the unit is allowed to produce Rectified Spirit / Extra Neural Alcohol/Ethanol @ 160 KLPD using C-Heavy and @ 200KLD using B-Heavy molasses.(Annexure-I)		
5.	Environment Clearance	No. J-11011/369/20056-IA.I. dated 25-01-2007		

6.	Raw material	SASSOV				
	B-Heavy Molasses & C-heavy Mola	esses				
7.	Production					
	a. Consented value	160 KLPD using C-Heavy and @ 200KLD using B-Heavy molasses				
	<ul> <li>Actual Production (as per logbook)</li> </ul>	160 KLPD us	ing C – heavy mol	asses as raw material		
	c. Type of Molasses	F1.34.200 F1.500	11.23 to 10.01.24	The second second		
		C-Heavy (11	.01.24 to 16.01.24	+)		
	d. Quantity of Molasses	425840 Qtl	(1.11.2023 to 16.	01.2024)		
ai	e. Average daily production	169.88 KLD (	using B-heavy Mol	asses		
8.	f. Total Alcohol Production		Nov to 16 Jan 202			
9.	Fresh water consumption					
	a. NOC from CGWA/other authorized body	Yes, having validity 17.08.2026 for two Bore-wells and upb 18.08.2026 for 03 <sup>rd</sup> Bore-well(Annexure-II)				
	b. Details of borewell	03				
	c. Flow meters	Electromagnetic flow meters installed				
	Meters Reading					
		Borewell - I	Borewell - 2	Borewell - 3		
	Instantaneous flow rate (m²/hr)	0	59.87	39.50		
	Totalizer (m³)	50578.13	301288.82	211940.27	1	
	a. Permitted withdrawal quantity	1800 KLD				
	<ul> <li>Actual withdrawal quantity from Nov to Jan 2024</li> </ul>	66607 KL				
	c. Avg. daily withdrawal quantity	865,06 KLD				
	d. Specific fresh water consumption	5.29 kl/kl of production				
10.	Manufacturing Process					
	a. Consented discharge value	ZLD				
	<ul> <li>Type of Fermentation technologyadopted</li> </ul>	Fed Batch Fe	ermentation			
	c. Type of Distillation technology adopted	MPR Distillat	ion			

	Beer Court of August of								
	Raw Spent wash → MEE (6 stage of	capacity 2272 KLD) → In	cineration Boiler	(60 TPH) →Ash p					
	to M/s Ram Potash Pvt. Ltd. for								
	MEE and mosts and ad								
	MEE condensate and other Waste water Generation (spent	low strength effluent, →	CPU (1719 m <sup>3</sup> )						
	a. Actual spent wash generation	82889 KL							
	(as per logbook of Nov to 16 Jan 2024)	02009 KL							
	b. Avg. effluent generation daily	1120.12 KLD							
	c. Fermenter wash		15.04.000.0						
	d. CPU RO-Reject	3475 KL (01.11.2023 to	16.01.2024)						
	e. Specific effluent generation	7963 KL (01.11.2023 to	16.01.2024)						
-	f. Spent wash from lagoon	6.59 KLD (01.11.2023 t	0 16,01,2024)						
	g. Total Quantity of effluent	Approx. 7252 kl (98 KLI							
١	feed to MEE (KL)	101579 KL ~ 107667 T	(Sp. gravity 1.0	6) (fermenter					
	h. Feed to MEE (T)	wash +CPU Reject + ra	w spent wash+ f	rom lagoon)					
	i. Feed to MEE (Ton/day)	107667							
1		1454.9							
1	j. MEE Capacity and stages	2272 m <sup>3</sup> /day, Forced circulation and falling film, 6 effect							
l	k. MEE Condensate generated (TPD)	1054.4							
I	<ol> <li>MEE concentrate generated (TPD)</li> </ol>	401.4 T							
	m. CPU , Capacity	1719 m³							
I	n. CPU Scheme			2, 20, 11)					
	Equalization tank →PHE →Bu Secondary tank →HPCC →MC	iffer tank →Anaerobic	Digester → Aer	ation Tank→					
	o. Treated effluent from CPU p. Total quantity of other effluent	Used in molasses dilutio	n and cooling to						
	o. Treated effluent from CPU	F→ACF→UV& RO	n and cooling to LD) ate +						
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower	n and cooling too LD) ate + + blow down)						
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled	n and cooling too LD) ate + + blow down)	wer makeup					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses	wer makeup					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution	wer makeup 44116 in coolin					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130,91 KLD	wer makeup 44116 in coolin tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject)	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower Total quantity recycled (KL)  Total quantity recycled per day (KLD)	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject)	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject) r. Losses in ETP %	Used in molasses dilutio 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD No losses	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject) r. Losses in ETP % s. Actual effluent discharge	Used in molasses dilutio 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD No losses	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject) r. Losses in ETP % s. Actual effluent discharge Incineration Boiler a. Installed capacity b. Fuel used	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD No losses  ZLD	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	Wer makeup  44116 in coolin tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject) r. Losses in ETP % s. Actual effluent discharge  Incineration Boiler a. Installed capacity b. Fuel used c. C. Emission control system or Air Pollution Control Device (APCD) installed (Yes/No)	Used in molasses dilutio 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD No losses	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject) r. Losses in ETP % s. Actual effluent discharge  Incineration Boiler a. Installed capacity b. Fuel used c. C. Emission control system or Air Pollution Control Device (APCD) installed (Yes/No) d. Stack height	Used in molasses dilution 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD No losses  ZLD  60 TPH slop and bagasse	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject) r. Losses in ETP % s. Actual effluent discharge  Incineration Boiler a. Installed capacity b. Fuel used c. C. Emission control system or Air Pollution Control Device (APCD) installed (Yes/No) d. Stack height e. APCD	Used in molasses dilutio 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD No losses  ZLD  60 TPH slop and bagasse Yes	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	44116 in cooling tower make up					
	o. Treated effluent from CPU p. Total quantity of other effluent feed to CPU (1.11.2023 to 16.01.2024)  q. Quantity sent back to MEE (RO Reject) r. Losses in ETP % s. Actual effluent discharge  Incineration Boiler a. Installed capacity b. Fuel used c. C. Emission control system or Air Pollution Control Device (APCD) installed (Yes/No) d. Stack height	Used in molasses dilutio 91651 KL (1238.52 Kl (77956 KL MEE condens 13595 KL Cooling tower  Total quantity recycled (KL)  Total quantity recycled per day (KLD)  7963 KL 107.68 KLD No losses  ZLD  60 TPH slop and bagasse Yes	n and cooling too LD) ate + + blow down)  83688 KL 39572 in molasses dilution 1130.91 KLD 534.75 in Molasses	Wer makeup  44116 in coolin tower make up					

	boiler (MT)						
20.	<ul> <li>Slop consumed boiler (MT/day)</li> </ul>	in Incineration	401.4				
J.	i. Ash generation	(MT)	5677.03 (avg.) (76.71MT/day)				
	J. Method of dispo	sal	Ash provided to production of p	M/s Ram	Potash Pvt.	Ltd. for the	
21	Flow meters Deta	ils	production of p	ocasii gran	uics.		
	At MEE						
	a. Mass flow meter	with totalizer	ves				
	b. Inlet of MEE		Contract of the Contract of th	g 1852810	MT & mas	s flow rate 59.7	
	c. Outlet of MEE	Totalized readin 17.32m <sup>3</sup> /hr	g was 105	0.12 MT an	d mass flow rate		
Ì	At CPU						
	d. Flow meters		Installed Electro	magnetic fle	ow meter		
- 1	g. Readings on the	day of visit					
	Flow meter instal		at CPU	Instanta flow (m²/hr)	rate	Totalizer (m³)	
1	MEE condensate fed		42		308684		
	Treated effluent installed in CPU	.e. permeate i	from RO system	20		31051	
	At Incineration Bo Emission control Pollution Control (APCD) installed	system or Air Device (Yes/No)	Yes				
	Emission control Pollution Control	system or Air Device (Yes/No)	ngs	tion line feed to	Actual Fe	ed rate of	
	Emission control Pollution Control (APCD) installed	system or Air Device (Yes/No) alled with reading	d line Recircula before boiler	feed to	1 S. C. CONT. LANCE CO. S. C. C.		
	Emission control Pollution Control (APCD) installed	system or Air Device (Yes/No) alled with reading	d line Recircula before boiler		slop to boi		
	Emission control Pollution Control (APCD) installed	system or Air Device (Yes/No) alled with readin Common feet to boiler	d line Recircula before boiler	feed to	3 = 15.44m <sup>3</sup> /hr	1-2	
	Emission control Pollution Control (APCD) installed Flow meters installed	system or Air Device (Yes/No) alled with readir Common feed to boiler	d line Recircula before boiler	feed to	slop to boi	1-2	
	Emission control Pollution Control (APCD) installed Flow meters installed Instantaneous flow rate (m³/hr)	system or Air Device (Yes/No)  alled with readii  Common feet to boiler  1  24.14  807080.18	d line Recircula before boiler	feed to	3 = 15.44m <sup>3</sup> /hr (i.e. 370.56)	iler 1-2 5 KLD) as 02 impermea	
	Emission control Pollution Control (APCD) installed Flow maters installed Instantaneous flow rate (m³/hr) Totalizer (m²)	system or Air Device (Yes/No)  alled with readii  Common feet to boiler  1  24.14  807080.18	Recircular before boiler  8.70  393024.36  For storage of s lagoons of capaciare as follows;	pent wash,	3 = 15.44m <sup>3</sup> /hr (i.e. 370.56)	iler 1-2 5 KLD) as 02 impermea	
	Emission control Pollution Control (APCD) installed Flow meters installed Instantaneous flow rate (m³/hr) Totalizer (m³) Lagoon Details:	system or Air Device (Yes/No) alled with readir Common feet to boiler  1 24.14 807080.18	Recircular before boiler  8.70  393024.36  For storage of s lagoons of capaciane as follows;  3) Present S	pent wash, ity 14000 r	3 = 15.44m <sup>3</sup> /hr (i.e. 370.56)	iler  1-2  KLD)  as 02 impermea 2 nos.). The deb	
	Emission control Pollution Control (APCD) installed Flow meters installed Flow meters installed Instantaneous flow rate (m³/hr) Totalizer (m²) Lagoon Details: No. of Lagoons	system or Air Device (Yes/No) alled with readir Common feed to boiler  1 24.14 807080.18  Capacity (m	8,70 393024.36 For storage of s lagoons of capacare as follows;  Filled with	pent wash, ity 14000 r	3 = 15.44m <sup>3</sup> /hr (i.e. 370.56) the unit h	iler  1 - 2  5 KLD)  as 02 impermea 2 nos.). The det	
	Emission control Pollution Control (APCD) installed Flow meters installed Flow meters installed Instantaneous flow rate (m³/hr) Totalizer (m³) Lagoon Details: No. of Lagoons Lagoon -1	system or Air Device (Yes/No) alled with readir Common feet to boiler  1 24.14 807080.18  Capacity (m	8,70 393024.36 For storage of s lagoons of capacare as follows;  Filled with	pent wash, ity 14000 r Status approx. 3	3 = 15.44m <sup>3</sup> /hr (i.e. 370.56) the unit h m <sup>3</sup> each. (0)	iler  1 - 2  5 KLD)  as 02 impermea 2 nos.). The det	

more than 7 days holding capacity of the concentrated spent wash shall be dismantled within one month from date of Issuance of CCA. However, it was observed during visit the unit is having 2 lagoons of total capacity 28000 m3 which is much more than the permitted capacity.

a. PTZ camera and

PTZ installed at lagoon and provided connectivity to CPCB

server

b. Stack Emission monitoring system

Yes installed and connected

Efflu	tent	Chai	ract	erict	ice

Sr. No.	Sample Location	pH	(mg/l)	BOD (mg/l)	TS (mg/l)	Colour (mg/l)	TDS (mg/l)	TSS (mg/l)
1.	Raw spent wash	5.3	210240	83850	195630	-		Ling/1
2.	MEE feed	5.1	146720	67689	164370			-
3.	MEE Concentrate	5.9	463680	166698	523190		-	-
4,	Feed to Incineration boiler	7.8	504000	222249	538310		-	*
5.	Lagoon-1	3.4	141920	36859	125330	-		-
5.	Lagoon-2	6.4	206400	69332	170850			
7.	CPU inlet	4.5	2654	895	-	10	2448	408
8.	CPU outlet (RO permeate)	4.5	107	35		BDL	372	268

- > Analysis result of sample collected from line carrying raw spent wash and feed to MEE showed pH- 5.3-5-1, Total Solids - 164370mg/l-195630 mg/l, COD - 210240 mg/l-146720 mg/l and BOD - 83850 mg/l-67689mg/l respectively.
- > Analysis result of spent wash sample collected from outlet of MEE (i.e. MEE Conc.) feed to incineration boiler (i.e. Slop) showed pH- 5.9-7.8, Total Solids - 523190 mg/l, 538310 mg/l, COD = 463680 mg/l- 504000 mg/l and BOD = 166698 mg/l-222249 mg/l respectively. Solid content of Slop is 52-53%, which indicates that unit is consuming spent wash having >45% solid content in incineration boiler.
- > Analysis result of spent wash samples collected from lagoon -1 & lagoon 2 of capacity 14000 m3 showed pH- 3.4-3.6, Total Solids - 125330 mg/l -170850mg/l, COD -141920 mg/l -206400 and BOD - 36859mg/l -69332 mg/l respectively. Total solids concentration in sample collected from Lagoon -1 & 2 is 12.5 % and 17 % respectively which indicates that unit has stored raw spent wash in both the lagoons.
- > Analysis result of sample collected from the outlet of CPU showed pH 4.5, TSS 268 mg/l, COD - 107 mg/l, BOD - 35 mg/l, TDS - 372 mg/l and Colour - BDL which indicates that treated effluent from CPU is suitable for reuse in process/molasses dilution.

Analysis results of groundwater samples collected from Borewell

Parameters	Hand pump inside Molasses plant	BIS IS 10500:2012 (Permissible limit in absence of alternative source)
рН	7.4	6.5-8.5
Conductivity (µmho/cm)	1111	#8
Colour (colour units )	BDL	15
COD (mg/l)	BDL	20
TDS (mg/l)	742	2000
Total hardness as CaCO <sub>3</sub> (mg/l)	381	600
Total alkalinity as CaCO <sub>3</sub> (mg/l)	385	600
Chloride (mg/l)	104	1000
502	92	200
COLOUR	BOL	15
Fluoride (mg/l)	BOL	1.5
PO4-P	0.06	F
NO;-NO; (mg/l)	2.18	45
NO;-NO	0.05	-
Potassium	07	
Sodium	55	/150
As (mg/l)	BDL	0.05
Cd (mg/l)	BDL	0.003
Co (mg/l)	BDL	
Cr (mg/l)	BDL	0.05
Cu (mg/l)	BDL	1.5
Fe (mg/l)	0.03	0.3
Mn (mg/l)	0.26	0.3
Ni (mg/l)	BDL	0.02
Ph (mg/l)	BDL.	0.01
Sb (mg/l)	BDL	
Se (mg/l)	BOL	0.01
V (mg/l)	0.01	
Zn (mg/l)	0.01	15

Note: All values are in mg/l except pH, colour, SARand conductivity

Ground water samples collected from Borewell are within norms as per BIS standards.

### Analysis results of Stack Emission

The monitoring of the stack attached with 60TPH boiler was carried out by UPPCB during the joint team visit. As per the stack emission report PM was monitored 38.7 mg/Nm<sup>3</sup> against the stipulated norm of 80 mg/Nm<sup>3</sup>.

#### 23 Conclusion

The unit has Consolidated Consent & Authorization issued by UPPCB dated 25/11/2022 having validity upto 31/03/2024.

- To meet the fresh water requirement, the unit has installed three (03) of Borewell in the molasses plant with valid NOC (UPGWD). As per the logbook data, the unit has abstracted groundwater @ 865.06 KL/day (avg.) which is within the permissible limit of 1800 KL/day groundwater abstraction mentioned in the No Objection Certificate (NOC) issued by UPGWD.
- All the plant machinery including MEE, CPU, Incineration boiler were found operational on the day of the visit and the log book data indicates that the unit operates its ZLD systems regularly which are adequate to handle the spent wash and other effluents generated during the operation of Molasses based distillery plant of the unit.
- The unit is having excess 02 lagoons of capacity 28000m<sup>3</sup> against the permitted capacity of 6000m<sup>3</sup>, which is in violation of the consent condition.
- Analysis result of spent wash samples collected from lagoon -1 & lagoon 2 of capacity 14000 m³ showed total solids concentration 12.5 % and 17 % respectively. This indicates that unit has stored raw spent wash in both the lagoons, which is in violation of consent condition and CPCB direction dated 07.12.2015.

#### Recommendation:

The unit shall concentrate the stored spent wash stored in lagoons of capacity 28000 m<sup>3</sup> through MEE and shall consume the concentrated spent wash in Incineration boiler as per SOP thereafter, the storage capacity of the lagoon installed for more than 7 days holding capacity of the concentrated spent wash shall be dismantled in compliance to consent conditions.

#### 24 Compliance Status

As per Discharge norms: Complying

Overall compliance status: **Non-complying** (w.r.t excess Lagoon storage capacity & storing raw spent wash in these lagoon)

## INDUSTRY INSPECTION REPORT (DISTILLERY- GRAIN)

	C. General section	Date of inspection:17.01.2023
25	Name of the unit with complete postal address:	M/S Triveni Engineering & Industries Ltd. Alco Chemical Complex, Bhikki, Bilaspur, Jolly Road, Muzaffarnagar, U.P. – 251001
26	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	LAT 29.434342 LONG 77.78055
27	Industry Operational status	Operational
28	Consent status	Valid upto 31/12/25 As per the consent, the unit is allowed to produce Rectified spirit/ Extra Neutral alcohol / Ethanol @ 60 KLD using Grain. (Annexure-III)
29	Environment Clearance	F.No. J-11011/14/2018-IA.II dated 18.09.2019

D. Production process and infrastructure

3	Process	
3	Raw material Maize	
-	a. Actual consumption	92684 Qtl
	(as per logbook)	(01.11.23 to 16.01.24)
3	Production	
	g. Consented value	60 KLD
	h. Averagedaily production	50.48 KLD
3	<ol> <li>Production on the day of visit</li> </ol>	55 KLD
3	Fresh water consumption	
	d. NOC from CGWA/other authorized body	NOC for two borewells approved by Uttar Pradesh ground water department having validity upto 10.03.2026. (Annexure-IV)
1	e. Details of borewell	Two borewells with flowmeter with totalizer.
1	<ul> <li>Permitted withdrawal quantity</li> </ul>	1200 KLD
1	g. Actual withdrawal quantity	16821 KL( 01.11.23 to 16.01.24)
	h. Avg daily withdrawal quantity	218.45 KLD
3	Specific fresh water consumption     Effluent Management scheme	4.3 KL/KL of alcohol production
3	consumption  Effluent Management scheme  Raw Spent wash (whole stillage)	
	consumption  Effluent Management scheme  Raw Spent wash (whole stillage) → 1  Concentrated Spent wash (syrup) → market  Waste water Generation	4.3 KL/KL of alcohol production  Decanter → Thin stillage → MEE (7 stage of canacity 360 KLD) →
20	consumption  Effluent Management scheme  Raw Spent wash (whole stillage) → i  Concentrated Spent wash (syrup) →  market  Waste water Generation  a. Spent wash (thin Stillage)	4.3 KL/KL of alcohol production  Decanter → Thin stillage → MEE(7 stage of capacity 360 KLD) → Mixed with wet cake from Decanter → Dryer → DDGS sold to  287 KLD (01.11.23 to 13.01.24)
20 20 20	consumption  Effluent Management scheme  Raw Spent wash (whole stillage) → i  Concentrated Spent wash (syrup) →  market  Waste water Generation  a. Spent wash (thin Stillage)  b. Spent lees	4.3 KL/KL of alcohol production  Decanter → Thin stillage → MEE(7 stage of capacity 360 KLD) → Mixed with wet cake from Decanter → Dryer → DDGS sold to  287 KLD ( 01.11.23 to 13.01.24)  48.31 KLD (As provided by unit)
0000000	consumption  Effluent Management scheme  Raw Spent wash (whole stillage) → I  Concentrated Spent wash (syrup) →  market  Waste water Generation  a. Spent wash (thin Stillage)  b. Spent lees  c. MEE Condensate	4.3 KL/KL of alcohol production  Decanter →Thin stillage →MEE(7 stage of capacity 360 KLD) →  Mixed with wet cake from Decanter →Dryer →DDGS sold to  287 KLD ( 01.11.23 to 13.01.24)  48.31 KLD (As provided by unit)  280.18 KLD ( 01.11.23 to 13.01.24)
33 33 33 M 4	consumption  Effluent Management scheme  Raw Spent wash (whole stillage) → I  Concentrated Spent wash (syrup) →  market  Waste water Generation a. Spent wash (thin Stillage) b. Spent lees c. MEE Condensate d. Cooling Tower/ Boiler  blowdown	4.3 KL/KL of alcohol production  Decanter → Thin stillage → MEE(7 stage of capacity 360 KLD) → Mixed with wet cake from Decanter → Dryer → DDGS sold to  287 KLD ( 01.11.23 to 13.01.24)  48.31 KLD (As provided by unit)
333334	consumption  Effluent Management scheme  Raw Spent wash (whole stillage) → i Concentrated Spent wash (syrup) → market  Waste water Generation a. Spent wash (thin Stillage) b. Spent lees c. MEE Condensate d. Cooling Tower/ Boiler blowdown e. RO Reject	4.3 KL/KL of alcohol production  Decanter →Thin stillage →MEE(7 stage of capacity 360 KLD) →  Mixed with wet cake from Decanter →Dryer →DDGS sold to  287 KLD ( 01.11.23 to 13.01.24)  48.31 KLD (As provided by unit)  280.18 KLD ( 01.11.23 to 13.01.24)  26.68 KLD ( 01.11.23 to 13.01.24)
3 3 3 3 A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	consumption  Effluent Management scheme  Raw Spent wash (whole stillage) → I  Concentrated Spent wash (syrup) →  market  Waste water Generation a. Spent wash (thin Stillage) b. Spent lees c. MEE Condensate d. Cooling Tower/ Boiler  blowdown	4.3 KL/KL of alcohol production  Decanter → Thin stillage → MEE(7 stage of capacity 360 KLD) → Mixed with wet cake from Decanter → Dryer → DDGS sold to  287 KLD ( 01.11.23 to 13.01.24)  48.31 KLD (As provided by unit)  280.18 KLD ( 01.11.23 to 13.01.24)  26.68 KLD ( 01.11.23 to 13.01.24)  20.31 KLD ( 01.11.23 to 13.01.24)  307.31 KLD ( Thin stillage
333334	consumption  Effluent Management scheme  Raw Spent wash (whole stillage) → i Concentrated Spent wash (syrup) → market  Waste water Generation a. Spent wash (thin Stillage) b. Spent lees c. MEE Condensate d. Cooling Tower/ Boiler blowdown e. RO Reject	4.3 KL/KL of alcohol production  Decanter → Thin stillage → MEE(7 stage of capacity 360 KLD) → Mixed with wet cake from Decanter → Dryer → DDGS sold to  287 KLD ( 01.11.23 to 13.01.24)  48.31 KLD (As provided by unit)  280.18 KLD ( 01.11.23 to 13.01.24)  26.68 KLD ( 01.11.23 to 13.01.24)  20.31 KLD ( 01.11.23 to 13.01.24)

No. of Dry	er with Capacity	01	30 T/day		_		
a. Quantit from dr	y of DDGS generation		7 T (Thick syrup	+ DWGS)			
b. Method	of disposal	Use	d for Cattle feed	lina			
CPU		1030	a for cauce reed	ing	_		
CPU ca	pacity	645	KLD				
CPU Sc	heme						
Equalization → HRCC→	n Tank→ PHE→Buff MGF→ACF→UV & RC	er Tank ),	→Annerobic Dig	oster→ Aero	ution Tank	Secondary Tan	
	uantity Feed to CPU	blov	5.86 KLD ( MEE )	Condensate	+ Cooling To	ower/ Boiler	
Recycling	of treated effluent	within	process				
c. Treated	effluent from CPU stage used in		.54 KLD				
d. RO perm- up in coo	eate used for make ling tower	118	.01 KLD				
e. RO Rejec	t to MEE	20.3	31 KLD				
	rs installed						
At MEE	2-000 DODA	4					
Mass flown	neter with totalizer	Yes					
Inlet of ME	E	Tota rate	Totalizer reading was 140801.87 m <sup>3</sup> and instantaneous rate 12.9 m <sup>3</sup> /hr.  Totalizer reading was 12543.447m <sup>3</sup> and instantaneous				
Outlet of M	.EE	Tota					
At CPU		rate	1657.81 kg/hr.				
		-					
Flow meter	s	Inst	alled electroma	gnetic flow	meter		
Readings on	the day of visit:						
Flow met	er installation loc	ation	Instantaneo rate (m³/hr)		Totalize	r (m³)	
CPU Inlet			128678.75		13.59		
	fluent i.e. permeate	from	50152.75		6.77		
	installed in CPU				10000		
			ted form CDII				
	sults of the sample	collec	tea from CPU				
Analysis re Paramete	sults of the sample			OD	TSS	TDS	
Analysis re Paramete C.P.U In	sults of the sample	Ç	DD BC	OD 47	TSS 310	TDS 5240	
Paramete C.P.U In C.P.U	sults of the sample	C0 34	00 B0 40 15				
Analysis re Paramete C.P.U In C.P.U Outlet	esults of the sample ers pH let 4.6	34 1	00 B0 40 15 14 4	47	310 304	5240	
Analysis re Paramete C.P.U In C.P.U Outlet	esults of the sample ers pH let 4.6 4.8	34 1	00 B0 40 15 14 4	om Berewe	310 304 II IS 10500:2 missible lin	5240 3988 012 nit in	
Analysis re Paramete C.P.U In C.P.U Outlet	sults of the sample rs pH let 4.6 4.8 sults of groundwate	34 1	les collected fre Hand pump Inside Grain plant	om Berewe	310 304 II IS 10500:2 missible linice of altern source)	5240 3988 012 nit in	
Analysis re Paramete C.P.U In C.P.U Outlet Analysis re	sults of the sample of pH let 4.6 4.8 sults of groundwate Parameters	Cr 34 1.	les collected free Hand pump Inside Grain plant	om Berewe	310 304 II IS 10500:2 missible lin	5240 3988 012 nit in	
Analysis re Paramete C.P.U In C.P.U Outlet Analysis re	sults of the sample of pH let 4.6 4.8 sults of groundwate Parameters  pH onductivity (µmho/co	CC 344 1. r samp	les collected free Hand pump Inside Grain plant  8 378	om Berewe	310 304 II IS 10500:2 missible linice of altern source)	5240 3988 012 nit in	
Analysis re Paramete C.P.U In C.P.U Outlet Analysis re	sults of the sample of pH let 4.6 4.8 sults of groundwate Parameters	CC 344 1. r samp	les collected free Hand pump Inside Grain plant	om Berewe	310 304 II IS 10500:2 missible linice of altern source) 6.5-8.5	5240 3988 012 nit in	
Analysis re Peramete C.P.U In C.P.U Outlet Analysis re	sults of the sample of pH let 4.6 4.8 sults of groundwate Parameters  pH onductivity (µmho/co	CC 344 1. r samp	les collected free Hand pump Inside Grain plant  8 378	om Berewe	310 304 II IS 10500:2 missible linice of altern source) 6.5-8.5	5240 3988 012 nit in	
Analysis re Peramete C.P.U In C.P.U Outlet Analysis re	sults of the sample is pH let 4.6 4.8 sults of groundwate Parameters  pH inductivity (µmho/ci Colour (colour units	CC 344 1. r samp	les collected free Hand pump Inside Grain plant  8 378 BDL	om Berewe	310 304 II IS 10500:2 missible lin ice of alteri source) 6.5-8.5	5240 3988 012 nit in	

Total hardness as CaCO <sub>3</sub> (mg/l)	172	600
Total alkalinity as CaCO <sub>3</sub> (mg/l)	207	600
Chloride (mg/I)	12	1000
Fluoride (mg/l)	0.35	1.5
PO4-P	0.08	
NO <sub>3</sub> -N(mg/i)	BDL	45
NO <sub>2</sub> -N	BDL	
Potassium	05	
Sodium	13	
As (mg/l)	0.03	0.05
Cd (mg/l)	BDL	0.003
Co (mg/l)	BDL	-
Cr (mg/l)	BDL	0.05
Cu (mg/l)	BDL	1.5
Fe (mg/l)	2.83	0.3
Mn (mg/l)	0.16	0.3
Ni (mg/l)	BDL	0.02
Pb (mg/l)	BDL	0.01
Sb (mg/l)	BDL	
Se (mg/l)	BDL	0.01
V (mg/l)	BDL	
Zn (mg/l)	0.02	15

Note: All values are in mg/l except pH, colour, SAR and conductivity

Ground water samples collected from Borewell are within the norms as per BIS standards

#### Conclusion

- a. The unit is having a valid consent from Uttar Pradesh Ground Water Department till 01.03.2026 for groundwater abstraction from 02 no. of Borewells.
- b. As per the logbook provided for groundwater withdrawal the unit has abstracted groundwater @ 218.45 KL/day which is within the permissible limit of 1200 KL/day of groundwater abstraction mentioned in the No Objection Certificate (NOC) issued by UPGWD.
- c. Above observations and calculations indicates that the unit operates its ZLD systems regularly which are adequate to handle the spent wash (thin stillage) and other effluents generated during the operation of Grain based distillery plant of the unit.

### Compliance Status

As per Discharge norms: Complying Overall compliance status: Complying

#### Recipient Drain Quality:

To assess the industrial impact on the drain if any, team collected the samples at u/s and d/s

location w.r.t the Alco-Chemical Complex from the Jat Mujhera drain which flows adjacent to the unit. Analysis results are tabulated below.

Analysis results of groundwater samples collected from the u/s and d/s of Jat Mujhera Drain

S. No.	Sample Description	pH	Colour	SS	TDS	504-2	P04	NO3	BOD	COD
1.	Drain, upstream of M/s Triveni Engg.	7.06	60	120	1248	44.35	0.22	12.6	97	388
2.	Drain, downstream of M/s Triveni Engg.	6.68	60	214	1650	41.121	0.288	2.170	186	656

Note: All values are in mg/l except pH and colour

The analysis result showed deterioration in drain water quality at downstream of the unit which indicates industrial contribution.

Inspection team details:

Sr.No. CPCB officials

Designa Organization Signature
tion

1. Ms. Anshul Kumari RA-III CPCB, Delhi

Dr. Vivek Rana RA-I CPCB, Delhi

- 3. Dr. A. K Gupta Sc & MOEFRCC
- 4. Sh. Diwalan Dev JRF UPPCB
- 5. sh Yashpalsiyh utawo

### Compliance report of Bottling plant

The joint committee inspected the bottling unit of M/s Triveni Engineering and Industries Ltd. Also Chemical Complex on 11/01/2024 and following were the observations made by the committee:

- The unit and ETP were found operational on the day of inspection i.e. on 11/01/2024.
- The unit has CCA under Water Act, 1974 and Air Act, 1981 for manufacturing of Indian Made Foreign Liquor (12000 Nos./day) and country Liquor (24000 Nos./day) valid for the period from 01/08/2023 to 31/07/2025. (Annexure-V)
- 3. As per CCA, the treated effluent shall be reused in process of Distillery Plant of the unit.
- 4. The unitis meeting its water requirement from the Distillery Plant and have not installed any borewell at bottling unit. Sample of raw water being used in the bottling plant was collected by the inspecting team. Laboratory analysis results are:

S. no.	Parameter	Value
1	pH	7.9
2	COD (mg/l)	BDL
3	TDS (mg/l)	210

- The unit has installed an ETP of capacity 40 KLD for the treatment of effluent generated from bottling unit. The ETP consist of the following units: screens → Equalization Tank → MBBR → Tube Settler → Final Outlet
- 6. Flow meters were found installed at ETP Inlet & Outlet.
- Average raw water consumption in the unit was 118.03 KLD (logbook from Dec 11, 2023-Jan 10, 2024) and DM water generation was 102.80 KLD which was being sent to ETP.
- As observed during visit, treated effluent from ETP outlet was being utilized in distillery process.
- Samples were collected from ETP Inlet and Outlet. Laboratory analysis results are mentioned below:

S. no.	Parameter	ETP Inlet	Equalization Tank	ETP Outlet
1.	pH	6.7	6.2	7.1
2,	BOD (mg/l)	1629	93	52
3.	COD (mg/l)	504	302	187
4.	TSS (mg/l)	161	161	145
5.	TDS (mg/l)	-	-	1152

Analysis result of the sample collected from outlet of ETP showed pH- 7.1, TSS - 145mg/l,
 COD - 187 mg/l and BOD - 52 mg/l and TDS-1152mg/l,

### Recommendations:

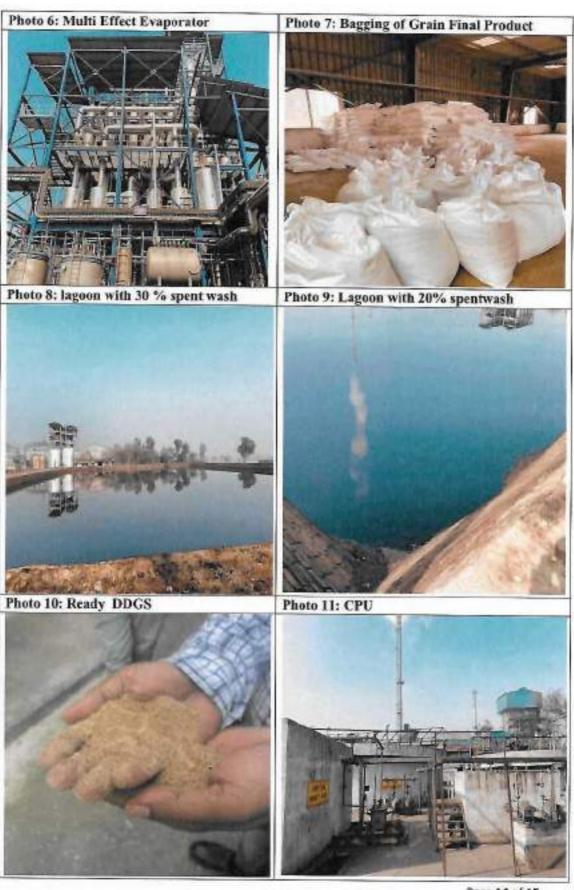
 As per CCA issued to the unit, the unit shall ensure reuse of the treated effluent of ETP installed at the bottling plant in process of distillery Plant of the unit. The unit shall comply with the condition mentioned in the CCA issued by UPPCB at all time.

1	nspection team det	ails:	W	
Sr. No.	CPCB officials	Designation	Organization	Signature
1.	Sh. C.B Chourasia	Sc.'E'	CPCB, Delhi	-84150°
2.	Sh. Vipin Kumar	RA-III	CPCB, Delhi	Spintmans -
3.	Dr. Vivek Rana	RA-I	CPCB, Delhi	Ware.
4.	Mr. Yagech Mistra	AEE	UPPCB.	
5.	Pushkar Siy	C C . I .	. UPGWD.	0

## PHOTOGRAPHS TAKEN DURING VISIT



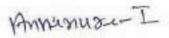
Page 13 of 15



Page 14 of 15



5. No.	Name of the Unit	Date of Inspection	Compliance Status
1	M/s Triveni Engineering & Industries Ltd. Alco Chemical Complex, Bhikki, Bilaspur, Jolly Road, Muzaffarnagar, U.P. – 251001 (Molasses unit)		Non-Complying
1	M/s Triveni Engineering & Industries Ltd. Alco Chemical Complex, Bhikki, Bilaspur, Jolly Road, Muzaffarnagar, U.P. – 251001 (Grain Unit)	17.01.2023	Complying
2	M/s Triveni Engineering & Industries Ltd. Alco Chemical Complex, Bhikki, Bilaspur, Jolly Road, Muzaffarnagar, U.P. – 251001 (Bottling Plant)	11,01.2023	Complying





### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720928,2720831, Fax:0522-2720764, Email: info@uppch.in, Website: www.appch.com

195486/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 12/12/2023

To,

M/s

TRIVENI ENGINEERING AND INDUSTRIES LTD ALCO CHEMICAL COMPLEX UNIT

Alco Chemical complex Unit-II Bhikki Bilaspur Jolly Road -Muzaffarnagar (UP), MUZAFFAR NAGAR, 251001 Application Id-23294510

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to TRIVENI ENGINEERING AND INDUSTRIES LTD ALCO CHEMICAL COMPLEX UNIT II located at Alco Chemical complex Unit-II Bhikki Bilaspur Jolly Road - Muzaffarnagar (UP), MUZAFFAR NAGAR, 251001. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:-

 This CCA TRIVENI ENGINEERING AND INDUSTRIES LTD ALCO CHEMICAL COMPLEX UNIT II granted for the period from 01/01/2024 to 31/12/2025 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	ENA/ABSOLUTE ALCOHOL/RS	60	Kilo Liters/Day
2	BY PRODUCTFUSEL OIL	1.20	Kilo Liters/Day
3.	BY PRODUCT: DDGS-27 MT/DAY	27.0	Kilo Liters/Day

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	5.0 KLD - SEPTIC TANK	Septic Tank	SEPTIC TANK
Industrial	ZLD	ETP	ZLD

(ii) Trade Effluent Treatment and Disposal: The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as

prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time :-

### Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	pН	AS PER E(P) RULES, 1986
2	BOD	AS PER E(P) RULES, 1986
3	COD	AS PER E(P) RULES, 1986
4	TOTAL SUSPENDED SOLIDS (TSS)	AS PER E(P) RULES, 1986
5	OIL AND GREASE	AS PER E(P) RULES, 1986

- (iv) Sewage Treatment and Disposal: The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- (v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No. Parameters		Standards			
1	pH	AS PER E(P) RULES, 1986			
2 BOD (mg/L)		AS PER E(P) RULES, 198			
3	TSS (mg/L)	AS PER E(P) RULES, 1986			
4 Fecal Coliform (MPN/100ml)		AS PER E(P) RULES, 198			

- 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-
- i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

#### Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	1 X 32 TPH Boiler with Wet Scrubber	Bagasse- 240 MT/Day (Only approved fuel is permitted as per the CAQM direction)	01	Particulate Matter	50 METER STACK HEIGHT FROM GROUND LEVEL

2	1 X 1000 KVA DG SET WITH ACOUSTIC ENCLOSU RE	PNG/Diesel (Only approved fuel be permitted as per CAQM Direction)	01	Sulphur Dioxide	AS PER E(P) RULES, 1986
3	1 X 500 KVA DG SET WITH ACOUSTIC ENCLOSU RE	PNG/Diesel (Only approved fuel be permitted as per CAQM Direction)	01	Sulphur Dioxide	AS PER E(P) RULES, 1986

### **Emmission Quality Standards**

S No.	Stack no	Parameters	Standards	
1	01	Particulate Matter	AS PER CAQM DIRECTION	
2	01	Sulphur Dioxide	AS PER CAQM DIRECTION	
3 01		Sulphur Dioxide	AS PER CAQM DIRECTION	

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

- (ii) The unit will not use any type of restricted fuel.
- iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:-

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

- 4. Essential documents to be submitted by the Industry/Unit as Applicable :-
- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upeep.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the

amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.

8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

#### General Conditions:-

- The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- Treated Industial waste water and domestic waste water shall be disposed jointly at one disposal point.
   The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
- 7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

#### Specific Conditions:-

- 1- This consent is valid for the production capacity of Extra Neutral Alcohol/Absolute Alcohol/Rectified Sprit- 60 KLD and By Product Fusel Oil-1.2 KL/DAY and DDGS-27 MT/DAY by using raw material Grain-132 MT/DAY only at site Bhikki Bilaspur, Jolly Road-Muzaffarnagar, PIN-251001, U.P.
- 2- The industry must complied the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- 3- No plant and machinery shall be installed in the industry without obtaining prior CTE from UPPCB.
- 4- This consent is valid only for Zero Liquid Discharge (ZLD). No effluent is allowed to discharge outside the factory premises.

  PRADEEP

SHARMA

- 5- Unit shall submit effluent/emission monitoring report of the ETP and stack of air polluting sources and ambient air monitoring of the premises done by MoEF&CC and UPPCB approved laboratory within 01 Month and on Quarterly basis to the Board.
- 6- In case of any change in production capacity, process, raw material use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 7- As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM.
- 8- Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 9- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 10- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 11- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 12- The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB, Bulandshahr on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 13-DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available' as one-time as per CAOM direction dated-16.12.2022.
- 14- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 15- The E.T.P. unit operation line up Strengthening is to be maintained.
- 16- The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 17- No effluent is allowed to discharge outside the factory premises.
- 18- Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
- 19- The industry shall strictly comply with conditions mentioned in the charter on CREP prepared by CPCB.
- 20- Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 21- Industry shall install PTZ camera at each strategic location such as MEE, effluent storage lagoon etc. for monitoring purpose. The URLs and password shall be provided to the Board.
- 22- Industry shall ensure the compliance of office memorandum dated 28.08.2019 issued by MoEF&CC, Govt. of India and detail of Fly ash disposal shall be submitted on quarterly basis to UPPCB.
- 23- The industry shall comply the conditions of NOC issued to unit by the UPGWD for abstraction of ground water.
- 24- The unit shall submit the audited balance sheet for the current year and the details of fees deposited during last three years within a month.

  PRADEEP

  PRADEEP

  PRADEEP

PRADEEP Distribusion by PRADEEP PRADEEP PRADEEP SHARMA Date: 2023-112-18-16-5-8-07

- 25. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 26- Industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 27- Industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- 28- The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
- 29- The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- 30- The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollulant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 31- If UPPCB or CPCB issues closure order against the industry, this consent shall remain suspended for the period till closure order is revoked, after which the consent will be effective again for the remaining period.
- 32- The storage capacity of the lagoons installed for more than 7 days holding capacity of the concentrated spent wash shall be dismantled within one months and progress submitted to the Board.
- 33- Bio Composting shall not be done in the industry. The spent wash generated from the industry shall be used completely in Decanter, MEE and Dryer. No effluent is allowed to discharge outside the factory premises.
- 34- All generate thin Slope shall be used in MEE and Dryer.
- 35- Any source of emission other than that mentioned in the consent seeking application will not be permitted by the Board.
- 36- The industry should ensure the operation of the air pollution control system (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P. Act 1986 as amended.
- 37- Industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P Rules 1986.
- 38- The industry shall operate as per norms 1 X 32 TPH Boiler with Wet Scrubber and 50 meter stack height as per norms. The industry shall operate 1 X 1000 KVA and 1 X 500 KVA DG sets with Acoustic Enclosure and stack height as per norms. Only approved fuel is permitted as per the CAQM direction.
- 39- The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 40- Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.
- 41- The unit shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section-21/22 of air Act 1981 (as amended respectively).
- 42- The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 43- In compliance with the Hon'ble Supreme Court order passed in W.P. (civil) No. 13029/1985 M.C. Mehta Vs. Union of India and ors. the use of Pet coke and furnace oil is prohibited.
- 44- The unit shall submit the point wise compliance report of the conditions imposed in the CTE issued by the Board to the industry within a month.
- 45- The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order.
- 46- Proper dust control measures shall be taken during construction and provisions of Construction and

Demolition Waste Management Rules 2016 shall be effectively implemented and submit report to Board.

47- The industry shall establish Miyawaki forest inside the factory premises and outside the premises in sufficient area the treated effluent from the ETP shall be used for forestation/irrigation within premises.

48- Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

PRADEEP SHARMA SHARMA (New 2003) 2:18 18:58:58 + 06:307

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA
Date: 107201

PRADEEP SHARMA
Date: 107201

Chief Environmental Officer (Circle 3)



## GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

VALID UP TO: 17/08/2026

Registration No.: 20	02107000696		
Name of the Owner	TRIVENIENGINEERINGINDUSTRIESLTD DISTILLERY UNITI		
Address of the Applicant	Triveni Engineering and Industries Ltd unit I- Alco Chemical complex Bhilds Bilaspur Jolly Road Muzaffamagar UP	Application Form Serial No.	MZFN0721RIN004
Date of Submission	23/07/2021	Specimen Signature	
Company Name	Triveni Engg. and Ind. Ltd	Company Address	Alko chemical Complex VIII- Bhki Bilaspur Po- Muz
NOC issued By: अनापत्ति प्रमाण पत्र (द्वारा वि	नेर्गंत)		
Central Ground Water / केन्द्रीय भूगर्भ जल प्राधिकर	Authority =		Yes
Certificate Number प्रमाणपत्र संख्या	CGWA/NOC/IND/ORIG/2017/2717	issue Date निर्गमन तिथि	31/08/2017
Expiry Date अतिम तिथि	16/08/2019		
Ground Water Departm भूगर्भ जत विभाग उत्तर प्रदे	ent Uttar Pradesh या सरकार		No
Location Particulars			
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	NA .	Municipality/Corporation	No
Ward No./Holding No.			NA
Particular of the Exi	sting Well and Pumping Device		
Date of Construction/Sinking of the Well	06/11/2006		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	100,00
urpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For T	ube Well)		
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawal (m3/hr.)	150.00
Date of Energization (In	Case of Electric Pump)	17/11/2006	



Maximum Allowable Rate of Withdrawal (m3/hr.):	150.00	Maximum Allowable Running Hours Per Day:	4.00
Maximum Allowable An	nual Extraction of Ground Water:		219000
Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण	Mandatory as per Gov. Rules		
Against Case			

This No-Objection cartificate authorizes the owner applicant (user) to sink a well in the location specified at St. (3) for extraction of ground water at a rate not exceeding that as shown at St. (3)), for running hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

Place:

Darte:

Yours Faithfully, Signature of the Issuing Authority and Designation

### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall attix digital water flow
  meters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of
  extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the motor has been extracted by the said
  user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the
  recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (E) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as incicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) it case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of three years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Plezometer is a borewell flube well used only for measuring the water level by lowering the tape/ sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC:
- The plezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water aquifor monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

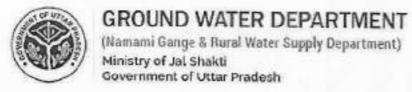
S.No	Quantum of Ground water withdrawal (cum/day)	No of piezometers required	Mo	nibining Mechanism
7860130K -		rivor prozontoleta reguldo	Manual	DWLR with Telemetry
4:	< 10	0	0	0
2	11 - 50	1	1	0
3	50-500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimals.
- For mossurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.

- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Utter Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt. capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken cere off.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- (13) Any other condition imposed by the concerned Authority
- . SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions;
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- i) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation
  of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified
  auditors and submit audit reports within three months of completion of the same to CGV/A. All such industries shall be required to reduce
  their ground water use by at least 20% over the next three years through appropriate means.
- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring
  machanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3/day
  of ground water and. Monitoring of water level shall be done by the project proponent. The plezometer (observation well) shall be
  constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be
  the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises, industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure
  prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- ii) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering
  discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring
  records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
  Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनामति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावतीकन के उद्देश्य से प्रयोग किया जाना चाहिए।

### 800 Application Form



### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

VALID UP TO: 18/08/2026

Registration No.: 20	A 101 000033		
Name of the Owner	TRIVENIENGINEERINGINDUSTRIESLTD DISTILLERY UNITI		
Address of the Applicant	Triveni Engineering and Industries Ltd unit I- Alco Chemical complex Bhikki Bilaspur Jolly Road Muzaffarnagar UP	Application Form Serial No.	MZFN0721RIN004
Date of Submission	23/07/2021	Specimen Signature	
Company Name	Triveri Engg. and Ind. Ltd	Company Address	Alko chemical Complex VIII- Bhiki Bilaspur Po- Muz
NOC Issued By: अनापत्ति प्रमाण पत्र (द्वारा नि	नेर्गत)		
Central Ground Water A केन्द्रीय भूगर्भ जल प्राधिकर	Authority of		Yes
Certificate Number प्रमाणपत्र संख्या	CGWANOCHND/ORIG/2017/2717	Issue Date निर्गमन तिथि	31/08/2017
Expiry Date अंतिम तिथि	16/08/2019		
Ground Water Departm भूगर्भ जन विभाग उत्तर प्रदे	ent Uttar Pradesh प सरकार		No
Location Particulars			
District	Muzaffar Nagar	Block	MUZAFFARNAGAI
Plot No./Khasra No.	NA.	Municipality/Corporation	No
Ward No./Holding No.			NA
Particular of the Exi	sting Well and Pumping Device		
Date of Construction/Sinking of the Well	08/11/2006		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	100.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For T	ube Well)		
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawal (m3/hr.)	150.00
	Case of Electric Pump)	09/11/2006	

802 20 Situation Form

Maximum Allowable Rate of Withdrawal (m3/hr.):	150.00	Maximum Allowable Running Hours Per Day:	4.00
Maximum Allowable An	nual Extraction of Ground Water:		219000
Reason for renewal of N.O.C. एन.ओ.सी. के नदीनीकरण का कारण	Mandatory as per norms		
Against Case	74		

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (3) for extraction of ground water at a rate not exceeding that as shown at St. (3)), for running hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

Place:

Date

Yours Faithfully, Signature of the Issuing Authority and Designation

### Conditions

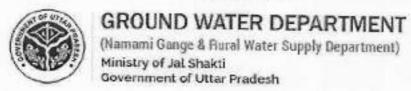
- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this pertificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  meters(conforming to BIS/15 standards) having telemetry system in the abstraction structure, which record rate and quantum of
  extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said
  user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the
  recorded rate from water meters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of three years from the date of issue. The applicant shall have to
  apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and
  zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders
  shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Prezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or eutomatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC:
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the second plezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No	Quantum of Ground water withdrawal (cum/day)	No.of plezometers required	Mo	nitring Mechanism
		Course processing a toque ou	Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50-500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.

- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Utter Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved tab. Besides, one sample (1 it. capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chamical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care off.
- . (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for carcellation.
- . (13) Any other condition imposed by the concerned Authority
- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- I) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation
  of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified
  auditors and submit audit reports within three months of completion of the same to CGV/A. All such industries shall be required to reduce
  their ground water use by at least 20% over the next three years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3/day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquiter zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmacautical, dyes, pigments, paints, textiles, tannery, posticides/ insecticides, fertilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure
  prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering
  discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring
  records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
  Management Council.
- II) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावतीकन के उद्देश्य से प्रयोग किया जाना चाहिए।



### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

VALID UP TO: 17/08/2026

Registration No.: 20	02107000695		
Name of the Owner	TRIVENIENGINEERINGINDUSTRIESLTD DISTILLERY UNITI		
Address of the Applicant	Triveni Engineering and Industries Ltd unit I- Alco Chemical complex Bhikki Bilaspur Jolly Road Muzaffamagar UP	Application Form Serial No.	MZFN0721RIN003
Date of Submission	23/07/2021	Specimen Signature	
Company Name	Triveni Engg. and Ind. Ltd	Company Address	Alko chemical Complex VIII- Bhki Bilaspur Distt-
NOC Issued By: अनापत्ति प्रमाण पत्र (द्वारा वि	नेर्गत)		
Central Ground Water / केन्द्रीय भूगर्भ जल प्राधिकर	Authority up		Yes
Certificate Number प्रमाणपत्र संख्या	CGWANDC/IND/ORIG/2017/2717	lasue Date निर्मान तिथि	31/08/2017
Expiry Date अंतिम विधि	16/08/2019		
Ground Water Departm भूगर्भ जल विभाग उत्तर प्रदे	ent Uttar Pradesh श सरकार		No
Location Particulars			
District	Muzaffer Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	NA:	Municipality/Corporation	No
Nard No./Holding No.			NA
Particular of the Exi	sting Well and Pumping Device		
Date of Construction/Sinking of the Well	08/09/2006		
Type of Well	Tube Well/Boring	Depth of the Well (in meter)	100.00
erpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For T	ube Well)		
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electria Motor	Rate of Withdrawal (m3/hr.)	150.00
Date of Energization (In	Case of Electric Pump)	07/09/2006	

8165 Delication Form

Maximum Allowable Rate of Withdrawal (m3lhr.):	150.00	Maximum Allowable Running Hours Per Day:	4.00
Maximum Allowable An	nual Extraction of Ground Water:		219000
Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण	Mandatory as per Gov. Rules		
Against Case			

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (3) for extraction of ground water at a rate not exceeding that as shown at St. (3), for running hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

Place:

Date:

Yours Fathfully, Signature of the Issuing Authority and Designation

### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  maters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of
  extraction, at cutlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said
  user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the
  recorded rate from water meters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) in case, any of the perticulars I information furnished by the applicant in his application for issuence of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of three years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and
  zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders
  shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Prezometer is a borewell (tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC:
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the second piezometer should moritor the shallow ground water regime. It will facilitate shallow as well as
  occupier ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.Na	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Mo	nitiring Mechanism
		Traces proceedings required	Manual	DWLR with Telemetry
3	<10	0	0	0
2	11 - 50	1	1	0
3	50-500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.

- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Predesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it. capacity bottle) to the concerned Director,
  Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care off.
- . (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- (13) Any other condition imposed by the concerned Authority
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- It is a construction to the control of
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- Iii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation
  of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified
  auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce
  their ground water use by at least 20% over the next three years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring
  mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3/day
  of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be
  constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be
  the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Weter Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of downtering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापत्ति प्रमाणवत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्ववितीकन के उद्देश्य से प्रयोग किया जाना चाहिए।

aboutblank

## GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO; NOC011700
VALID FROM 02/03/2021 TO 01/03/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202101000385

817

Name of the Owner	TRIVENIENGINEERINGINDUSTRIESLTD DISTILLERY UNITII		
Designation 44	Manager	Company Name कंपनी का नाम	Triveni Engg.& Ind.Itd Alcko Chemical complex II
Company Address कंपनी का पता	Witage Bhibi Bilaspur Distt. Muzafarnagar	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Triveni Engineering and Industries Ltd unit II - Aloo Chemical complex Bhikki Bilaspur Jolly Road Muzaffamagar UP	Application No.	MZFN0121NIN0011
Date of Submission	20/01/2021	Specimen Signature	
Location Particulars			
District	Muzzaffar Nagar	Block	Municipal Corporation/Nagar Palika Parishad, Muxaflar Nagar
Plot No./Khasra No.		Muricipality/Corporation NA	NA

Ward No./Holding No.			NA	
of the Proposed Wel	Particular of the Proposed Well and Pumping Device			
Date of Construction/Sinking of the Well	28/02/2021			
Type of Well	Tube WellBoring	Depth of the Well (In meter)	130,00	
Purpose of well	Industrial	Assembly Size(For Tube Well)		
Strainer Position (For Tube Well)				
Type of Pump Used	Submersible	H.P. of the Pump	40.00	
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	150.00	
Date of Energization (in Case of Electric Pump)	ic Pump)	10/03/2021		
Maximum Allowable Rate of Withdrawal (m³/hr.):	150.00	Maximum Allowable Running Hoars Per Day:	4.00	0
Maximum Allowable Annual Extraction of Ground Water:	219000	Recharge Required	219000.00	18

BV1/23, 7:44 PM

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SL (2) for extraction of ground water at a rate not exceeding thet as shown at SL (3), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated eventoes.

Holder of this NOC is hereby directed to assure annual recharge of 219000.00 cubic maler, as specified under the application form within the given time period.

### GENERAL CONDITIONS:

Holder of this NOC is harsby directed to fill from 1(A) for registering his/her well within 90 days as manioned in application form shall only started after registration of his/her NOC.

In case of any change of ownership of the proposed well, fresh authorization has to be obtained.

All Users abstracting ground water in excess of 180 m3/4 shall be required to submit impact essensant report prepared by an accredited consultant from CBWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence etc. within three months of completion of the same to Ground Water Department Uttar Pradesh. The fist of accredited Individuals/ Institutions is available on the official wab-portal of CGWA.

abstraction structure, which record rate and quantum of extraction, at guillet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the For the purpose of messuring and recording the quantity of ground water extracted, every said user shall aftir digital water flow maters (conforming to BIS/ IS standards) having telemeby system in the contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters

The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands

In case of any change of awnership of the existing well, fresh registration has to be obtained.

No change of location, design, rate of withdrawal and pumping davice in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this negistration

In case, any of the particulars I information furnished by the application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is

The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of

Construction of piezomaters and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on mouthly besis

Quidelines for Installation of Piezometers and their Monitoring

Plezometer is a borewell fubbowell used only for measuring the water level by lowering the tape' sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of prezometers are as follows: The piezameter is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezameter should be about 4"

The depth of the plezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one plezometers are installed the second plezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.

No. of plazometers to be constructed & Type of water level monitoxing mechanism shall be as per below table;

S.No	Quantum of Ground water withdrawel framiday)	Min of minoromodoms and items	2	forritring Mechanism.
		Douglas e series reprint accou	Manual	DWLR with Telematr
	< 10	0	0	9
	11 - 50	-	-	0
	50-500		0	-

器

N

8/1/23, 7.44 P.M.

- For measurement of water level scunder or automatic water level necessar (AWLR) Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
  - The measurement of water lavel in plazometer should be taken, only effer the pumping from the surrounding tuba walls has been stapped for about four to six hours
- All the details reparding coordinates, reduced level (with respect to mean level), depth, zone laped and assembly lowered should be provided for bringing the piezameter into the Hydrograph Manitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be get analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
  - A Permanent display board should be installed at plezometer/Tube wells site for providing the location, plezometer/ tube well number, dopth and zone tapped of plezometer/fube well for standard referencing and identification.
- Any other site specific requirement regarding selety and access for measurement may be taken care of.
  - Any other condition(s) that may be imposed by the concerned Authority,
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this pennit is found to be incorrect during verification at any subsequent stage, this pennit is flable for cancellation

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
  - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>2</sup>ld shall be required to undertake annual water audit through Confederation of Indian Indian Chamber of Commerce and Industry (FICCI) National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyag Bharati certified auditors and submit audit reports within three menths of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the plezometer shall be the same as that of the pumping well' wells, Monthly water level data shall be submitted Industries drawing/ proposing to draw more than 10 m3/day of ground water and. Maniboring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a IV) Construction of observation well(s) (prezomptor)(s) within the premises and installation of appropriate water level monitoring machanism as mantioned in General Condition no.10 shall be mandatory for online to the Ground Water Department, UP,
- v) The proponent shall be required to adopt roof top rain water harvesting/ necharge in the project premises, Industries which are likely to pollute ground water (chemical, pharmaceutical, dives, pigments, paints, textiles, tannary, posticides/insecticides, fertilizers, staughter house, explosives etc.) shall store the harvasted rain water in surface starage tanks for use in the industry.
  - vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vt) Industries which are likely to cause ground water pollution e.g. Tanning. Staughter Houses. Dye, Chemical Petrochemical, Cost wasteries, other hazardous units etc. (as per CPCB tat) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- . If in case of infrastructure projects that require deviatering, proponent shall be required to carry out regular monitoring of deviatering discharge rate (using a digital water flow meter) and submit the data critine to Ground Water Department, UP as applicable. Monitoring records and results should be ratained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sevege Treatment Plants (STP) shall be mandatory for now projects, where ground water requirement is more than 20 m3/day. The water from STP shall be utilized for toiler flushing, car washing, gardening etc.

### Date :02/11/2022

### Place:Muzaffar Nagar

# This certificate is electronically generated and does not require digital signature



### GROUND WATER DEPARTMENT

(Namerri Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC017024 VALID FROM 02/03/2021 TO 01/03/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202101000387

Name of the Owner	TRIVENIENGINEERINGINDUSTRIESLTD DISTILLERY UNIT!!		
Designation UZ	Manager	Company Name कंपनी का नाम	Triveni Engg. & and Md Aloko Chemical complex
Company Address कंपनी का पता	Willage Bhikii Bilaspur Disil. Muzafarnegar	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Triversi Engineering and Industries Ltd unit II - Alco Chemical complex Bhikle Bilespur Jolly Road Muzaflamagar UP	Application No.	MZFN0121NIN0012
Date of Submission	20/01/2021	Specimen Signature	
Location Particulars			
District	Muzalter Neger	ВІОСК	Municipal Corporation/Nagar Palike Parishad, Muzaffar Neger
Plot No/Khasra No.		Municipality/Corporation NA	NA A

Ward No./Holding No.			NA	
Particular of the Proposed Well and Pumping Device	I and Pumping Device			
Date of Construction/Sinking of the Well	28/03/2021			
Type of Well	Tubs Well/Boring	Depth of the Well (in meter)	130.00	
Purpose of well	Industrial	Assembly Size(For Tube Well)		6
Strainer Position (For Tube Well)				
Type of Pump Used	Submersible	H.P. of the Pump	40.00	
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	150.00	
Date of Energization (In Case of Electric Pump)	Info Pump)	23/03/2021		
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	150.00	Maximum Allowable Running Hours Per Day:	4.00	82
Maximum Allowable Annual Extraction of Ground Water:	219000	Recharge Required	219000.00	23

aboutblank

8/1/23, 7.45 PM

The No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at 81. (2) for extraction of ground water at a rate not exceeding that as shown at \$1. (3), for Running Hours per day as shown at S1. (3k), and for maximum allowable annual extraction of ground water as shown at S1. (3k) and is valid subject to the observance of the conditions stated everleaf.

aboutblank

Holder of this NOC is haraby directed to assure annual recharge of 219000.00 rubid motor, as specified under the application form within the given time period.

### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to till from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
  - In case of any change of ownership of the proposed well, fresh authorization has to be obtained
- All Users abstracting ground water in excess of 100 m3/d shall be required to submit impact assessment report prepared by an accredited consultant from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to evercome any significant environmental issues such as ground water level decline, land Subsidence etc. within three months of completion of the same to Ground Water Department Utar Predesh. The list of accredited Individuals/ Institutions is available on the official web-ported of CGWA.

For this purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having belometry system in the

- Bib Factor structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contany is proved. The rate of extraction of ground water from the well shall not exceed in the recorded rate from water meters
  - The concerned Authority reserves the right to stop extraction of ground weller from the well due to quality hazards or any other respons. If the situation so demands
    - In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No charge of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incomed during verification at any subsequent stage. This registration is
- The Certificate of Authorization? NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewel through a fresh application, at least riviety days prior to expriy of
  - Controvation of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometers and installation of digital water level recorders with their of the pumping well. The data, obtained from digital water level recorders shall be made available to this office an monthly basis
    - Guidelines for Installation of Piczometers and their Monitoring

Pleadmeter is a borewell fused only for measuring the water level by lowering the taper sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is bang withdrawn. The diameter of the piezometer should be about 4"
- The depth of the pleasometer should be seme as is case of the pumping wall from which ground water is being abstracted. If, more than one prezometers are installed the second pleasometer should monitor the shallow ground water regime, it will facilitate shallow as well as deeper ground water aquifor monitoring.
  - No. of piezometers to be constructed & Type of water level monitoring machanism shall be as per below table:

3	Management of the State of the	4	Acciditing Mechanism
Common of Ground Water Williams (Currenty)	No.or pseconseers required	Manual	DWLR with Telemetry
610	0	0	0
11 - 30	-	-	0
20- 200	-	0	-

器

8/1/23, 7 x/5 PM

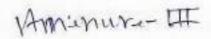
aboutblank

- C4
- For measurement of water lavel sounder or eutomotic weter level recorder (AWLR)' Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy. The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter upto two decimal.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to aix hours.
- All the details regarding coordinates, induced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezameter into the Hydrograph Monitoring System for Ground Water Department, Utter Pradesh, and for its validation.
- The ground water quality has to be manitored twice in a year during pre-moresoon (May/June) and post-moresoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
  - A Permanent display board should be installed at piczometer/Tube wells site for providing the location, piezometer tube well number, depth and zone tapped of piczometer/tube well for standard referencing and identification,
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other candillon(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is table for can cellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industrials shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
  - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>3</sup>kd shall be required to undertake annual water audit through Confederation of Indian Industries (City/ Federation Indian Chember of Commerce and Industry (FICCI)/ National ProductMty Council (NPC)/ PHD Chamber of Commence & Industries / Laghu Udyag Bharati cardified auditors and submit audit reports within three months of completion of the same to Gound Water Department Uttar Pradesh, All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- minimum distance of 50 m from the bore welfproduction well. Depth and equiller zone tapped in the prezometer shall be the same as that of the pumping well? wells. Monthly water level data shall be submitted industries drawingr proposing to draw more than 10 m2 iday of ground water and. Maniforing of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a W. Construction of observation well(s) (prezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for orline to the Ground Water Department, UP,
- v) The proponent shall be required to exiot roof top rain water harvesting/ recharge in the project premises, Industries which are likely to pollute ground water (chemical, pharmaceutical, dives, pigments, paints, textine, termen, pesticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
  - vi) Injection of treated/ unfrested waste water into aquitar system is strictly prohibited.
- · vt) Industries which are itealy to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemicall Petrochamical, Coal washaries, other hazardous units etc. (as per CPCB fiel) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- I) in case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data contine to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>2</sup> (day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

### Date: 02/11/2022

### Placo:Muzaffar Nagar

# This certificate is electronically generated and does not require digital signature





### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 13124/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2020

Dated:10/01/2021

To.

M/s TRIVENI ENGINEERING AND INDUSTRIES LTD ALCO CHEMICAL COMPLEX

Village - Bhikki Bilaspur, Jolly Road, Muzaffarnagar

Tehsil:MuzaffarNagar

District : MUZAFFARNAGAR

Sub: - Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 13124 and 10/01/2021.
- 2. Reference of application (No. and date) 9490821 and 13/10/2020.
- Mr TRIVENIENGINEERINGINDUSTRIESLTD DISTILLERY UNIT of M/s TRIVENI ENGINEERING AND INDUSTRIES LTD ALCO CHEMICAL COMPLEX is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at within premises.

### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules LII and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule-I, Cat. 5.1 Used or spent oil	Through TSDF	1.2 KL/Annum
2	Schedule-I, Cat. 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Through TSDF	0.2 Ton/Annum
3	Schedule-I, Cat. 33.2 Contaminated cotton rags or other cleaning materials	Through TSDF	0.1 Ton/Annum

- The authorization shall be valid for a period of 09/01/2026 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.

- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year .
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 4. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.

- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter.You should also maintain records on Form-3 and present it to Board's inspecting officials.
- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 7. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 8. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 9. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 11. It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 12. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 13. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 14. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 15. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 16. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 17. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 18. Ground water monitoring report of premises shall be submitted within one month,
- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

( Authorized Signatory )

Nishi Kumar Chauhan

Olgitully signed by Nish Kumar Chauhan Dite: 2021.01.13 1241:02 +05/30

### 829

### UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Muzaffarnagar for Information and Nishi Kumar Chauhan Ch necessary action .

CEO/EE, I/C Circle\_

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

A. General section

Date of inspection: 12.01.2024

1.	Name of the unit with complete postal address:	M/s Agarwal Duplex Board Mills Ltd. 4th Km. Bhopa Road, Muzaffarnagar(U.P.)
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.472293, 77.739086
3.	Industry Operational status	Operational
4.	Consent status	Air Consent dated 27.12.2019 under ref no.: 67646/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2019 and valid from 01.01.2020to 31.12.2024 Enclosed as Annexure I Water Consent dated 27.12.2019 under ref no.: 67645/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/water/MUZAFFARNAGAR/2019 and valid from 01.01.2020 to 31.12.2024 Enclosed as Annexure II

5.	Process	Manufacturing of Duplex Board& MG Poster Paper by using waste			
6.	Raw material	paper(Indian & imported)			
	Actual consumption     (as per logbook)	14,558 MT (Indian- 10,633.998 MT+ Imported- 3,924.002 MT) (from 01st October, 2023 to 31st December, 2023)			
	b. Avg. daily consumption	165.43 MT/day			
7.	Production				
	a. Consented value	160 MT/day (Duplex Board/ MG Poster Paper/Kraft Paper)			
	b. Actual Production (as per logbook)	12,885,6086 MT (MG Poster paper- 1,364,617 MT + Duplex Board 11,520,9916 MT)(from 01" October, 2023 to 31st December, 2023)			
	c. Avg. daily production	146,43 MT/day			
	d. Yield (%)	88.51 % of raw material			
	e. Non-paper waste production	11.49 % of raw material i.e. 19 MT/day			
8.	Fresh water consumption				
	a. Details of borewell	Two borewells with flow meter found installed			
	<ul> <li>NOC from CGWA/other authorized body</li> </ul>	NOC for both borewells from Ground Water Department, Ministry of Ja Shakti, Government of Uttar Pradesh under Registration no 202103000043 & 202103000095 and same are valid till 13.03.2026 Enclosed as Annexure III			
	c. Permitted withdrawal guantity	1980 KLD			
	d. Actual withdrawal quantity	1,04,584 KL (from 01* October, 2023 to 31* December, 2023)			
	e. Avg. daily withdrawal quantity	1,188.46 KLD			
	f. Specific fresh water consumption	8.12 KL/MT of product			
	g. Piezometric well	02 with telemetry			
9.	Effluent Management				
	a. Consented discharge value	800 KLD			
	b. Actual effluent generation	1,80,119 KL (from 01° October, 2023 to 31° December, 2023)			
	c. Avg. daily effluent generation	2,046.81 KLD			
	d. Specific effluent generation	13.98 KL/MT of product			
	e. Actual effluent discharge (as per V-Notch logbook)	52669.8144 KL (from 01st October, 2023 to 31st December, 2023)			
	f. Avg. daily effluent discharge	598.52 KLD			

-1	g. Specific effluen		4.09 KL/MT of product					
	<ul> <li>Actual recycling effluent within </li> </ul>		Partially treated (from Sedicell	1,446.625 KLD (avg. from 01 <sup>st</sup> Oc December, 2023)	tober, 2023 to 31			
			Sludge (from Primary Clarifier)	No data available du flow meter at rec process.	ie to unavailability o ycle sludge line t			
			Treated effluent (From ETP outlet)					
1			Total recycled 1,446.625 KLD 9.88 KL/MT of product					
1	<ol> <li>Specific effluent</li> </ol>	t recycle						
	j. Losses in ETP %	6	1.665 KLD ≈ 0.08 % (of total effluent generation) against 2-3% in form of moisture in generated sludge.					
	Effluent treatme	nt plant (ET	P)	Joge.				
ł								
	b. Installed capacity		Equalization Tank→Thikn Tank→Secondary Clarifier- before filtration)→PSF & Mo	er→Sedicell→ Primary →Hill screen (for remov	<ul> <li>Clarifler→Aerational of floating particle</li> </ul>			
Ì			Equalization Tank- 135 m <sup>3</sup>	31				
			Sedicell- 250 m <sup>3</sup> /hr Primary Clarifier- 12.65m ( Aeration Tank- 35.7m × 11	$.3m \times 4.5m = 1815 m^3$				
ŀ	c. Metering at ET	D	Secondary Clarifler- 16m (6		a) × 4m (depth) = 804 m <sup>3</sup> /hr Yes, logbook maintained			
1	c. Metering at ETP		Effluent generation					
			Partially treated Recycling point	Yes, logbook maintair	ned :			
			Primary sludge recycle to process	No flowmeter installe	d			
			Effluent Discharge Yes, logbook maintained on the basis V-notch reading, However, ultraso flowmeter without totalizer was installed at ETP outlet.					
I	d. Operational status of ETP		Operational Installed at ETP outlet.					
ı	100		Flow at inlet: 81 m³/hr.  MLVSS/MLSS in aeration tank: 1349/1960= 0.69 (against 0.6 to 0.8)  OCEMS was found installed at outlet of ETP & connected with CPCB & SPCB servers.  Flow- 21.39 m³/hr, pH-7.55, BOD- 12.61 mg/L, COD- 114.05 mg/L and TSS- 18.88 mg/L					
	e. OCEMS at ETP	outlet						
Ī	f. OCEMS value							
	Effluent Charact	eristics	199 10,00 mg/L					
ŀ	Parameters	ETP inlet	ETP outlet 1	Norms as per consent	Compliance w.r.t.			
				as per Boards Norms)	consent			
E	pH	6.3	6.9	7.0-8.5	Non-Comply			
L	Color (Hazen)	05	BDL					
	BOD (mg/l)	1296	45	30	Non-Comply			
L	COD (mg/l)	3936	190	350	Comply			
L	TSS (mg/l)	2835	18	500 Comply				
L	TDS (mg/l)	4924	2252					
	SAR (mg/l)	-	06		-			
	AOX (mg/l) -		0.72 (0.003 kg/T of product)	1.5 kg/T of product	Comply			
1	Sulphide (mg/l)	-	2.4		-			
-	Oil & Grease (mg/l)		BOL	=	-			
-		5\$- 1960 mg	/I; MLVSS- 1349 mg/l; TDS- 25	96 mg/l				
Т			NAMES OF STREET OF STREET OF STREET STREET, STREET STREET, STREET STREET, STRE	100 / 100 TWO 1				
ı								

	(as per logbook)	unit,					
	<ul> <li>Daily sludge generation</li> </ul>	Logbook not provided					
	c. Estimated sludge generation @ 30 % of inlet TSS load	1.74 T/day (against 1.19% of product)					
	d. Sludge Management & disposal	Sludge generated from ETP is sent to sun dry board manufacturers.					
11.		ement (Plastic waste)					
	a. Non-paper solid waste generated (as per logbook)	130.46 MT (from October, 2023 to December, 2023). Plastic waste supplied to M/s Silvertoan Paper Ltd. for further disposal and (tax invoice along with disposal certificate are provided by unit)					
	b. Avg. Daily waste generation	1.48 MT/day					
	<ul> <li>Specific Non-paper solid waste generation</li> </ul>	1.01% of product					
	<ul> <li>d. Potential solid waste generation @3.5 % of paper</li> </ul>	5.13 MT/Day (estimated) against 1.48 MT/Day (as per logbook) Actual non-paper solid waste (plastic waste) generation is much lower than the estimated value indicate poor record keeping of plastic waste generation & disposal.					
12.	Air Pollution management						
	a. Boiler capacity	25 TPH					
	b. Stack details	Stack Height -47 m					
	c. APCD installed	Electrostatic precipitator (ESP)					
	<ul> <li>d. Estimated steam requirement</li> <li>1.8 T/T of paper produce</li> </ul>	263.574 T/day					
	e. Name of the Fuel used	Paddy husk, Coal & Bagasse					
	f. Fuel consumption (as per logbook)	Paddy Husk Coal Bagasse (MT) (MT) (MT)					
		152.925 6,051.21 4,635.015  Total Fuel=10,849.15 MT (from 01# October, 2023 to 31# December, 2023)					
	g. Avg. Daily fuel consumption	123.29 MT/day					
	h. Avg. Daily ash generation	2.125 MT/day					
	i. Ash generation w.r.t of fuel consumed (%)	(avg. from 01st October, 2023 to 31st December, 2023) 1.72%					
	<ol> <li>Estimated ash generation</li> </ol>	22.50 MT/day					
	k. Disposal of ash generated	Ash generated from the unit was being disposed off in low lying land by Gram Pradhan, Mouja- Moti, Panchayat- Tigri, Devband, Saharanpur.					
	I. Remarks	Actual fly ash generation (2.125 MT/day) is much less than the estimated value of fly ash generation (22.50 MT/day) indicate that logbook is no maintained properly.					
	m.Stack Monitoring report	PM-32.5 mg/Nm <sup>3</sup> (against 80 mg/Nm <sup>3</sup> )					
3.	Hazardous waste management	ing					
	Authorization status	Authorization granted under ref. no 19184/UPPCB/Muzaffarnagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022 dated 27.02.2023 and valid till 26.02.2028, Enclosed as Annexure IV					
	Tecyclers / Faur	Available with Sheetala Waste Management Project, Sikandrabad, Bulandshahr					
	Hazardous waste generated	Cotton Waste- 09 Kg, Waste oil- 43 ltr. & Waste grease- 46 Kg and Used empty container- 22 Kg (as per last form 10)					
4.	Ground water Analysis results	(Borewell within the premises)					

Parameters	pH	Color	COD	TDS	Total Hardness	Total Alkalinity	CI.	504	F	NO3-N
Acceptable limit(BIS IS 10500:2012)	6.5- 8.5	05		500	200	200	250	200	01	45
Results	7.8	BOL	BDL	254	298	268	16	05	0.56	BDL
Parameters	NO <sub>2</sub> -	Na+	K+	Ca	Mg	PO <sub>4</sub> 3-	Cond.	As	Cd	Co
Acceptable limit (BIS IS 10500:2012)		*		75	30	*	-	0.01	0.003	-
Results	BDL	15	06	80	24	0.09	484	BDL	BDL	BDL
Parameters	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	V	Zn
Acceptable limit (BIS IS 10500:2012)	0.05	0.05	0.3	0,1	0.02	0.01	1	0.01		05
Results	BDL	BDL	0.02	0.05	BDL	BDL	BDL	BDL	BDL	0.01

\*All parameters are in mg/l except pH & Color (Hazen).

### 15. Major observation & Key issues

### Observation:

- Unit is non-complying w.r.t. consented discharge norms (notified by MOEF&CC) for pH (6.9 against 7.0-8.5) &BOD (45 mg/l against 30 mg/l).
- b. Unit has agreement with M/s Sheetala Waste Management Project for management of the Hazardous waste generated from process.
- Unit has agreement with M/s Silvertoan Paper Ltd. which have installed waste to energy boiler for disposal of Plastic waste/screenings.
- d. Actual fly ash generation (2.125 MT/day) is much less than the estimated value of fly ash generation (22.50 MT/day) indicate that logbook is not maintained properly.
- Plastic waste generation was only 1.48 MT/day, which is much less than the estimated plastic waste generation of 5.13 MT/day, indicating proper logbook is not maintained.
- f. Unit is extracting groundwater from one borewell more than the permissible limit given by the UPGWD. However, overall withdrawal from both borewells were within limit (combined).

### Key Issue:

- Unit is non-complying w.r.t. consented discharge norms (notified by MOEF&CC) for BOD (45 mg/l #gainst 30 mg/l).
- b. Logbook for boiler ash generation & disposal is not maintained properly.
- c. Logbook for Sludge generation & disposal was not maintained by the unit.
- d. Logbook of Borewell and ETP inlet was not maintain properly, showing multiple data entry errors.

### 16. Compliance Status: Unit is Non-complying w.r.t. consented discharge norms

### 17. Recommendations:

- a. The operation &maintenance of ETP should be improved to meet the discharge norms.
- b. Unit shall maintain all logbooks properly with correct entries.
- c. Unit shall not exceed the groundwater withdrawal than the permissible limit.
- d. Unit shall maintain logbook for generation & disposal of boiler ash and plastic waste properly.

Insp	ection team details:			
S. No.	MoEF&CC/CPCB officials	Designation	Organization	Signature
1.	Dr. R K Singh	Scientist 'D'	CPCB	OHLINGE
2,	Sh. Imran Ali	Asst. Environment Engineer	RO, UPPCB, Muzaffarnagar	Of
3.	Sh. Ashish Kumar	Hydrologist	UPGWD	0
4.	Ms. Shivangi Goswami	Research Associate-II	CPCB	(Bylinang):
5.	Sh. Ankit Shukla	Senior Research Fellow	CPC8	Anes
6.	Sh. Muktesh Chaudhari	Senior Research Fellow	CPCB	

### Photographs



Page 6 of 7





### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fac:0522-2720764, Email: info@uppsb.in, Website; www.uppcb.com

201529/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2024

Date: 27/02/2024

To.

M/sAGARWAL DUPLEX BOARD MILLS LTD

4th Km Stone, Bhopa Road, Muzaffarnagar (U.P.), MUZAFFARNAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

### Application no. 24544944

Date :- 2024-01-23

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s AGARWAL DUPLEX BOARD MILLS LTD located at 4th Km Stone, Bhopa Road, Muzaffarnagar (U.P.), MUZAFFARNAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:

- 1.1 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit		Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper) :	Name of Final Products & By -products with quantity per month	
1	Waste Paper- 190 MT/Day, Soap Stone, Flocculant	Duplex Board/M G Poster Paper/Kraft Paper-160 MTD, 3 MW Captive Power Plant	Duplex Board/M G Poster Paper/Kraft Paper-160 MTD, 3 MW Captive Power Plant

### 3. Production Process Infrastructure

S. No.	Details	Declared by the	Permitted by the	
		Numbers	Usage / Process operation	Board

### 838

1	-160 MTD by using raw	-160 MTD by using raw material as Waste Paper-	Poster Paper/Kraft Paper -160 MTD by using raw material as Waste Paper- 190 MT/Day and 3 MW	-160 MTD by using raw material as Waste Paper-
---	-----------------------	---	--	---

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

### 4. Water Conservation Measures

### A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical / Critical / Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2025-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- All the pipelines carrying fresh water/back water should be coloured as per protocol.

 The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No.	CCA is valid for	Declared by the unit	Permitted
1	800 KLD	800 KLD-	800 KLD THROUGH ETE - IRRIGATION/GREEN BELT/LOCAL DRAIN/KUKRA DRAIN/DHANDERA DRAIN/RIVER KALI EAST

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

### 5. For ZLD unit

- Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 - 8.5	6.5 – 8.5	6.5 – 8.5	No discharge is allowed

TSS, mg/l	<= 30	<30	<30	No discharge is allowed
BOD, mg/l	<- 20	< 20	< 20	No discharge is allowed
COD, mg/	<= 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<= 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<- 8	-	-	No discharge is allowed
SAR	<= 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- 7. Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- 15. The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.

PRADEEP Digitally signed by PRADEEP SHARMA

Date: 2024.03.02
14.41:10.40530

### C. Domestic effluent/Sewage treatment and discharge: -

 This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	3.0
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SOAK PIT

- \* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

The second secon			
ON	March Control of the		
S.No	Parameter	Standard	
		Control of	

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Camp; ECF bleaching for agro & Delignification and paper mills
- Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall sctup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	1 X 23 TPH Boiler	Biomass Fuel- 150 MT/Day and Low Sulphur Coal- 100 MT/Day	45 METER STACK HEIGHT ABOVE FROM GROUND LEVEL	Electro Static Precipitator (ESP)	AS PER CAOM DIRECTION
2	2 X 500 KVA DG SETS	Diesel/PNG/LPG	AS PER E(P) RULES, 1986	ACCOUSTIC ENCLOSURE	AS PER CAQM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- V. Unit < operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:

Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
as is required for meeting the ambient noise standards for night and day time as prescribed for
respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industrial Area		Commer	rcial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved
  within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be
  considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- 7. Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.

### 843

- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

### Specific Conditions:-

- This CTO is valid only for the production capacity of Duplex Board/M G Poster Paper/Kraft Paper-160 MTD by using raw material as Waste Paper- 190 MT/Day and 3 MW Captive Power Plant only at site 4th K.M. Stone, Bhopa Road, District-Muzaffarnagar, U.P., PIN-251001.
- Earlier The Board has issued a CTO vide Ref No.- 67645/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/water/MUZAFFARNAGAR/2019, Dated: 27/12/2019 and Ref No.- 67646/ UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2019, Dated: 27/12/2019 is revoked.
- The industry must complying the conditions of NOC obtained by UPGWD for abstraction of ground water.
- 4. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.
- 5. The industry shall operate and maintain as per norms by CAQM/CPCB of 1 X 23 TPH Boiler installed with Electro Static Precipitator (ESP) and 45 meter stack height from ground level. Fuel for 23 TPH Boiler is Biomass Fuel- 150 MT/Day and Low Sulphur Coal- 100 MT/Day. Unit also operate 2 X 500 KVA DG SETS installed with Acoustic Enclosure and stack height as per norms. Fuel for DG Set is Diesel/LPG/PNG, Only approved fuel is permitted as per CAQM direction.
- The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis by LIMS Portal from a certified / approved laboratory under E.P. Act 1986 to the Board.
- In case of any change in production capacity/ process/raw materials use etc. the industry will have to
  intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from
  U.P. Pollution Control Board.
- 9. Industry must install STP within 3 months for treatment of domestic effluent and submit the proposal for the same in the Board within one month.
- Unit must ensure strict time bound compliance of suggestion/recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp and Paper Industries" formulated by CPCB.
- 11. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 12. The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
- 13. This CTO order shall automatically become invalid on issuance of Closure Order by C.P.C.B/UPPCB and further on Revoking of Closure order, the Consent order shall become valid.
- 14. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-I I0018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM. 15. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available' as one-time as per CAQM direction dated-16.12.2022.

16. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).

PRADEEP

Digitally signed by property states to the complex of

PRADEEP Digitally signed by PRADEEP SHARMA Date: 2024,03.02 14,42:05 +05'30'

- 17. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 18. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 20. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 21. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 22. The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 23. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process. No Treated water shall be discharge outside the factory premises in any circumstances.
- 24. Industry shall install/operate at sufficient height from the ground level Open to Network HD PTZ Camera at the outlet of ETP and its URL and password shall be provided to the UPPCB Control room.
- 25. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 26. Industry shall install and maintain Online Continuous Effluent and Emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 27. Industry shall comply the order passed by Hon'ble NGT time to time.
- 28. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board after expansion in existing unit.
- 30. Industry shall not use furnace oil/pet coke as a fuel.
- 31. Industry shall ensure proper disposal of boiler ash.
- 32. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 33. The unit shall submit the audited balance sheet for the current year.
- 34. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.
- 35. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 36. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with

section-21/22 of air Act 1981 (as amended respectively).

37. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.

38. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

PRADEEP SHARMA Digitally signed by PRADEER S-IARMA Tione 202403.02 14:42:41 +09:30

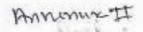
Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA Digitally signed by PRADEEP SHARMA Code 2024.03.02 14.4254 +05'30'

Chief Environmental Officer (Circle 3)





#### GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Utter Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC031410 VALID FROM 14/03/2021 TO 13/03/2026

(UIS14(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 20210300009	15		
Name of the Owner	ABHISHER AGARWAL		
Designation UE	WHOLE TIME DIRECTOR AND CFD	Company Name कंपनी का नाम	AGARWAL DUPLEX BOARD WILLS LTD.
Company Address In You	ATH KM MILE STONE BHOFA ROAD, MUZAFFARWAGAR	Authorization Letter प्राणिकार पत्र	Download
Address of the Applicant	40 Km Stone , Shopa Road , Muzaffarnagar	Application Form Serial	MZFW0921N8N002
Date of Submission	64(C)(CC)1	Specimen Signature	
Location Particulars			
District	Musefur Nager	Block	MUZAFFARNAGAR
Plot No./Khaara No.	ATH HIM STONE, BHORK ROAD, MUZAFFARINADAR	Municipality/Corporation	1000 000 0000
Viand No. Holding No.			26
Particular of the Existing Well	and Pumping Device		
Date of Construction/Simpley of the Well	03/03/19es		
Type of Wall	Tuse Welttering	Depth of the Well (In	
		meter)	40.00
Perpose of well	broustrad	Assembly Size/For Tube Well)	40.00
Perpose of well  Air Position (For Tube Well)	prosectived	Assembly Size/For Tube	40.00
wr Position (For Tube Well)	brountrad  Supremutate	Assembly Size/For Tube	
		Assembly Size For Tube Well)	15.00 30.00
ser Position (For Tabe Well) Type of Pemp Used Operational Device	Supremise Electric Motor	Assembly Size of or Tube Well)  H.P. of the Pump  Rate of Withdrawal	16.00
ser Position (For Tube Well) Type of Pemp Used	Supremise Electric Motor	Assembly Size/For Tube Well)  H.R. of the Pump  Rate of Withdrawall (m*thr.)	16.00

#### SENERAL CONDITIONS:

- It case of any charge of ownership of the proposed well, fresh authorization has to be obtained.
- No change of boates, dissign, rate of withortises and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the sufficiency Authority. Any deviation in this regard shall lead to cancellation of this sufficiency.
- For the purpose of measuring and recording the quantity of ground water extracted, every equilibrium shall affor digital water flow mesons (ponforming to GISLIS standards) having telemetry system in the obstraction structure, which record rate and quantum of extraction, at outlet of purroting devices and it shall be presumed that the quantity recorded by the motion has been extracted by the sent user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item SIKs shall not expected, it has recorded not into a water tractery.
- The concerned Authority reserves the right to stop extraction of getund water from the wall due to quality hazards or any other records, if the visco for so desturing
- In case of any charge of ownership of the existing well, fresh registration has to be obtained.
- to change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at \$1. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to competence of this registration.
- In case, any of the particulars l'information furnished by the applicant in his application for insurance of this registration is found to be incorrect during verification at any subsequent stage, this registration is faither for carcellation.
- The Constitute of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to suply for reviewal through a fresh application, at least mixely stays prior to employ of its validity.
- Construction of percentates and introduction of digital water level recorders with belematry shall be mandelery for user. Depth and zone tapped of preservative about the conversariate with that of the purroing wall, The data, obtained from digital water level recording shall be made available to this office on manifely basis.
- Quidelines for Installation of Piezometers and their Monitoring

Preparation is a boreved its bevelowed used only for measuring the water level by lowering the laiper sounder or automatic water level measuring equipment. It is also used to take water sample for water quality to strip what ever needed. General guidelines for installation of personneites are as follows:

- The piczonstar is to be installed constructed at the minimum of 50 m distance from the pumping well through which ground water is being withchews. The districter of the piczonester should be about 6" to 6".
- The dight of the prezenter should be same as is case of the pumping well from which ground water is being abstracted. If, more than one prezenters are installed the second prezenter should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water square monitoring.
- No. of programmers to be constructed & Type of water level monitoring mechanism shall be as per below table.

5.No.	Quantum of Ground water withdrawal (curriday)	No of prezoneters required	W	lonitring Mechanism
		- Parameter Agency	Manual	DWLR with Telemetry
4	× 10		4	
2	11 - 50	1	4	
3	50-500	1	4	1
4	> 500	2		

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in mater upto two decimal.
- For measurement of water lavel occurder or automatic water level recorder (AVVLP)/ Digital Automatic water level recorder (DWLP) with telementy system should be used for accuracy.
- The measurement of water level in pinconsular about the taken, only ofter the pumping from the surrounding table wells has been stopped for about four to six hours
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the preziment into the Hydrograph Municiping System for Ground Water Department, Utair Process, and for its valuation.
- This ground water quality has to be monitored twice in a year during pre-atomicon (May(Ame) and post-anomalor (DetabatiNovember) periods. Quality may be got analyzed from MABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Utiliz Pradesh, for chemical analysis.
- A Permanent disclay board should be installed at precompteriffube wells also for providing the location, precompter type well number, depth and zone tapped of precompterfube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the periodical information furnished by the applicant in the application for resulting of this permit is found to be incorrect during ventication at any subsequent stage, this
  y mit is fable for concellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Conflicate for ground water extraction by industries shall be grained subject to the following specific conditions.
- i) No Objection Conficule shall be granted only in such cases where local government water scoolly agencies are not said to supply the desired quartity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- 10 All industries abbrecting ground water in excess of 100 m<sup>2</sup>rd shall be required to undertake around water audit through Confederation of Industries (City Federation Industries (City
- iv) Construction of discretion well(s) prezometer(s) within the premises and installation of appropriate water level monitoring mechanism as intentioned in General Condition no. 18 shall be manufactory for industries disswed/proposing to draw more than 10 m² videy of ground water and, Nonstoring of water level shall be done by the project proporers. The proposing well well) shall be constructed at a manufact of 60 m from the bore well-production well. Depth and aquifer some tapped in the prezentation shall be the same as that of the pumping well/well level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be received to adopt rout top rain water harvesting/ rechange in the project premises. Industries which are likely to pollute ground water (chemical, praminisation) dyes, promote, pursue, touries, takelers, personalities, fersions, stoughter house, explosives and, ahall store the harvested rain water in surface storage tasks for use in the industrie.
- vi) Injustion of treatest uninessed waste water into aquifer system is strong prohibited.
- wij Industries which are lively to cause ground water polition e.g. Terrising, Staughter Houses, Dya, Chemicali Petrochemical, Coal washeries, other humoticus units etc. (as per CPCIS list) weed to undertake recessary well hour projection measures to ensure prevention of ground water polition.
- (B) Inhastructural User: The No Cojection Certificate for ground water elastraction will be granted autject to the following specific conditions;
- i) In case of infrastructure projects feet require downstring, proporting shall be required to carry our regular monitoring of downstring docturing interface (using a agent water flow meter) and submit the data critical for Council Water Department, UP as applicable. Monitoring records and redults should be retained by the proporting for two years for reporting as required by District Ground Water Management Council.
- Winstallation of Sawage Treament Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> year. The water from STP shall be usuad for roder flusting, cur wastering sectioning exc.

97/04/2012 ce Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



### GROUND WATER DEPARTMENT

(Namoni Gange & Rural Water Supply Department) Ministry of Jal Shakti Covernment of Ulter Pradech

Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Ultar Pradesh Ground Water Munagement and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC042160 VALID FROM 14/03/2021 TO 13/03/2026

(UIS16(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Name of the Owner	ARHSHEK AGARWAL		
Designation U <u>t</u>	WHOLE TIME DIRECTOR AND CFO	Company Name कंपनी कर गान	AGARMAL DUPLEX BOARD NILLS LYD.
Company Address कंपनी का पता	4TH KIR MILE STONE, BHOPA ROAD, MUZAFFARRAGAR	Authorization Laner पारिकार पत्र	Download
as of the Applicant	4th Kim Stone , Shopa Road , Muzaffarnagar	Application Form Serial No.	MZFHG32 INI NOGZS
Date of Submission	9209/2021	Specimen Signature	3500000
Location Particulars	-	- Law of the same	
District	Muzeffer Neger	Block	YCZ SOCIOLOGIC
Plot No./Whosia No.	4TH KN STONE BHOPA ROAD, WUZAFFARNAGAR	Section and a second	MUZAFFARNAGAR
Ward No./Holding No.	The same of the sa	Municipality/Corporation	MUZAFFAR NAGAR
Control of the Control of the Control	Manufacture -		28
Particular of the Existing Well	and Pumping Device		
Date of Construction/Sinking of the Well	6300/1986		
Type of Well	Tube Viel/Boring	Dapth of the Well gri meter)	48.00
Purpose of well	Incustral	Assembly Size(For Tube Well)	
प Position (For Tube Well)			
Type of Pump Used	Submerable	H.P. of the Pump	25.00
Operational Device	Electric Motor	Rate of Wendrawat (mithr.)	120.00
Date of Energization (in Case of Elec	tric Pump)	03/53/1359	
Vacamen Allowable Rate of Validrawal (milital):	120,00	Maximum Allowable Running Hours Per Days	14.00
	THE PROPERTY OF THE PROPERTY O	and a second and	

No-Objection configure authorizes the owner applicant (user) to sink a well in the location specified at SL (2) for extraction of ground water or a rate set exceeding that as shown at SL (3). According Nours per Any se shown at SL (34), and for measurest allowable wrough extraction of ground water as shown at SL (34) and is valid subject to the observance of the conditions stated overland.

#### GENERAL CONDITIONS:

- In case of any charge of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rise of withdrawal and pumping device in respect of the proposed well as indicated at St. (7) and (3) of this certificate shall be made without pror permission of the Competent Authority. Any deviation in this regard shall lead to cercellation of this authorization.
- For the purpose of measuring and recording the quantity of ground water sortisated, every said user shall after digital water flow mellers (conforming to B15/15 standards) having fellometry system in the abstraction structure, which recorded and quantum of extraction, at outsit of pumping devices and it shall be presumed that the quantity recorded by the meller has been extracted by the asad quant, until the contractly is proved. The rate of extraction of ground water from the well as shown in them 2(k) shall not exceed to the recorded rate from water meles.
   The concerned Authority reserves the right to slop extraction of ground water from the well due to quality hazards or any effect reasons, if the extendion so dumands.
- . In case of any change of ownership of the easting well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to conceitation of this registration.
- In case, any of the particulars information furnamed by the applicant in his application for issuance of this registration is found to be incorrect during verificor or an any subsequent stage, this registration is listed for carcellation.
- The Certificate of Authorization NGC shall be valid for a period of tive years from the date of issue. The applicant shall have to apply for senewal through a fresh applicance, at least ninety days poor to expiry of its validity.
- Construction of pregameters and installation of digital water level recorders with internative shall be mandatory for user. Depth and zone tapped of precometer should be commensurate with that of the pumping well. The data, obsured from digital water level recorders shall be made available to this office on monthly basis.
- . Suidelines for Installation of Piezposters and their Munituring

Prezometer is at borrowic flubrowid used only for measuring the water level by lowering the taper sounder or automatic water level measuring equipment. It is also used to take water sounder for water quality testing whon ever needed. General guidelines for installation of prezometers are as follows:

- The presentative with the installed constructed at the maximum of 50 m distance from the pumping well through which glound water is being withdrawn. The diameter of the presentation should be about 4" to 6".
- The depth of the perconneler should be same as is case of the puritying well from which ground water is being abstracted, if, more than one preconnectes are installed the second preconnecter should report water regime. It will facilise shadow as well as deeper ground water aquiter more territy.
- No. of piezometers to be constructed & Type of water level reselbering mechanism shall be as per below table.

S.Nb	Quantum of Ground water withdrawel (ours/day)	No.of piezometers required	M	lonsing Mechanism
	ACT TO SEE THE DESIGN OF THE PROPERTY.		Marreal	DWLR with Telemetry
	× 10	0	0	0
2	11-50	1	1	
3	50-500	1	0	1
4	> 50Q	2	o o	2

- The measuring frequency should be morthly and accuracy of empowement should be up to on, the reported measurement should be given in mater upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR) Digital Automatic water level recorder (DWLR) with belometry system should be used for accuracy.
- The measurement of variet level in percentate should be taken, only after the pumping from the surrounding tube wells has been stepped for about four to sex hours.
- All the details regarding coordinates, reduced level (with respect to steas level), depth, zone toped and assembly lowered should be provided for bringing the personners into the Hydrograph Monitoring System for Ground Water Department, Utter Praduct, and for its valvations.
- The ground water quality has to be monitored twice in a year during pre-monacon (May/Luer) and post-monacon (October-November) periods. Quality may be get analyzed from NABL approved (ab. Besides, one sample (1 & capacity bottle) to the concerned (Director, Ground Water Department, Unior Practest, for chemical straights).
- A Permanent display board should be installed as precenteral/Tube wells site for proving the (position, personneler) fube well number, depth and zone tapped of precenterhabe well for stendard referencing and identification.
- Any other sits specific requirement regarding solvry and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the periodism function function for interest in his application for issuance of this period to be incomed during verification at any subsequent stage, this period is able for carpolitation.
- SPECIFIC CONDITIONS
- (A) For Industrial User: No Objection Confident for ground water extraction by industries shall be granted subject to the following specific conditions:
- I) No Objection Cornicate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All incuprios shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries sbarrieting ground water in excess of 500 m<sup>3</sup>/of shall be required to underside annual water audit through Controllersion of Indian Incustries (CSF Federation Indian Chamber of Consistro and Indianty (FICCI) hasterial Psychothyry Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Utter Psychothy Advantage Shall be required to reduce their ground water use by at least 20% over the next five years through appropriate mesons.
- Ny Construction of observation weight (pecometer)(s) within the premises and initialization of appropriate water level monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing proposing to draw more than 10 m² /day of ground water and. Monitoring of water level shall be done by the project proportion. The pecometer (observation well) shall be constructed at a minimum statement of 50 m from the tone well-production well. Depth and aquater zone tapped in the precentage shall be the same as that of the pumping well/wells. Monthly water level data shall be submitted unline to the Ground Water Department, UP.
- v) The proposes shall be required to adopt root top rain water barvesting/ recharge in the project precises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dates, pigments, panel), find its, proposed can water in serface energy personals insectionies, tentioners, saughter books, explosives etc.) shall store the harvested rain water in serface energy tenta for useful the industrie.
- vi) injection of treased untreased waste water into aquifer system is strictly prohibited.
- with individual are likely to cause ground water poliuson e.g. Terring, Staughter Houses, Dye, Cherocal Percurentual, Cost wasteress, other hazardow units etc. (as per CPQB 943 need to undertake necessary well head protection measures to ensure prevention of ground water poliution.
- (B) infrastructural User. The No Objection Contribute for ground water abstraction will be granted subject to the following specific conditions.
- If notes of introduction projects that require newspaper, proportest shall be required to carry and regular mentioning of deviationing discharge rate (using a digital water flow mener) and submit the data craims to Ground Vister Department. UP as applicable. Moreoving records and results should be retained by the proportion for two years, for inspection or reporting as required by District Ground Vister Nanagement Council.
- I) Invasion of Science Plants (STP) shall be manderory for new projects, where ground water requirement is more than 20 m<sup>3</sup> day. The water from STP shall be usigned for roder flushing, car washing, guidening etc.

a :07/04/2022 loco:Muzaftar Nagar

This certificate is electronically generated and does not require digital signature



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831 Fax: 0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 19184/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated: 27/02/2023

To,

M/s AGARWAL DUPLEX BOARD MILLS LTD

4th Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Tehsil :MuzaffarNagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 19184 and 27/02/2023.
- 2. Reference of application (No. and date) 18923451 and 21/12/2022.
- Mr ABHISHEK AGARWAL of M/s AGARWAL DUPLEX BOARD MILLS LTD is bereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 4TH KM STONE, BHOPA ROAD, MUZAFFARNAGAR.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules LII and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 33.1 AS PER SCHEDULE I (EMPTY BARRELS/CONTAINERS /LINERS CONTAMINATED WITH HAZARDOUS CHEMICALS/WASTES)	THROUGH TSDF	1.50 MT/ANNUM
2	CATEGORY 33.2 AS PER SCHEDULE I (CONTAMINATED COTTON RAGS OR OTHER CLEANING MATERIALS)	THROUGH TSDF	0.080 MT/ANNUM
3	CATEGORY 5.1 AS PER SCHEDULE I (USED OR SPENT OIL)	THROUGH TSDF	0.240 MT/ANNUM

- The authorization shall be valid for a period of 26/02/2028 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### A General Conditions of Authorization -

 The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.04.15 22:01:47 +05'30'

- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any
  accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or
  pre-processing or utilisation of imported hazardous or other wastes shall be treated and
  disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
  GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.04.15 22:02:02 +05'30'

- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.

of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.

- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month,
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

**GHAN SHYAM** 

Digitally signed by GHAN SHYAM Date: 2023.04.15 22:02:36 +05'30' UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action .

GHAN SHYAM

Date: 2023,04,15 22:02:49 +05\*30\*

CEO/EE, I/C Circle

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

#### Date of inspection:11.01.2024

Δ.	General	section
	SPECIAL CO.	Section

1.	Name of the unit with complete postal address:	M/s Tehri Pulp & Papers Ltd. (Unit-1), 09thm stone, Bhopa road, Muzaffarnagar, Uttar Pradesh - 251001
2.	Spatial Co-ordinates (Latitude & longitude)	29.471407, 77.79419
3.	Industry Operational status	Operational
4,	Consent status	Consolidated Consent to Operate and Authorization (CCA) dated 27.10.2023 Issued by UPPCB under section – 25 of Water Act, 1974 and under section – 21 of Air Act, 1981 having validity upto 31.12.2025 (Refer Annexure – I)

	Process	As per C	Manufacturing of Kraft paper using waste paper(impoint indigenous) as raw material.  As per CCA, unit has permission to use agro residues as material in production					
5.								
	a. Consented v	A.70.500751	Agro res	oper - 250 M idue - 150 M	T/day			
	b. Actual raw r	naterial consu	mption(as per	record provid	led by unit)			
	Month	Indigenous waste paper (MT)	Imported waste paper (MT)	Total waste paper (MT)	Starch powder (MT)	Soap Stone (MT)	Total raw material (MT)	
И	Oct - 2023	5631.10	0	5631.10	221.40	386.10	6238.60	
- 1	Nov-2023	5018.80	1441.50	6460.30	205.50	199.80	6865.60	
	Dec - 2023	6060.60	1513.80	7574.40	213.30	293.50	8081.20	
	Jan - 2024	2243.80	0	2243.80	65.30	107.00	2416.10	
	Total	18954.30	2955.30	21909.60	705.50	986.40	23601.50	
	c. Estimated di	ally consumpti	January : Avg. dail Avg. dail Avg. dail	perational day 2024 -92 day ily waste pay y starch powe y soap stone	s per consum ler consum consumptio	mption - 2: ption - 7.6: in - 10.72 f	<b>38.15 MT/da</b> 7 MT/day 4T/day	
		ally consumpti	January : Avg. dail Avg. dail Avg. dail	2024 –92 day i <b>ly waste pa</b> j y starch powo	s per consum ler consum consumptio	mption - 2: ption - 7.6: in - 10.72 f	<b>38.15 MT/da</b> 7 MT/day 4T/day	
	Production a. Consented v	alue	January Avg. dail Avg. dail Avg. dail Total da	2024 -92 day ily waste pay y starch powo y soap stone illy raw mate	per consur per consum ter consum consumptio erial consu	mption - 2: ption - 7.6: in - 10.72 f	<b>38.15 MT/da</b> 7 MT/day 4T/day	
	Production a. Consented v b. Actual Produ	alue	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap	2024 -92 day ily waste pay y starch powe y soap stone ily raw mate er @ 250 MT	per consur per consum ter consum consumptio erial consu	mption - 2: ption - 7.6: n - 10.72 t imption - 2	<b>38.15 MT/da</b> 7 MT/day 4T/day	
	Production a. Consented v b. Actual Produ (as per reco	alue	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap	2024 -92 day ily waste pay y starch powe y soap stone illy raw mate per @ 250 MT h Proc	per consum ler consum consumptio erial consu	mption - 2: ption - 7.6: n - 10.72 t imption - 2	<b>38.15 MT/da</b> 7 MT/day 4T/day	
	Production a. Consented v b. Actual Produ	alue	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap Mont Oct -	2024 -92 day ily waste pay y starch powe y soap stone illy raw mate per @ 250 MT h Proc	per consum der consum consumptio erial consu /day luction (MT)	nption - 2: ption - 7.6: n - 10.72 t mption - 2	38.15 MT/da 7 MT/day 4T/day	
	Production a. Consented v b. Actual Produ (as per reco	alue	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap Mont Oct - Nov -	2024 -92 day ily waste pay y starch powe y soap stone illy raw mate per @ 250 MT h Prod 2023	per consum der consum consumptio erial consu /day luction (MT)	mption - 2; ption - 7.6; n - 10.72 t imption - 2	38.15 MT/da 7 MT/day 4T/day	
	Production a. Consented v b. Actual Produ (as per reco	alue	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap Mont Oct - Nov -	2024 -92 day ily waste pay y starch powe y soap stone ily raw mate per @ 250 MT h Proc 2023 -2023	per consum der consum consumptio erial consu /day luction (MT) 526 548	nption - 2: ption - 7.6: n - 10.72 t imption - 2 6	38.15 MT/da 7 MT/day 4T/day	
2.7	Production  a. Consented v  b. Actual Produ (as per recounit)	alue iction rd provided by	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap Mont Oct - Nov - Dec - Jan - Total	2024 -92 day ily waste pay y starch powe y soap stone ily raw mate per @ 250 MT h Proc 2023 -2023	per consum fer consum consumptio erial consu /day luction (MT) 526 548	mption - 2: ption - 7.6: n - 10.72 t imption - 2 6 9	38.15 MT/da 7 MT/day 4T/day	
	Production  a. Consented v  b. Actual Produ (as per reco unit)  c. Estimated di	alue iction rd provided by	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap Mont Oct - Nov - Dec - Jan - Total 208-22 M	2024 -92 day ily waste pay y starch powe y soap stone illy raw mate per @ 250 MT h Prod 2023 -2023 -2023 -2024	per consum der consum consumptio erial consu /day luction (MT) 526 548 643 196	mption - 2: ption - 7.6: n - 10.72 t imption - 2 6 9	38.15 MT/da 7 MT/day 4T/day	
	Production a. Consented v b. Actual Produ (as per reco unit) c. Estimated di d. Yield (%)	alue iction rd provided by ally production	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap Mont Oct - Nov - Dec - Jan - Total 208.22 M 81.16 %	2024 -92 day ily waste pay y starch powe y soap stone illy raw mate per @ 250 MT h	per consum der consum consumptio erial consu /day luction (MT) 526 548 643 196	mption - 2: ption - 7.6: n - 10.72 t imption - 2 6 9	38.15 MT/da 7 MT/day 4T/day	
	Production  a. Consented v  b. Actual Produ (as per reco unit)  c. Estimated di	alue iction rd provided by ally production	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap Mont Oct - Nov - Dec - Jan - Total 208.22 M 81.16 %	2024 -92 day ily waste pay y starch powe y soap stone illy raw mate per @ 250 MT h	per consum der consum consumptio erial consu /day luction (MT) 526 548 643 196	mption - 2: ption - 7.6: n - 10.72 t imption - 2 6 9	38.15 MT/da 7 MT/day 4T/day	
	Production a. Consented v b. Actual Produ (as per reco unit)  c. Estimated di d. Yield (%) e. Estimated no	alue action rd provided by aily production on-paper waste	January Avg. dail Avg. dail Avg. dail Total da  Kraft Pap Mont Oct - Nov - Dec - Jan - Total 208.22 M 81.16 %	2024 -92 day ily waste pay y starch powe y soap stone illy raw mate per @ 250 MT h	per consum der consum consumptio erial consu /day luction (MT) 526 548 643 196	mption - 2: ption - 7.6: n - 10.72 t imption - 2 6 9	38.15 MT/da 7 MT/day 4T/day	

	b. Details of	borewell		Freshwater fr reservoir and Borewell – 3	om Bon then di is dedica	ewell-1 - stributed ated for	omagnetic flow of Borewell-2 is so to Unit-1 and U meeting Boller (o	tored in 500 Ki	
	c. Permitted	withdraw	al	& Unit-2) water requirements 3450 KLD (combined for both units to Main 1.6 Mars 2)					
	d. Actual fre	1	_	(combined for both units i.e. Unit - 1 & Unit - 2)					
	consume	1				4000000			
	e. Specific fr consumpt			6.0 KL/MT of	paper p	roductio	n		
9.	Effluent Ma	nagemen	t	DHING OF T					
	a. Consented			1300 KLD					
	<ul> <li>b. Actual efflu</li> <li>(as per ET)</li> </ul>	ent gener P inlet logt	ation book)	241659 KL	(during	01.10.2	2023 - 10.01.20	24)	
	c. Estimated generation	daily efflu	ent	2626,73 KI	LD				
	d. Actual recy effluent wit			1448.12 KI	LD				
	e. Actual effic (as per ETI	outlet log	abook)		0,1201022	ing 01.1	0.2023 - 10.01.2	2024)	
	f. Estimated discharge		ent	1140.70 KI					
	g. Losses in E	erector.		sludge.				ture in generated	
	h. Specific eff	h. Specific effluent discharge		5.47 KL/MT	of pap	er produ	ction		
10.	Effluent treatment plant (ETP		?)						
	a. ETP consis			Primary cla Grade Filte	rifier -A	ization t Veration	ank – Hill screen tank – Secondar	– Sedicell – y Clarifier – Multi	
	b. Installed of	apacity		2000 KLD					
	c. Metering a	It EIP		ETP inlet		totaliz	h, ultrasonic type flow meter with er installed but logbook maintaine er v – notch		
				Recycling p	installed at common line car partially treated effluent after clarifier of ETP in unit-1 and Pulp mills in Unit-1 and Unit logbook maintained		nt after primary 1 and Unit-2 to		
				ETP outlet	ETP outlet V-notch and ultrasonic type flow r without totalizer installed and logi maintained			type flow meter ed and logbook	
	d. Operations	al status		Operational		visit			
	e. OCEMS at ETP outlet			OCEMS wa connectivity Reading no pH: 7.10; T	Flow at inlet: 3 m <sup>3</sup> /hr; 665975 m <sup>3</sup> OCEMS was found installed at ETP outlet and provided connectivity with CPCB/SPCB server.  Reading noted during visit: pH: 7.10; TSS: 22.33 mg/l; BOD: 7.79 mg/l; COD: 124.91 mg/l				
	Effluent Cha	racteristi	CS		37.				
	Parameter	ETP	ETP outlet	Norms as per consent	Compli w.r.t.	ance consent	Norms notified by MoEF&CC	Compliance w.r.t.	
	pH	5.8	7.7	6.5 - 8.5	Compl		7.0 - 8.5	Compliance	
	COD (mg/l)	11216	234	150	Non - Comp	Carriera	350 mg/l	Compliance	
	BOD (mg/l)	4200	56	20	Non - Compl		30 mg/l	Non – Compliance	
	TSS (mg/l)	3330	40	30	Non -		50 mg/l	Compliance	

TDS (mg	g/I)	7010	1724	1600	Non - Compliane	-		-	
Colour		05	05	150	Compliance			-	
SAR		20	04	08	Compliance				
AOx		- 2	BDL		*	1.0	kg/ton of fuct	Compliance	
Sulphide (mg/l)			3.2	-	1	Prof	Juce	9	
Aeratio	n Tank:	MLSS -	- 8697 n	ng/l & MLV	SS - 3609 mg/l				
f ETD	Cludes -	D3 - Z	456 mg/		2.35				
Diele ele	Sludge	genera	tion	1					
Biologica	al sludge	genera	ition	Sludge 1	from Primary cl	arifier and	d Sedicell is	s being recycles	
(as per I		112/14		Pulper, I	No data provide	d for qua	ntity recycle	ed.	
	idge gene			Sludge	from Secondar	y clarifie	r is stored	in Sludge dry	
Specific	sludge ge	eneration	on	peds an	d then fed into	Belt pres	<ol><li>Dewater</li></ol>	ed sludge is mi	
Sludge N	fanagem	ent & d	lisposal	with coa	I and bagasse a	nd used a	as fuel in bo	oiler.	
Followski	d'alors		3	No data	provided for qu	antity of	sludge user	d as fuel in bolk	
30 % of	d sludge inlet TSS	genera Fload	ation @	2.62 MT	/day				
Remark				Logbook	data for ETP sl	udge gen	eration & d	isnosal is not	
		-		maintair	ed by the unit	THE MAN		Sport is not	
I. Non-pay	per solic	wast	e mana	gement (P	lastic waste)				
Non-pap	er solid v	vaste g	enerated	(As per lo	abook):				
mond delice				Tour Charles	Resident force				
Plastic w	aste com	bined o	disposal	from Unit-:	1 & Unit-2				
Sold to	Č.			uantity	Agreement	Method	clogy of dis	Ironna	
	Ones and a second				(Yes/No)		osal site	sposai	
M/s KK	Duplex a	nd Pap	er 6	66.28 MT	Yes		in RDF ba		
Mills Pv	t. Ltd.	discholate.				Boiler	I III KDF Da	seu	
	shit Trac		3	34.68 MT	Yes		sold to Cer	ment	
Company	Company, Chittorgarh						Further sold to Cement		
Compan						niant	Burning in RDF based		
M/s Silv	ertoan p	apers t	td. 5	8.07 MT	Yes	Plant	in RDF ba	sed	
M/s Silv	ertoan p	apers t	td. 5	8.07 MT	Yes		in RDF ba	sed	
M/s Silv	o59.03 N	apers t			1882	Burning Boiler	8.10.28.05.11.03.	200	
M/s Silv Total: 1 Avg. da	os9.03 N	apers t uT waste	disposa	- 11.51 M	T/day (combine	Burning Boiler ed for Uni	t-1 & Unit-	2)	
M/s Silv Total: 1 Avg. da Percent	os9.03 N osperation of plastic operation	apers t uT waste	disposa	- 11.51 M	MT/day (combine aste – 2,28 % d	Burning Boiler ed for Uni	t-1 & Unit-	2)	
M/s Silv Total: 1 Avg. da Percent generation	os9.03 N ily plastic Non-pap on	apers L uT waste er soli	disposa	- 11.51 M   Plastic w   1 & Unit-	T/day (combine aste – 2.28 % o	Burning Boiler ed for Uni	t-1 & Unit- aste paper	2) consumed in Ur	
Total: 1 Avg. da Percent generatio Daily was	059.03 N ily plastic Non-pap on ste gener	apers to uT waste er soli	disposa d waste	- 11.51 M   Plastic w   1 & Unit-   Avg. dail   2.28% o	T/day (combine aste – 2.28 % o -2 y plastic waste	Burning Boiler ed for Uni of total wa	t-1 & Unit- aste paper n from Unit	2) consumed in Ur	
Total: 1 Avg. da Percent generatio Daily was	059.03 N illy plastic Non-pap on ste gener	apers L AT waste er soli ration waste,	disposa d waste	l – 11.51 M Plastic w 1 & Unit- Avg. dail 2.28% o	MT/day (combine aste – 2.28 % o -2 y plastic waste f raw material -	Burning Boiler ed for Uni of total war generation 5.42 MT.	t-1 & Unit- aste paper n from Unit	2) consumed in Ur t-1 considering	
Total: 1 Avg. da Percent generatio Daily was	osertoan p 059.03 N illy plastic Non-pap on ste gener il solid generati	apers to the same of the same	disposa d waste /plastic	l – 11.51 M Plastic w 1 & Unit- Avg. dail 2.28% o Estimate	T/day (combine aste – 2.28 % o -2 y plastic waste	Burning Boiler ed for Uni of total war generation 5.42 MT.	t-1 & Unit- aste paper n from Unit	2) consumed in Ur t-1 considering	
Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigeno	059.03 N ily plastic Non-pap on ste gener il solid generations was	apers L T Waste er soli ration waste, ion @ te pag	disposa d waste /plastic 3% of per and	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate	MT/day (combine aste – 2.28 % o -2 y plastic waste f raw material -	Burning Boiler ed for Uni of total war generation 5.42 MT.	t-1 & Unit- aste paper n from Unit	2) consumed in Ur t-1 considering	
Total: 1 Avg. da Percent generatio Daily was	059.03 N ily plastic Non-pap on ste gener il solid generations was	apers L T Waste er soli ration waste, ion @ te pag	disposa d waste /plastic 3% of per and	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate	MT/day (combine aste – 2.28 % o -2 y plastic waste f raw material -	Burning Boiler ed for Uni of total war generation 5.42 MT.	t-1 & Unit- aste paper n from Unit	2) consumed in Ur t-1 considering	
Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigeno	059.03 Non-pap on ste gener l solid generations was mported	apers L T Waste er soli ration waste, ion @ te pag	disposa d waste /plastic 3% of per and	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate	M/day (combine aste - 2.28 % o -2 y plastic waste f raw material - d avg. daily pla	Burning Boiler ed for Uni of total was generation 5.42 MT, stic waste	t-1 & Unit- aste paper in from Unit /day generation	2) consumed in Ur t-1 considering n = 7.47 MT/day	
Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigeno 4 % of i	059.03 Non-pap on ste gener l solid generations was mported	apers L T Waste er soli ration waste, ion @ te pag	disposa d waste /plastic 3% of per and	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate	M/day (combine aste – 2.28 % of -2 y plastic waste f raw material – d avg. daily pla	Burning Boiler ed for Uni of total was generation 5.42 MT, stic waste	t-1 & Unit- aste paper in from Unit /day generation	2) consumed in Ur t-1 considering n = 7.47 MT/day	
Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigence 4 % of in	osertoan p 059.03 N ily plastic Non-pap on ste gener il solid generati ous was mported s	apers to AT constant waste, ion @ ite papers to approximate papers	disposa d waste /plastic 3% of per and e paper	I – 11.51 M Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the	T/day (combine aste – 2.28 % o 2 ly plastic waste f raw material – d avg. daily pla astic waste disp estimated gene	Burning Boiler ed for Uni of total war generation 5.42 MT stic waste osal (5.4. ration va	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / fue (7.47 M	2) consumed in Ur t-1 considering n = 7.47 MT/day	
Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigence 4 % of in Remarks	osertoan p  059.03 N  illy plastic  Non-pap  on  ste gener  il solid  generations was  mported  s	apers to AT constant waste at a waste from the part of	disposa d waste /plastic 3% of per and e paper	I – 11.51 M Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the	M/day (combine aste – 2.28 % of -2 y plastic waste f raw material – d avg. daily pla	Burning Boiler ed for Uni of total war generation 5.42 MT stic waste osal (5.4. ration va	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / fue (7.47 M	2) consumed in Ur t-1 considering n = 7.47 MT/day	
M/s Silv Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigenc 4 % of i Remarks	osertoan p  059.03 N  illy plastic  Non-pap  on  ste gener  il solid  generations was  mported  s  ution ma  capacity	apers to AT constant waste at a waste from the part of	disposa d waste /plastic 3% of per and e paper	- 11.51 M   Plastic w   1 & Unit-   Avg. dail   2.28% o   Estimate  -   Actual plasting than the   Improper	AT/day (combine aste – 2.28 % o 2 by plastic waste f raw matenal – d avg. daily pla astic waste disp estimated gene maintenance o	Burning Boiler ed for Uni of total war generation 5.42 MT stic waste osal (5.4, ration vai f logbook	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / fue (7.47 M	2) consumed in Ur t-1 considering n = 7.47 MT/day	
Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigence 4 % of in Remarks	osertoan p  059.03 N  illy plastic  Non-pap  on  ste gener  il solid  generations was  mported  s  ution ma  capacity	apers to AT constant waste at a waste from the part of	disposa d waste /plastic 3% of per and e paper	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pi than the improper	T/day (combined aste - 2.28 % of -2 of raw material - divided avg. daily plates astic waste displates the common for University of the common for University asticular days	Burning Boiler ed for Uni of total war generation 5.42 MT stic waste osal (5.4, ration vai f logbook	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / fue (7.47 M	2) consumed in Ur t-1 considering n = 7.47 MT/day	
M/s Silv Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigenc 4 % of i Remarks	059.03 Non-papon ste generatious was mported school of the control	apers to AT constant waste at a waste from the part of	disposa d waste /plastic 3% of per and e paper	- 11.51 M   Plastic w   1 & Unit-   Avg. dail   2.28% o   Estimate  -   Actual plathan the   Improper	IT/day (combined aste - 2.28 % of -2 of raw material - divided avg. daily plates astic waste displates astic waste displates and realistic maintenance of common for Unight - 62 m	Burning Boiler ed for Uni of total was generation 5.42 MT stic waste osal (5.4, ration vai f logbook it-1 & 2)	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / fue (7.47 M	2) consumed in Ur t-1 considering n = 7.47 MT/day	
Total: 1 Avg. da Percent generatio Daily was  Potentia waste of indigence 4 % of in Remarks  Air Pollu a. Boiler b. Stack c. APCD	059.03 Non-papon ste generatious was mported school of the control	apers to the control of the part of the pa	disposa d waste /plastic 3% of per and e paper	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pit than the improper  52 TPH ( Stack He Electro S	IT/day (combine aste - 2.28 % of -2 y plastic waste fraw material - d avg. daily plates waste dispersional results as a common for Unight - 62 m tatic Precipitato	Burning Boiler ed for Uni of total was generation 5.42 MT, stic waste osal (5.4, ration val f logbook it-1 & 2) r (ESP)	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / fue (7.47 M	2) consumed in Ur t-1 considering n = 7.47 MT/day	
M/s Silv Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigenc 4 % of i Remarks  Air Pollu a. Boiler b. Stack c. APCD i d. Estima	osertoan p  059.03 N illy plastic Non-pap on ste gener of solid generations was mported s  ution ma capacity details installed ited steai	apers to AT construction waste, ion (i) te paper i waste magent me requirement of the construction of the	disposa d waste /plastic 3% of per and e paper	- 11.51 M Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pi than the improper  52 TPH ( Stack He Electro S 374.79 M	T/day (combine aste - 2.28 % of 2 y plastic waste fraw material - d avg. daily plates waste dispersion of the common for Unight - 62 m tatic Precipitato	Burning Boiler ed for Uni of total was generation 5.42 MT, stic waste osal (5.4, ration vai f logbook it-1 & 2) r (ESP)	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / fue (7.47 M	2) consumed in Ur t-1 considering n = 7.47 MT/day	
M/s Silv Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigenc 4 % of i Remarks  Air Pollu a. Boiler b. Stack c. APCD i d. Estima	059.03 Non-papon ste generatious was mported school of the control	apers to AT construction waste, ion (i) te paper i waste magent me requirement of the construction of the	disposa d waste /plastic 3% of per and e paper	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pit than the improper  52 TPH ( Stack He Electro S 374.79 M 471.93 M	T/day (combine aste - 2.28 % of 2 y plastic waste fraw material - d avg. daily plates waste dispendent of the common for Unight - 62 m tatic Precipitato T/day for Uniterson	Burning Boiler ed for Uni of total was generation 5.42 MT, stic waste osal (5.4, ration val f logbook it-1 & 2) r (ESP)	t-1 & Unit- aste paper n from Unit /day generation 2 MT/day) / lue (7,47 M	2) consumed in Ur t-1 considering n - 7.47 MT/day is much lower lT/day) indicate	
M/s Silv Total: 1 Avg. da Percent generatio Daily was  Potentia waste indigenc 4 % of i Remarks  Air Pollu a. Boiler b. Stack c. APCD i d. Estima	osertoan p  059.03 N illy plastic Non-pap on ste gener of solid generations was mported s  ution ma capacity details installed ited steai	apers to AT construction waste, ion (i) te paper i waste magent me requirement of the construction of the	disposa d waste /plastic 3% of per and e paper	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the improper  52 TPH ( Stack He Electro S 374.79 M 471.93 M Total esti	T/day (combine aste - 2.28 % of 2 y plastic waste fraw material - d avg. daily plates waste dispersion of the common for Unight - 62 m tatic Precipitato	Burning Boiler ed for Uni of total was generation 5.42 MT, stic waste osal (5.4, ration val f logbook it-1 & 2) r (ESP)	t-1 & Unit- aste paper n from Unit /day generation 2 MT/day) / lue (7,47 M	2) consumed in Ur t-1 considering n - 7.47 MT/day is much lower lT/day) indicate	
Potentia waste indigene 4 % of i Remarks  Air Pollu a. Boiler b. Stack c. APCD i d. Estima @ 1.8	osertoan p  059.03 N illy plastic Non-pap on ste gener al solid generati generati sus was mported s  ution ma capacity details installed ited stear T/T of pa	apers to AT construction waste, ion (i) te paper i waste magent me requirement of the construction of the	disposa d waste /plastic 3% of per and e paper	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the improper  52 TPH ( Stack He Electro S 374.79 M 471.93 M Total esti MT/day	IT/day (combined aste - 2.28 % of -2.29 % of -2.29 % of -2.29 f raw material -4 d avg. daily plates astic waste dispersional astic waste dispersional for United Steam for United as for	Burning Boiler Boiler ed for Unit of total was generation 5.42 MT, stic waste osal (5.4. ration validation validation validation) f logbook it-1 & 2) r (ESP) - 1 - 2 puired for	t-1 & Unit- aste paper n from Unit /day generation 2 MT/day) / lue (7,47 M	2) consumed in Ur t-1 considering n - 7.47 MT/day is much lower lT/day) indicate	
M/s Silv Total: 1 Avg. da Percent generatic Daily was  Potentia waste indigenc 4 % of i Remarks  Air Pollu a. Boiler b. Stack c. APCD i d. Estima @ 1.8	osertoan p  059.03 N illy plastic Non-pap on ste gener al solid generati ous was mported s  ution ma capacity details installed ited steal T/T of pa	apers to a service a solid retion (a) te part de magent ma	disposa d waste /plastic 3% of per and e paper	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the improper  S2 TPH ( Stack He Electro S 374.79 M 471.93 M Total esti MT/day Coal, Bac	Tr/day (combined aste - 2.28 % of -2.28 % of	Burning Boiler Boiler ed for Unit of total was generation 5.42 MT, stic waste osal (5.4. ration validation validation validation) f logbook it-1 & 2) r (ESP) - 1 - 2 puired for	t-1 & Unit- aste paper n from Unit /day generation 2 MT/day) / lue (7,47 M	2) consumed in Ur t-1 considering n - 7.47 MT/day is much lower lT/day) indicate	
Potentia waste indigence Air Pollu a. Boiler b. Stack c. APCD d. Estima  1.8 e. Fuel us f. Fuel co	osed on sure of partial seed on seed o	apers to AT comment waste, ion @ te paper i waste magement aper proper p	disposa d waste /plastic /plastic /plastic /plastic /plastic /per and e paper  ment //plastic /plastic /plastic /plastic /plastic /plastic /plastic /plastic /plastic /plastic /per and /per and /per and /per data /per data	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the improper  \$2 TPH ( \$1 Stack He Electro S 374.79 M 471.93 M Total esti MT/day Coal, Bac provided h	Tr/day (combined aste - 2.28 % of -2.28 % of	Burning Boiler Boiler ed for Union of total wards generation 5.42 MT, stic waste osal (5.4. ration val f logbook it-1 & 2) r (ESP) - 1 - 2 quired for	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / fue (7,47 M	2) consumed in Ur t-1 considering n - 7.47 MT/day is much lower lT/day) indicate	
Potentia waste indigence Air Pollu a. Boiler b. Stack c. APCD d. Estima  1.8 e. Fuel us f. Fuel co	osertoan p  059.03 N illy plastic Non-pap on ste gener al solid generati ous was mported s  ution ma capacity details installed ited steal T/T of pa	apers to AT comment waste, ion @ te paper i waste magement aper proper p	/plastic 3% of per and e paper nent per data 23 to 10 ow:	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the improper  52 TPH ( Stack He Electro S 374.79 M 471.93 M Total esti MT/day Coal, Bac provided b	AT/day (combined aste – 2.28 % of -2 y plastic waste fraw material – d avg. daily plastic waste displastic waste displastic waste displastic waste displastic precipitate of the common for United as for United asset, Rice Hustony unit):	Burning Boiler  ed for Uni of total was generation 5.42 MT, stic waste  osal (5.4, ration val f logbook it-1 & 2)  r (ESP)  1 2 puired for  it-1 & Un	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / lue (7.47 M	2) consumed in Ur t-1 considering n - 7.47 MT/day is much lower lT/day) indicate	
Potentia waste indigence Air Pollu a. Boiler b. Stack c. APCD d. Estima  1.8 e. Fuel us f. Fuel co	osed on sure of partial seed on seed o	apers to AT comment waste, ion @ te paper i waste magement aper proper p	/plastic 3% of per and e paper nent per data 23 to 10 ow:	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the improper  \$2 TPH ( \$1 Stack He Electro S 374.79 M 471.93 M Total esti MT/day Coal, Bac provided h	IT/day (combine aste – 2.28 % of 2.2 y plastic waste fraw material – d avg. daily plastic waste displastic waste displastic waste displastic maintenance of the common for United as a combine for United as a combine for United as a combine for United as a combine for United as a combine for United as a combine for United as a combine for United Bagasse Rice Huston United as a combine for United Bagasse Rice Rice Rice Rice Rice Rice Rice Ric	Burning Boiler  ed for Uni of total was generation 5.42 MT stic waste  osal (5.4. ration val f logbook it-1 & 2)  r (ESP) - 1 - 2 puired for  it-1 & Un  ce Husk	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / lue (7,47 M	2) consumed in Ur t-1 considering n - 7.47 MT/day is much lower lT/day) indicate	
Potentia waste indigence Air Pollu a. Boiler b. Stack c. APCD d. Estima  1.8 e. Fuel us f. Fuel co	osertoan p  059.03 N ily plastic Non-pap on ste gener li solid generati ous was mported s  ation ma capacity details installed ited steal T/T of pa  sed onsumption is	apers to AT comment waste, ion @ te paper i waste magement aper proper p	/plastic 3% of per and e paper nent per data 23 to 10 ow:	Plastic w 1 & Unit- Avg. dail 2.28% o Estimate  Actual pl than the improper  S2 TPH ( Stack He Electro S 374.79 M 471.93 M Total esti MT/day  Coal, Bac provided b 0.10.2024 o al (MT)	IT/day (combine aste – 2.28 % of -2 y plastic waste fraw material – di avg. daily plastic waste displastic waste displastic waste displastic waste displastic maintenance of Common for United as for Uniterial for	Burning Boiler  ed for Uni of total was generation 5.42 MT, stic waste  osal (5.4, ration val f logbook it-1 & 2)  r (ESP)  1 2 puired for  it-1 & Un	t-1 & Unit- aste paper in from Unit /day generation 2 MT/day) / lue (7.47 M	2) consumed in Ur t-1 considering n - 7.47 MT/day is much lower lT/day) indicate	

	Nov	561		2265	1397	.98	9272	.98	
1	Dec	375	0.000	714	2787	.91	7251	.91	
	Jan	152		2450	545		3147		
	Total	120	087	9447	8787	.89	3032	1.89	
g. Avg. daily fuel consumption		Bagasse - Rice Husk	1.38 MT/da - 102.68 MT : – 95.52 MT : <b>daily fuel</b>	/day //day	nela u	220 50			
h. Steam generation from actual fuel consumption @ 3 T steam/ T of coal (Indian), 2.5 T steam/T of Bagasse and 3 T steam/T of Rice Husk			Steam fro Steam fro Steam fro Total avg	im Coal – 39 im Bagasse im Rice Hus	4.14 M - 256.71 k - 286.5 m gener	/day MT/da 66 MT/da ation fr	ay day rom actu	ral fuel consump	
<ul><li>Estimated</li><li>Ø 3 T si</li><li>(Indian), 2</li></ul>	Fuel consum team/ T of 2.5 T steam/	coal		Coal (MT/day)	Bagass (MT/da		ce Husk MT/day)	Total (MT/day)	
Bagasse an	d 3 T steam	/T of	Unit-1	49.80	46.	1	36.21	132.72	
Rice Husk		W/- 1800	Unit-2	62.71	58.		45.59		
			Total	112.51	105.		81.80	299.83	
j. Daily ash g	ed by unit)	125,000	unit is a (combine	acceptable of for both eneration o	and c units)	an be	taken	umption provid as 329.59 M the unit.	
	al (Indian), 2 and 17% of	.5 %	From Co @30 % (MT/day	Baga	sse @	From I Husk 6 17% (MT/d	B)	Total (MT/day)	
			39.41	2.56		16.24	_	58.22	
I. Ash genera consumed (		fuel	17.66 %	of actual fu	iel cons	umptio	n		
m. Mode of ash	Disposal		Provided	to M/s Bulk	Ash Su	pplier	for disp	osal in Cement	
n. Quantity of per data pro	Ash disposa svided by unit	l (as	For durati Unit-2 Total ash Supplier:	ion 01,10.2	023 to a third p T	10.10. arty v	2024 co endor i,	mbined for Uni	
o. Stack Monitoring results		ts	PM - 41.4 Unit-1 & I	mg/Nm³(a	against	80 mg	/Nm³) -	common boiler	
	p. Remark			Actual quantity of ash disposal (31.57 MT/day) to third par vendor is much lower than estimated value of ash generati (58.22 MT/day) indicates unit is not maintaining logbo					
Doeswood 100	NAME OF TAXABLE PARTY.		properly.		C. VIII.				
Hazardous wa		ment	properly.	alconduction of	.0.0810-0	100000			
<b>Hazardous w</b> Authorization s		ment	Authoriza Wastes Ri having va	tion under	the pro- issued t 02.08.2	y UPP	of Haza CB on d	ardous and Othe ated 03.08.202	
<b>Hazardous w</b> Authorization s	tatus ngreement F	with	Authoriza Wastes Ri having va (Refer An	tion under ules, 2016 lidity upto nexure – Il nt made wit	the pro- issued t 02,08,2	y UPP 027	CB on d	ardous and Other ated 03.08.202 aste Manageme	

10		drums (kg)	(kg)	(kg)	(kg)
10.03.2023	10	0	0	0	0
30.08.2022	0	100	480	455	50
26.04.2022	0	485	0	60	0

				26.04.20		485	0	60	0	
Ground water	er Analys	sis resu	its (	ommon t	for Unit-1	& Unit-2) -		1		_
Parameters	рН	Color			Total	Total Alkalinity	CI.	SO <sub>4</sub> -	F.	NO3
Permissible limit as per BIS IS 10500:201	8.5	15		2000	600	600	1000	400	1.5	45
Results	8.0	BDL	07	232	233	200	13	19	0.20	BDL
Parameters	NO <sub>2</sub> -	Na*	K*	Ca <sup>2+</sup>	Mg <sup>2+</sup>	PO <sub>4</sub> 3-	Cond.	As	Cd	Co
Permissible limit as per BIS IS 10500:2012		79		200	100		•	0.05	0.003	*
Results	0.03	13	05	61	20	BDL	400	0.01	BDL	BDL
Parameters	The second secon	Cu	Fe	Mn	Ni	Pb	Sb	Se	V	Zn
Permissible limit as per BIS IS 10500:2012		1.5	0.3	0.3	0.02	0.01		0.01	-	15
Results	BDL	BOL	0.51	0.13	BDL	BDL	BDL	BDL	BDL	0.07

#### 15. Major observations:

1

 There are two manufacturing units in same complex having names M/s Tehri Pulp & Paper (Unit-1) and M/s Tehri Pulp & Paper (Unit-2).

2. It was observed that the industrial complex has 03 no. of Borewells in its premises and electromagnetic flowmeters with totalizer found installed at all 03 borewells. The logbook for all borewells found maintained. Groundwater abstracted from Borewell-1 and Borewell-2 is combined stored in common freshwater reservoir of 500 KL capacity and then distributed to Unit-1 and Unit-2, whereas the Borewell -3 is dedicated for meeting Boiler (common for Unit-1 & Unit-2) water requirements.

Unit is reusing partially treated effluent after primary clarifier to pulping section and installed electromagnetic flow meter with totalizer and maintained logbook for the same.

 Unit is non-compliance w.r.t consented discharge norms for BOD (56 mg/l against 20 mg/l), COD (234 mg/l against 150 mg/l), TSS (40 mg/l against 30 mg/l) and TDS (1724 mg/l against 1600 mg/l).

5. Sludge generated from Primary clarifier is being recycled to Pulper and sludge generated from secondary clarifier is stored in Sludge drying beds and then fed into Belt press (common for unit-1 &2) for mechanical dewatering and then mixed with bagasse and coal for using as boiler fuel. No record has been maintained for quantity of sludge generated, recycled or used as fuel in boiler.

 For disposal of non – recyclable solid waste/plastic waste, a combined agreement of Unit-1 & 2 has been made with M/s K.K. Duplex and Paper Mills Pvt. Ltd., M/s Silvertoan Papers Limited, which have installed waste to energy boiler and M/s Harshit Trading Company.

As per the data provided by unit, the avg. daily non-paper solid waste provided to third
party vendors from Unit-I & Unit-II is 11.51 MT/day which is less than the estimated
plastic waste generation rate of 15.87 MT/day from both the units, indicates unit is not
maintaining the logbook properly.

 It was observed that the unit has installed has a common boiler of 52 TPH capacity for meeting steam requirements in Unit-1 and Unit-2.

9. For disposal of generated ash, a combined agreement of Unit-1 & 2 has been made with M/s Bulk Ash Supplier (i.e. third party vendor) for final disposal in cement plant. As per the data provided by unit, the avg. daily quantity of ash provided to third party vendor is 31.57 MT/day which is much less than the estimated avg. daily ash generation quantity (i.e. 58.22 MT/day), indicates poor record keeping of boiler ash generation & disposal.

	2.	Non-compliance w.r Poor record keeping	r.t. consented dischar for generation & dis- er consumption is no	ge norms posal of plastic waste an t maintained properly.	d boiler ash				
16.	Compliance Status								
000000	As per l	Discharge norms: N	on-complying						
.,,	a. b. c. d.	Unit shall install s effluent (treated/pa Unit shall maintain sludge (dewatered) Unit shall maintain ash Unit shall install tot.	eparate flow meter rtially treated) reused record of primary s used in Belt press. proper logbook for g alizer at ETP outlet an	et the consented dischar with totalizer for meas I in process separately for ludge reused in pulping generation & disposal of ad maintain logbook for t	surement of quantity or Unit-1 & Unit-2. g section and secondar plastic waste and boile				
18.	f.	ETP inlet logbook sh ion team details:	nall be maintained usi	ng readings of inlet total	lizer instead of v-notch.				
10.	Sr.No.		Designation	Organisation	Signature with				
	1.	Dr. R.K. Singh	Scientist - D	CPCB	DHAR				
	2.	Mr. Imran Ali	AEE	UPPCB	Or				
	3.	Mr. Ashish	Hydrologist	UPGWD	0				
	4.	Ms. Shivangi	RA - II	СРСВ	Q., a., al.;				
	77.	Goswami			(G. Muvarg				
	5.	Mr. Ankit Shukla	SRF	СРСВ	Gullevarg?				

#### Photographs





#### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828.2720831, Fax:0522-2720764, Email: info@uppeb.in, Website: www.uppeb.com

192460/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 27/10/2023

To,

M/sTEHRI PULP AND PAPER LTD UNIT 1

9th K.M stone Bhopa Road Muzaffarnagar, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution) Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

#### Application no. 22681474

Date :- 2023-09-08

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s TEHRI PULP AND PAPER LTD UNIT 1 located at 9th K.M stone Bhopa Road Muzaffarnagar, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:

- 1.1 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit	Permitted by the Board	
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	WASTE PAPER BASED-250 MT/DAY, AGRO WASTE BASED-150 MT/DAY, Caustic, Rosin, Alum	KRAFT PAPER - 250 MT/DAY, Turbine 8 MW	KRAFT PAPER - 250 MT/DAY, Turbine 8 MW

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the	unit	Permitted by the
		Numbers	Usage / Process operation	Board

 Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.

> PRADEEP SHARMA

Digitally signed by PARROY SHARKA.

- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

#### A. Fresh water consumption

- Categorization of existing groundwater area: Safe/ Semi critical / Critical / Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2025-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed		
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced		
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards			
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper		

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

#### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

PRADEEP SHARMA Digitally signed by PRADGEP SHARMA Date: 2023.11.17 12:59:49 + 65°30'

S.No	CCA is valid for	Declared by the unit	Permitted
1	- 1300 KLD	1300 KLD	1300 KLD THROUGH ETP - IRRIGATION/GREEN BELT/DHANDERA DRAIN

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only,
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- v Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the remaining treated effluent after achieving the norms as mentioned below shall be disposed off into the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 – 8.5	6.5 - 8.5	6.5 - 8.5	No discharge is allowed
TSS, mg/I	<= 30	<30	<30	No discharge is allowed
BOD, mg/l	<= 20	<20	< 20	No discharge is allowed
COD, mg/	<= 200	<150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed

Color, PCU	<= 250	< 150	< 150	No discharge is
AOX, mg/l	<= 8	-	-	No discharge is allowed
SAR	<= 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -

 This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	5.0
2	Treatment facility	N
3.	Discharge point	SEPTIC TANK

- \* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; ECF bleaching for a
- Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
--------	-----------	------	------------------	---	-----------------------------

1	1 X 52 TPH BOILER	BIOMASS/LOW SULPHUR COAL - 400 MT/DAY	60 Meter Stack Height From Ground Level	ELECTRO STATIC PRECIPITATOR (ESP)	AS PER CAQM DIRECTION
2	1 X 14 TPH BOILER	BIOMASS FUEL	30 Meter Stack Height From Ground Level		AS PER CAQM DIRECTION
3	1 X 1250 KVA DG SET	Diesel/PNG/GAS	7 METER ABOVE STACK HEIGHT FROM NEAREST ROOF LEVEL	ACCOUSTIC ENCLOSURE	AS PER CAQM DIRECTION
4	1 X 500 KVA DG SET	Diesel/PNG/GAS	5 Meter Above Stack Height From Nearest Roof Level	ACCOUSTIC ENCLOSURE	AS PER CAQM DIRECTION
5	1 X 1000 KVA DG SET	Diesel/PNG/GAS	6 Meter Above Stack Height From Nearest Roof Level	ACCOUSTIC ENCLOSURE	AS PER CAQM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit < operating in NCR > the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:

Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
as is required for meeting the ambient noise standards for night and day time as prescribed for
respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards forNoise	level in db.(A) Leq	
Industr	ial Area		rcial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved
  within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be
  considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

PRADEEP Cligitally signed by PRADEEP SHARMA Date: 2023.11.17 13:01:19:+0530'

- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior approval before making any modification in product/ process/ fuel/ plant machinery failing which consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- 12. made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.

PRADEEP SHARMA Digitally signed by PRADEEP SHARMA Date: 2025, 11.17 13:01:37 +05'30'

- The unit shall maintain and provide Inspection Book' at the time of inspection to the Board's officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

- I. This CTO is valid only for the production capacity of KRAFT PAPER 200 MT/DAY (WASTE PAPER BASED-250 MT/DAY) AND KRAFT PAPER 50 MT/DAY (AGRO WASTE BASED-150 MT/DAY), Caustic, Rosin, Alum etc. and Turbine of capacity 8 MW only at site 9TH K.M. STONE BHOPA ROAD, DISTRICT- MUZAFFARNAGAR, 251001, U.P.
- 2. The industry must complying the conditions of NOC obtained by UPGWD for abstraction of ground water,
- 3. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.
- 4. Only approved fuel is permitted as per CAQM direction.
- 5. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis by LIMS Portal from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 7. In case of any change in production capacity/ process/raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 8. Industry must install STP within 3 months for treatment of domestic effluent and submit the proposal for the same in the Board within one month.
- Unit must ensure strict time bound compliance of suggestion/recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp and Paper Industries" formulated by CPCB.
- 10. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 11. The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
- This CTO order shall automatically become invalid on issuance of Closure Order by C.P.C.B/UPPCB and further on Revoking of Closure order, the Consent order shall become valid.
- 13. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels as per direction given by CAQM.
- 14. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available' as one-time as per CAQM direction dated-16.12.2022.</p>
- 15. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 16. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.

  PRADEP

  Digitally signed by PRADEEP SHARMA

  Date: 2023.11.17

SHARMA

13:01:54 +05'30'

- 17. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 18. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 19. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 20. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 21. The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 22. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process. No Treated water shall be discharge outside the factory premises in any circumstances.
- 23. Industry shall install/operate at sufficient height from the ground level Open to Network HD PTZ Camera at the outlet of ETP and its URL and password shall be provided to the UPPCB Control room.
- 24. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 25. Industry shall install and maintain Online Continuous Effluent and Emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- Industry shall comply the order passed by Hon'ble NGT time to time.
- 27. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board.
- 29. Industry shall not use furnace oil/pet coke as a fuel,
- 30. Industry shall ensure proper disposal of boiler ash.
- 31. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 32. The unit shall submit the audited balance sheet for the current year.
- 33. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.
- 34. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 35. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 36. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from

the ETP shall be used for forestation.

37. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

PRADEEP SHARMA

Digitally signed by PRADEST SHARMA Own: 2022 TEAT 1200-24 +85'38'

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA

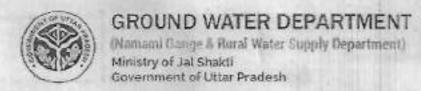
Digitally signed by PRADEEP

PRADEEP SHARMA

Digitally signed by PRADEEP

Gene 2022 II. 1712 2018 4-167307

Chief Environmental Officer (Circle 3)



#### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC012696 VALID FROM 31/03/2022 TO 30/03/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019).

egistration No.: 2022	02000387		
Name of the Owner	SACHIN AGRAWAL		
Designation चह	G. M. ENVIRONMENT	Company Name कंपनी का नाम	TEHRI PULP AND PAPER LIMITED
Company Address कंपनी का पता	9TH KM,BHOPA ROAD,MUZAFFARNAGAR.	Authorization Letter प्राचिकार पत्र	Download
Address of the Applicant	122.SOUTH BHOPA ROAD, NEW MANDLMUZAFFARNAGAR UTTAR PRADESH	Application Form Serial No.	MZFN0322N)N0108
Date of Submission	28/02/2022	Specimen Signature	
Location Particulars			15
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	YTH KM BHOPA ROAD,MUZAFFARNAGAR	Municipality/Corporation	Na
and No./Holding No.			N/A
Particular of the Existin	ng Well and Pumping Device		
Date of Construction/Sinking of the Well	20/03/1997		
Type of Well	Tube Well/Boring	Depth of the Well (In moter)	125.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube	Well)		
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	150.00

of Energization (In Case of Electric Pump)

Maximum Allowable Rate 150.00

of Withdrawal (m²/hr.):

Maximum Allowable Annual Extraction of Ground Water:

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3), for Running Hours per day as shown at St. (3k), and for maximum allowable enrural extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overlast.

367586.00

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed woll, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawed and pumping device in respect of the proposed well as indicated at 5L (2) and (3) of this authorization
   Any deviation in this regard shall lead to cancellation of the
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of
  pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved.
   The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the
- In case of any change of ownership of the existing well, seah registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate
  shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- In case, any of the particulars t information furnished by the applicant in his application for issuance of this registration is found to be incorrect
  during vertication at any subsequent stage, this registration is liable for sancellation.
- The Certificate of Authorization/ NGC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renowal through a fresh application, at least ninety days prior to expliny of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be maddatory for user. Depth and zone rapped of
  prezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made explicitly
  of this office on monthly basis.
- · Suidelines for installation of Piezometers and their Monitoring

Prezonster is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are a follows:

- The pleasureter is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The districtor of the prezimeter about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water agurfer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

SNo Qu	Quantum of Ground water withdrawal (cum/day)	No. of plezameters required	Monitiring Mechanism	
		1. We presented and ordered	Manual	DWLR with Telemetry
1	<10	0	0	0
3	11 - 50	TE TE	1	0
3	50-500	1	0	
4	> 500	2	0	7

- The measuring frequency should be monthly and accuracy of measurement should be up to om, the reported measurement should be given in mener upto two decimal.
- For measurement of water level sconder or automatic water (evel recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with talemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Process, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director,
  Ground Water Department, Ultur Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken core of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars Linformation furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by Industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water
- II) All indistries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in expans of 100 m<sup>2</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and industry (FICCI)/ National Productivity Council (NPC) certified auditors and authorize audit reports within three months of completion of the same to Ground Water Department Ultrar Products. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- (iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no 10 shall be manitatory for industries drawing/ proposing to draw more than 10 m² /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bare well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted ordine to the Ground Water Department, UP.
- v) The proporent shall be required to adopt roof top rain water hervesting/ rechange in the project premises. Industries which are likely to pollute
  ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tennery, pesticides/ insecticides, fertilizers, slengitter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to ceuse ground water pollution e.g. Tansing, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washerlas, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge
  rate justing a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results
  should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>2</sup> /day.
   The water from STP shall be utilized for toilet flushing, car washing, gardening eto

Date:07/06/2822

Place:Muzaffar Nagor

This certificate is electronically generated and does not require digital signature



### GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC018076 VALID FROM 31/03/2022 TO 30/03/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

#### 'egistration No.: 202203000001

Name of the Dwner	SACHIN AGRAWAL		
Designation uz	G. M. ENVIRONMENT	Company Name रूपनी वह स्टाम	TEHRI PULP AND PAPER LIMITED
Company Address कंपनी का पता	9TH KM BHOPA ROADMUZAFFARNAGAR	Authorization Letter प्राचिकार पत्र	Download
Address of the Applicant	122, SOUTH BHOPA ROAD, NEW MANDI, MUZAFFARNAGAR, UTTAR PRADESH	Application Form Serial No.	MZFN03Z2NIN010
Date of Submission	01/03/2022	Specimen Signature	
Location Particulars			
District	Muzalfar Nagar	Block	0
Plot No./Khasra No.		BIOCE	MUZAFFARNAGAR
Piot NO./Kitasta No.	9TH KM BHOPA ROAD, MUZAFFARNAGAR	Municipality/Corporation	No
and No./Holding No.			N/A
Particular of the Existin	ng Well and Pumping Device		
Date of Construction/Sinking of the Well	20/03/1997		
Type of Well	Tube Well/Boring	Depth of the Well (list meter)	125.00
Purpose of well	Inclustrial	Assembly Size(For Tube Well)	
trainer Position (For Tube	Well)		
ype of Pump Used	Submersible	H.P. of the Pump	30.00
Perational Device	Electric Motor	Rate of Wilhdrawal (m <sup>3</sup> /hr.)	150.00

ute of Energization (In Case of Electric Pump)

Maximum Allowable Rate 1 of Withfrawal (m³/hr.):

150.00

27/03/1997

Maximum Allowable Running Hours Per Day

8.00

Maximum Allowable Annual Extraction of Ground Water:

420000.00

This No Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of
  purposing devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved.
   The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water mesers.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the aduction to demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate
  shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- In case, any of the particulars i information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of prezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and some topped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- · Guidelines for installation of Piezometers and their Monitoring

Piezometar is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installishon of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometers are installed the second piezometer should incolor the shallow ground water regime. It will facilitate shallow as well as
  desper ground water equifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

S.No	Quantum of Ground water withdrawal (cum/day)	No of plezometers required	Monitring Mechanism	
		no or peronentia regulato	Manual	DWLR with Telemetry
1	<10	0	0	0
- 2	11 - 50	1	1	0
3	50-500	1	0	
4	> 500	2	0	2

- The measuring frequency about be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the prezon ever into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation.
- The ground water quality has to be inonitiosed twice in a year during pre-monscon (May/June) and post-monscon (October/November) periods. Quality may be got analyzed from NASL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director.
   Ground Water Department, Otter Predesh, for chemical analysis.
- A Permanent display board should be installed at plezometer/Tube wells site for providing the location, plezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding fafety and access for measurement may be taken core of
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars t information furnished by the applicant in his application for is square of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for concellation.
- . SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by Industries shall be granted subject to the following specific conditions:
- ii No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- III) All incustries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) cantified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Products. All such inclustries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
  - iv) Construction of observation well(s) (prezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be manuatory for industries drawing/ proposing to draw more than 10 m² /day of ground water and. More long of water level shall be done by the project proportent. The prezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Dopth and aquifer zone tepped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP:
- v) The preparent shall be required to edopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute
  ground water (chemical, pharmacquitical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, sloughter house, explosives
  etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquiller system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal watheres, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (8) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- f) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge
  rate (using a digital water flow moter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results
  should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mendatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day.
   The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

-ate:07/06/2022

Piece:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



#### GROUND WATER DEPARTMENT

(Namami Gange & Baral Water Supply Department)
Ministry of Jal Shakti
Government of Uttar Pradesh

Form 8 (C)

See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC018699 VALID FROM 31/03/2022 TO 30/03/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

legistration No.: 202203000002

Name of the Owner	SACHIN AGRAWAL	901081E-12-14	100
Designation UC	G. M. ENVIRONMENT	Company Name कंपनी का नाम	TERRI PULP AND PAPER LIMITED
Company Address कंपनी सर प्रशा	9FH KMLBHOPA ROAD, MUZAFFARNAGAR.	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	122,50UTH BHOPA ROAD, NEW MAND, MUZAFFARNAGAR, UTTAR PRADESH	Application Form Serial No.	MZFN8322NIN011
Date of Submission	01/03/2022	Specimen Signature	
Location Particulars			
District	Muzaffar Nager	Block	MUZAFFARNAGAR
Plot No Æhasra No.	9TH KM BHOPA ROAD,MUZAFFARNAGAR	Municipality/Corporation	No
Yard No./Helding No.			N/A
Particular of the Existin	ng Well and Pumping Device		
Date of Construction/Sinking of the Well	20/03/1997		
Type of Well	Tube Well/Boring	Depth of the Well (In metes)	12500
Purpose of well	Inclustrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube	Well)		
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	150.00

of Energization (In Case of Electric Pump)

daximum Allowable Rate 150.00 of Withdrawal (m<sup>3</sup>/hr.);

28/03/1997

Maximum Allowable Running Hours Per Day:

8.00

Maximum Allowable Annual Extraction of Ground Water:

420000.00

This No-Objection pertificate authorizes the owner applicant (user) to siak a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3)), for founding Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overlepf.

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to concellation of this authorization.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at order of
  pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved.
   The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate
  shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NDC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a tresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- · Guidelines for Installation of Piezometers and their Meritoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tapes' sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. Centeral guidelines for installation of prezometers are as follows:

- The plazometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the puzzometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

S.No	Quantum of Ground water withd	rawal (ourn/day)	No. of plezometers required	Monitring Mechanism		
			THE OF PRESIDENT PERSONS	Manual	DWLR with Telemetry	
1	<10		0	0	0	
2	11 - 50		t	1	0	
3	50-500		1	0	1	
4	>500		2	· O	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The messurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradech, and for its
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Utter Prodesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, plezometer/ tube well number. depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- . In case, any of the particulars (information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific
- . I) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired
- ii) All industries shall be required to acopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake unnual water auch through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Utter Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- (v) Construction of observation well(s) (prezimeter)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup> /day of ground water and Monitoring of water level shall be done by the project proponent. The plezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and equifer zone tapped in the piezometer shall be the same as that of the pumping wall/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water horsesting/ recharge in the project premises. Industries which are likely to pollute. ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, peaticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the hervested rain water in surface storage tanks for use in the industry.
- vi) injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vir) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochomical, Cool washenes, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital waterflow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection er reporting as required by Exstrict Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> / Gay. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date:07/06/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



## UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppch.com Website: www.uppcb.com

Ref. No: 17515/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated:03/08/2022

To.

M/s TEHRI PULP AND PAPER LTD UNIT 1

9th K.M stone Bhopa Road Muzaffarnagar, MUZAFFAR NAGAR, 251001

Tehsil:MuzaffarNagar

District : MUZAFFARNAGAR

Sub: - Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 17515 and 03/08/2022.
- Reference of application (No. and date) 16681133 and 09/06/2022.
- Mr SACHIN AGARWAL of M/s TEHRI PULP AND PAPER LTD UNIT 1 is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 9th K.M stone Bhopa Road Muzaffarnagar.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 33.2 AS PER SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.125 MT/Annum
2	CATEGORY 33.1 AS PER SCHEDULE I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGH TSDF	1.5 MT/Annum
3	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGH TSDF	0.375 MT/Annum
4	CATEGORY 33.2 AS PER SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	3.0 Mt/Annum

- The authorization shall be valid for a period of 02/08/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).
- A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous
  and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be RAKESH KUMAR TYAGI KUMAR TYAGI KUMAR TYAGI KUMAR TYAGI RUMAR TYAGI RUMAR TYAGI RUMAR TYAGI RUMAR TYAGI RUMAR TYAGI RUMAR TYAGI

properly trained.

- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter, You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter. Digitally signed by RAKESH RAKESH KUMAR

TYAGI

KUMAR TYAGI Date: 2022,08.11 21:30:58 +05'30'

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

( Authorized Signatory )

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022.08.11 21:31:14 +05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action.

RAKESH KUMAR TYAGI

Date: 2022.08.11 21:31:28 +05:30'

CEO/EE, I/C Circle

## INDUSTRY INSPECTION REPORT (PULP & PAPER)

### Date of inspection:11.01.2024

	1000	A	P. L.	Marie Control
•	Contract	SOFT	sect	ion

1.	Name of the unit with complete postal address:	M/s Tehri Pulp & Papers Ltd. (Unit-2), 09 <sup>th</sup> km stone, Bhopa road, Muzaffarnagar, Uttar Pradesh - 251001
2.	Spatial Co-ordinates (Latitude & longitude)	29.469275, 77.793139
3.	Industry Operational status	Operational
4.	Consent status	Consolidated Consent to Operate and Authorization (CCA) dated 15.03.2022 issued by UPPCB under section – 25 of Water Act, 1974 and under section – 21 of Air Act, 1981 having validity upto 31.12.2026 (Refer Annexure – I)

5.	Pr	ocess		Manufacturing of Kraft paper using waste paper(imports indigenous)as raw material.							
6.	Ra	w material									
		Consented v		Waste pap	Waste paper - Quantity not mentioned in CCA						
	b.	Actual raw r	naterial consu	mption (as per record provided by unit):							
		Month	Indigenous waste paper (MT)	Imported waste paper (MT)	Total waste paper (MT)	Starch powder (MT)	Stone (MT)	Total raw material (MT)			
		Oct - 2023	6873.10	0.00	6873.10	271.40	472.90	7617.40			
		Nov-2023	5549.10	1654.20	7203.30	265.00	255.10	7723.40			
		Dec - 2023	6505.70	1702.80	8208.50	269.20	368.80	8846.50			
		Jan - 2024	2355.20	0.00	2355.20	83.60	136.20	2575.00			
		Total Estimated da	21283.10	3357.00	24640.10	889.20	1233.00	26762.30			
				Avg. daily	starch powder	nsumption	- 13.40 MT	/day			
7.	_	oduction		Avg. daily Total daily MT/day	soap stone co y raw materi	nsumption ial consum	- 13.40 MT	/day			
7,	a.	Consented v	The second second	Avg, daily Total daily MT/day  Kraft Paper	soap stone co y raw materi	nsumption ial consum	- 13.40 MT	/day			
7,	a.	Consented v Actual Produ	ction	Avg, daily Total daily MT/day  Kraft Paper Month	soap stone co y raw materi r @ 350 MT/d. Produc	nsumption ial consum ay tion (MT)	- 13.40 MT	/day			
7.	a.	Consented v Actual Produ (as per recor	The second second	Avg, daily Total daily MT/day  Kraft Paper Month Oct - 20	soap stone co y raw materi r @ 350 MT/d. Produc	ay 6511.00	- 13.40 MT	/day			
7.	a.	Consented v Actual Produ	ction	Avg, daily Total daily MT/day  Kraft Paper Month Oct = 20 Nov = 2	soap stone co y raw materi	ay tion (MT) 6511.00 7047.00	- 13.40 MT	/day			
7.	a.	Consented v Actual Produ (as per recor	ction	Avg, daily Total daily MT/day  Kraft Paper Month Oct = 20 Nov = 2 Dec = 2	soap stone co y raw materi r @ 350 MT/d. Produc 023 023	ay tion (MT) 6511.00 7047.00 8106.00	- 13.40 MT	/day			
7.	a.	Consented v Actual Produ (as per recor	ction	Avg, daily Total daily MT/day  Kraft Paper Month Oct - 20 Nov - 2 Dec - 2 Jan - 20	soap stone co y raw materi r @ 350 MT/d. Produc 023 023	ay tion (MT) 6511.00 7047.00 8106.00 2457.00	- 13.40 MT	/day			
77.	a. b.	Consented v Actual Produ (as per recor unit)	ction rd provided by	Avg, daily Total daily MT/day  Kraft Paper Month Oct = 20 Nov = 2 Dec = 20 Jan = 20 Total	soap stone co y raw materi r @ 350 MT/d. Produc 023 023 023	ay tion (MT) 6511.00 7047.00 8106.00	- 13.40 MT	/day			
77.	a. b.	Consented v Actual Produ (as per recorunit)  Estimated de	ction	Avg, daily Total daily MT/day  Kraft Paper Month Oct = 20 Nov = 2 Dec = 20 Jan = 20 Total 262.18 MT,	50ap stone co y raw materi r @ 350 MT/d. Product 023 023 023 024	ay tion (MT) 6511.00 7047.00 8106.00 2457.00	- 13.40 MT	/day			
7.	a. b. c. d. e.	Consented v Actual Produ (as per record unit)  Estimated da Yield (%) Estimated no generation	ction rd provided by oily production on-paper wast	Avg, daily Total daily MT/day  Kraft Paper Month Oct - 20 Nov - 2 Dec - 20 Jan - 20 Total 262.18 MT, 90.13 % of	soap stone co y raw materi  © 350 MT/d.  Product 023 023 023 024 /day raw material	ay tion (MT) 6511.00 7047.00 8106.00 2457.00	- 13.40 MT	/day			
77.	c. d. e.	Consented v Actual Produ (as per record unit)  Estimated da Yield (%) Estimated no generation esh water co	ction rd provided by oily production on-paper wast	Avg, daily Total daily MT/day  Kraft Paper Month Oct = 20 Nov = 2 Dec = 20 Jan = 20 Total 262.18 MT, 90.13 % of	soap stone co y raw materi r @ 350 MT/d. Product 023 023 023 024 /day f raw material ay	ay tion (MT) 6511.00 7047.00 8106.00 2457.00 24121.00	- 13.40 MT	7/day 0.89			
	c. d. e. Fre	Consented v Actual Produ (as per record unit)  Estimated da Yield (%) Estimated no generation	of provided by on-paper wastensumption GWA/other	Avg, daily Total daily MT/day  Kraft Paper Month Oct = 20 Nov = 2 Dec = 20 Jan = 20 Total 262.18 MT, 90.13 % of	y raw materi  © 350 MT/d.  Product  023  023  023  024  (day f raw material ay  e NOCs issue UPGWD) for 0  0.03.2027  both units i.e.	ay tion (MT) 6511.00 7047.00 8106.00 2457.00 24121.00 d by Uttar II 3 nos. of B	- 13.40 MT ption -29 Pradesh Gro orewells, al	0.89			

	TSS (mg/l)	452	15 1396	5/	D mg/l	Complia	ance	50 mg/l	Compliance	
-					477	Compli		With the second second	Compliance	
	BOD (mg/l)	870	42	-	0 mg/l	Non -	100	30 mg/l	Non -	
3	COD (mg/l)	2002	194	_	50 mg/l	Complia		350 mg/l	Compliance	
	pH	6.5	8.0	7	.0 - 8.5	Complia	ance	7.0 - 8.5	Compliance	
	Parameter	ETP inlet	ETP outlet	237	orms as er consent	Complia w.r.t. c		Norms notified by MoEF&CC	Compliance w.r.t. notified	
	Effluent Characteristics					grt		2202 111 7111		
	e. OCEMS at ETP outlet				OCEMS was found installed at ETP outlet and provide connectivity with CPCB/SPCB server.  Reading noted during visit: pH: 7.61; TSS: 19.78mg/l; BOD: 12.55 mg/l; COD: 108.01 mg/l; Flow: 19.31 m³/hr					
	e. OCEMS w	ETP ou	tlet		Flow at inlet: 10 m <sup>3</sup> /hr; 364185 m <sup>3</sup> .					
	d. Operation	al statu	5		Operational during visit					
					ETP outlet	outlet V-notch and ultrasonic type flow meter without totalizer installed logbook maintained		c type flow er installed and		
	7						totalizer installed at common line carrying partially treated effluent after primary clarifier of ETP in unit- and Unit-2 to Pulp mills in Unit-1 and Unit-2; common logbook maintained			
					mai		maint	h totalizer installed but logbook intained only for v – notch ctromagnetic flow meter with		
	c. Metering	at ETP			ETP inlet V-notch, ultrasonic type flow meter					
	b. Installed capacity			Multi Grad 2000 KLD		4.1				
	an air consi	m arr consider of			Primary cl	arifier -/	Veration	tank – Hill scree tank – Seconda	n - Sedicell - ry Clarifier -	
10.	a. ETP consists of					Faur	land's c	test tour	4.0-0	
-	h. Specific effluent discharge				2.47KL/M		er produ	ction		
	g. Losses in ETP %				2.5 % aga generated	ainst typi I sludge	cal 2-39	% in form of moi	sture in	
	(as per ETP outlet logbook)  f. Estimated dally effluent discharge				649.80KL	D	-20(11)	Section Businessing	74.678	
	e. Actual effli	uent dis	charge	۵.	59781.60	KL (durin	g 01.10	.2023 - 10.01.2	024)	
	d. Actual recy effluent wi	veling of	treated		Total avg.	daily red	cycled	1692.04	KLD	
	c. Estimated	daily ef	fluent		2402,38 k	CLD	10-		-VEV	
	b. Actual effli	uent ger	neration			L (during	01.10.	2023 - 10.01.20	24)	
**	a. Consented discharge value			700 KLD						
9.	consumpt	consumption Effluent Management				Produc				
	quantity e. Specific fresh water 2				.92KL/MT o	f product				
	d. Actual with	thdrawa	1	15	combined for 68 KLD	d for both units i.e. Unit - 1 & Unit - 2)				
	c. Permitted	withdr	awal	Unit-1 & Unit-2) water requirements 3450 KLD						
				B	Borewell - 3	is dedica	ated for	d to Unit-1 and I meeting Boiler (	Jnit-2 common for	

	AOx	-2	BDL	1.0 kg/tor of product		ance	1.0 kg/ton o	of Compliance			
	Sulphide (mg/l)	*	2.8	-	-8		*	-			
	Aeration T	TE	05 - 1430		VSS: 1257	mg/l					
	f. ETP Stu- Biological st (as per logb	udge ge ook)	eneration	Sludge to Pulp	No data provided for quantity of sludge used as fuel						
2000	Daily sludge Specific slud Sludge disposal		eration	& mixed v							
	Estimated sludge generation @ 30 % of inlet TSS load				T/day						
	Remark	5330		maintai	ned by the	unit	ge generation	8. disposal is not			
11.	Non-paper s Plastic waste	olid wa	ste gener	rated (As pe	r logbook):			46			
	Sold to	.coe.yab		Quantity	Agre (Yes	ement (No)	Methodology at disposal s	ite			
	M/s KK Du Mills Pvt, L	td.	V-1-244-CC	666.28 M	IT Yes		Burning in R Boller	DF based			
	M/s Harshi Company,	Chittor	arh	334.68 M			Further sold to Cement plant				
				58.07 MT	Yes		Burning in R Boiler	DF based			
	Total: 1059.03 MT Avg. daily plastic waste disposal – 11.51 MT/day (combined for Unit-1 & Unit-2)										
	Percent Non generation	-paper	solid was	ste Plastic	Plastic waste = 2.28 % of total waste paper consumed in Unit-1 & Unit-2						
	Daily waste	generat	tion	Avg. da 2,28%	Avg. daily plastic waste generation from Unit-2 considering 2,28% of raw material — 6.09 MT/day  Estimated avg. daily plastic waste generation — 8,40 MT/day  f						
	Potential waste/plas generation indigenous and 4 % of paper	(e was	te pap	lid Estimat te MT/day of er							
	Remarks			than the indicate disposa							
12.	a. Boiler cap		agemen		(Consumo I	wa start.	. 0. 23				
1	b. Stack det				(Common f		1 (x 2)				
1	c. APCD inst				Stack Height - 62 m Electro Static Precipitator (ESP)						
	d. Estimated requirement @ paper produce		stea 1.8 T/T	m 374.79 of 471.93	374.79 MT/day for Unit - 1 471.93 MT/day for Unit - 2 Total estimated steam required for Unit-1 & Unit-2 is 846.72						
1	e. Fuel used	8		The second secon	gasse, Rice	Husk					
	f. Fuel cons	umption tion 01.	10.2023	data provide to 10.10.202	d by unit):		it-1 & Unit-2	the actual Fuel			
	- and and a state of	100		Coal (MT)	Bagasse	Rice	lusk Total				
					(MT)	(MT)	(MT)				

		Nov	561	0	2265	1397	.98 9	272.98	
		Dec	375	0	714	2787	.91 7	7251.91	
		Jan	152		2450	545	3	3147	
		Total	120	87	9447	8787	.89	0321.89	
	g. Avg. daily fuel consumption			– 102.68 k – 95.52 g. daily fi	MT/day MT/day		9.58 MT/da <sub>)</sub>	,	
	actual fue 3 T ste (Indian), Bagasse a Rice Husk	h. Steam generation from actual fuel consumption @ 3 T steam/ T of coal (Indian), 2.5 T steam/T of Bagasse and 3 T steam/T of Rice Husk		Steam fro Steam fro Total avg	om Bagas om Rice I g. daily st	se – 256.7 lusk – 286. team gene	1 MT/day 56 MT/day ration from	actual fuel ed value for	Unit-1 &
	i. Estimated @ 3 T si (Indian), 2	Fuel consum team/ T of 2.5 T steam	coal		Coal (MT)	Bagasse (MT)	Husk (MT)	Total (MT)	
	Bagasse at	nd 3 T stean	n/T of	Unit-1	49.80	46.71	36.21	132.72	
	Rice Husk			Unit-2	62.71	58.81	45.59	167.11	
				Total	112.51	105.52	81.80	299.83	
1	j. Daily ash				CAST STREET, SE	ed for both	(units)		as 329
	per data pr k. Estimated 30 % of c % of baga	rovided by u ash generati coal (Indian) asse and 17	nit) ion @ ), 2.5	From Co @30 %	eneratio	om agasse @	From Rice Husk @	Total	nit.
	per data pr k. Estimated 30 % of c	rovided by u ash generati coal (Indian) asse and 17	nit) ion @ ), 2.5	Fly ash g	enerational Fr	n data no	From Rice	Total IMT/da	nit.
	per data pr k. Estimated 30 % of c % of baga rice husk c	rovided by u ash generati coal (Indian) asse and 17 onsumed	nit) ion @ ), 2.5 % of	From Co @30 %	eneratio	om agasse @ 5%	From Rice Husk @ 17%	Total IMT/da	nit.
	per data pr k. Estimated 30 % of c % of baga rice husk c  l. Ash genera consumed	rovided by u ash generational (Indian) usse and 17 onsumed ation w.r.t o (%)	nit) ion @ ), 2.5 % of	From Co @30 % (MT/day 39.41	enerations al Fr Bi () 2. (N	n data no om agasse @ 5% AT/day)	From Rice Husk @ 17% (MT/day) 16.24	Total IMT/da	nit.
	per data pr k. Estimated 30 % of c % of baga rice husk c l. Ash genera consumed m.Mode of as	rovided by u ash generational (Indian) usse and 17 onsumed ation w.r.t o (%)	nit) ion @ ), 2.5 % of	Fly ash g From Co @30 % (MT/day 39.41 17.66 %	eneration (A) (A) (A) (A) (A) (A) (A) (A) (A) (A)	om agasse @ 5% AT/day) 56	From Rice Husk @ 17% (MT/day) 16.24 sumption	Total IMT/da	nit.
	per data pr k. Estimated 30 % of c % of baga rice husk c l. Ash genera consumed m.Mode of as n. Quantity of per data pr	rovided by u ash generational (Indian) asse and 17 onsumed ation w.r.t o (%) h Disposal	nit) ion @ i, 2.5 % of ffuel al (as nit)	From Co @30 % (MT/day 39.41 17.66 % Provided plant For durat 1 & Unit- Total ash Supplier:	of actual to M/s Etion 01.12 provide 2905.66	om agasse @ 5% AT/day) 56 If fuel cons bulk Ash S 0.2023 to d to third B MT	From Rice Husk @ 17% (MT/day) 16.24 sumption upplier for 10.10.20; party vene	58.22 disposal in 24 combine dor i.e. M/s	Cement
	per data pr k. Estimated 30 % of c % of baga rice husk c l. Ash genera consumed m.Mode of as n. Quantity of per data pr	rovided by u ash generational (Indian) asse and 17 onsumed ation w.r.t o (%) h Disposal	nit) ion @ i, 2.5 % of ffuel al (as nit)	From Co @30 % (MT/day 39.41 17.66 % Provided plant For durat 1 & Unit- Total ash Supplier: Avg. daily	of actual to M/s Etion 01.1 2 provide 2905.66 y ash dis 4 mg/Nm	om agasse @ 5% AT/day) 56 If fuel cons bulk Ash S 0.2023 to d to third 3 MT sposal: 31	From Rice Husk @ 17% (MT/day) 16.24 sumption upplier for 10.10.20: party vend	58.22 disposal in 24 combine dor i.e. M/s	Cement d for Un Bulk Asi
	per data pr k. Estimated 30 % of c % of baga rice husk c l. Ash genera consumed m.Mode of as n. Quantity of per data pr	rovided by u ash generational (Indian) asse and 17 onsumed ation w.r.t o (%) h Disposal	nit) ion @ i, 2.5 % of ffuel al (as nit)	From Co @30 % (MT/day 39.41 17.66 %  Provided plant For durat 1 & Unit- Total ash Supplier: Avg. daily PM - 41.4 for Unit-1 Actual or party ver generation	to M/s Etion 01.1 2 provide 2905.66 y ash dis 4 mg/Nm 1.8 Unituantity in (58.2	om agasse @ 5% AT/day) 56 If fuel cons bulk Ash S 0.2023 to d to third 3 MT aposal: 31 n³(against 2 of ash dis much lowe 2 MT/day)	From Rice Husk @ 17% (MT/day) 16.24 Sumption upplier for 10.10.20: party vend 80 mg/Nr posal (31 er than es) indicates	58.22 disposal in 24 combine dor i.e. M/s	Cement d for Un Bulk Asi on boile t) to th
	per data pr k. Estimated 30 % of c % of baga rice husk c l. Ash genera consumed m.Mode of as n. Quantity of per data pr o. Stack Mod p. Remark	rovided by u ash generational (Indian) asse and 17 onsumed ation w.r.t o (%) h Disposal F Ash disposa ovided by u nitoring res	nit) ion @ ion @ ion @ ion a i	From Co @30 % (MT/day 39.41 17.66 %  Provided plant For durat 1 & Unit- Total ash Supplier: Avg. daily PM - 41.4 for Unit-1 Actual or party ver generatio of boiler ant	to M/s Etion 01.12 provide 2905.66 y ash dis 4 mg/Nnt. & Unit- uantity inder is in (58.2 ash gene	om agasse @ 5% AT/day) 56 I fuel cons sulk Ash S 0.2023 to d to third 3 MT posal: 31 n³(against 2 of ash dis much lowe 2 MT/day) eration & c	From Rice Husk @ 17% (MT/day) 16.24 Sumption upplier for 10.10.203 party vend 80 mg/Nr posal (31 er than es) indicates lisposal.	58.22  disposal in 24 combine dor i.e. M/s  y n³) = comm .57 MT/day stimated va	Cement d for Un Bulk Asi on boile on boile to the
	per data pr k. Estimated 30 % of c % of baga rice husk c l. Ash genera consumed m.Mode of as n. Quantity of per data pr  o. Stack Mod p. Remark  Hazardous w Authorization	rovided by u ash generational (Indian) asse and 17 onsumed ation w.r.t o (%) h Disposal F Ash disposa ovided by u nitoring res	nit) ion @ ), 2.5 % of ffuel al (as nit)	From Co @30 % (MT/day 39.41 17.66 %  Provided plant For durat 1 & Unit- Total ash Supplier: Avg. daily PM - 41.4 for Unit-1 Actual or party ver generatio of boiler of having var (Refer An	to M/s E  to M/s	om agasse @ 5% AT/day) 56 If fuel cons sulk Ash S 0.2023 to d to third 8 MT posal: 31 n³(against 2 of ash dis much lowe 2 MT/day) eration & c ler the pro 16 issued to 26.07 III)	From Rice Husk @ 17% (MT/day) 16.24 Sumption upplier for 10.10.20: party vend 80 mg/Nr posal (31 er than es) indicates lisposal. evisions of by UPPCB	58.22  disposal in 24 combine for i.e. M/s  y n³) = comm .57 MT/day timated va poor recoil	Cement d for Un Bulk Asi on boile t) to th
	per data pr k. Estimated 30 % of c % of baga rice husk c l. Ash genera consumed m.Mode of as n. Quantity of per data pr  o. Stack Mod  p. Remark  Hazardous w Authorization	rovided by u ash generational (Indian) asse and 17 onsumed ation w.r.t o (%) h Disposal F Ash disposa ovided by u nitoring res vaste mana status	nit) ion @ ion @ ion a i	From Co @30 % (MT/day 39.41 17.66 %  Provided plant For durat 1 & Unit- Total ash Supplier: Avg. daily PM - 41.4 for Unit-1 Actual or party ver generatio of boiler of having var (Refer An	to M/s E  tion 01.1  provide 2905.6i y ash dis 4 mg/Nn 1 & Unit- uantity in ndor is in on (58.2 ash gene uites, 20 alidity up nexure nt made	om agasse @ 5% AT/day) 56 If fuel cons sulk Ash S 0.2023 to d to third 3 MT posal: 31 n³(against 2 of ash dis much lowe 2 MT/day) eration & c ler the pro 16 issued to 26.07 III) with M/s	From Rice Husk @ 17% (MT/day) 16.24 sumption upplier for 10.10.20: party vend 80 mg/Nr posal (31 er than es) indicates lisposal.	58.22  disposal in 24 combine for i.e. M/s  y n³) = comm .57 MT/day timated va poor recoil	Cement d for Un Bulk Asi on boile t) to th

				113	Date as per Form 10	E-wa (kg)	ste	Plastic drums (kg)	Plast wast (kg)	STO 1 253	idge	Waste lelt (kg)
				13	9.10.20	23	0	25	5 5	50	25	15
- 17					17.06.20	23	0	30	5	60	50	20
suc.					0.03.20		10		)	0	0	0
14.	Ground water	Analy	sis res	ults(	common	for Unit	-1 B	Unit-21		0	0	- 0
	Parameters	pH	Color	COD	TDS	Total		Total kalinity	CI-	504	P-	NO <sub>3</sub>
	Permissible limit as per BIS IS 10500:2012	6.5- 8.5	15	*	2000	600		600	1000	400	1.5	45
	Results	8.0	BDL	07	232	233		200	13	19	0.20	BDL
	Parameters	NO <sub>2</sub> -	Na+	K+	Ca <sup>2+</sup>	Mg <sup>2+</sup>		PO41-	Cond.	As	Cd	Co
	Permissible limit as per BIS IS 10500:2012	-		3	200	100		•		0.05	0.003	-
- 1	Results	0.03	13	05	61	20		BDL	400	0.01	BDL	BDI
- 4	Parameters	Cr	Cu	Fe	Mn	Ni	$\top$	Pb	Sb	Se	V	Zn
	Permissible limit as per BIS IS 10500:2012	0.05	1.5	0.3	0.3	0.02		0.01	-	0.01	-	15
	Results	BDL	BDL	0.51	0.13	BDL		BDL	BDL	BDL	mou	0.07

1. There are two manufacturing units in same complex having names M/s Tehri Pulp & Paper (Unit-1) and M/s Tehri Pulp & Paper (Unit-2).

During visit, unit representative informed that they are only using waste paper (mixed type i.e. indigenous and imported) as raw material and same was physically verified

by the team on site.

3. It was observed that the industrial complex has 03 no. of Borewells in its premises and electromagnetic flowmeters with totalizer found installed at all 03 borewells. The logbook for all borewells found maintained. Groundwater abstracted from Borewell-1 and Borewell-2 is combined stored in common freshwater reservoir of 500 KL capacity and then distributed to Unit-1 and Unit-2, whereas the Borewell -3 is dedicated for meeting Boiler (common for Unit-1 & Unit-2) water requirements,

4. Unit is reusing partially treated effluent after primary clarifier to pulping section and electromagnetic flow meter with totalizer installed at common line carrying partially treated effluent after primary clarifier of ETP in Unit-1 and Unit-2 to Pulp mills in Unit-

1 and Unit-2 and maintained logbook for the same.

5. Unit Isnon-compliance w.r.t consented discharge norms for BOD (42 mg/l

against 30 mg/l).

6. Sludge generated from Primary clarifler is being recycled to Pulper and sludge generated from secondary clarifier is stored in Sludge drying beds and then fed into Belt press (common for unit-1 & 2) for mechanical dewatering and then mixed with bagasse and coal for using as boiler fuel. No record has been maintained for quantity of sludge generated, recycled or used as fuel in boiler.

7. For disposal of non - recyclable solid waste/plastic waste, a combined agreement of Unit-1 & 2 has been made with M/s K.K. Duplex and Paper Mills Pvt. Ltd., M/s Silvertoan Papers Limited which have waste to energy boiler and M/s Harshit Trading

Company.

8. As per the data provided by unit, the avg. daily non-paper solid waste provided to third party vendors from Unit-I & Unit-II is 11.51 MT/day which is less than the estimated plastic waste generation rate of 15.87 MT/day from both the units, indicates poor record keeping of plastic waste generation & disposal.

9. It was observed that the unit has installed has a common boiler of 52 TPH capacity

for meeting steam requirements in Unit- 1 and Unit - 2.

10. For disposal of generated ash, a combined agreement of Unit-1 & 2 has been made

with M/s Bulk Ash Supplier (i.e. third party vendor) for final disposal in cement plant. As per the data provided by unit, the avg. daily quantity of ash provided to third party vendor is 31.57 MT/day which is much less than the estimated avg. daily ash generation quantity (i.e. 58.22 MT/day), indicates poor record keeping of boiler ash generation & disposal.

#### Key Issue

- 1. Non-compliance w.r.t. consented discharge norms
- 2. Poor record keeping of generation & disposal of boiler ash and plastic waste.
- 3. No record for generation & disposal of ETP sludge

#### 16. Compliance Status

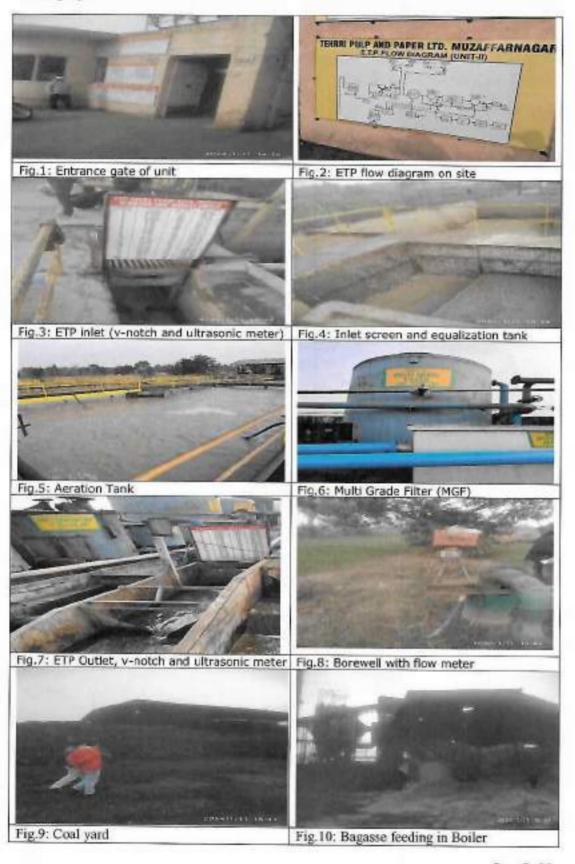
As per Discharge norms: Non-complying

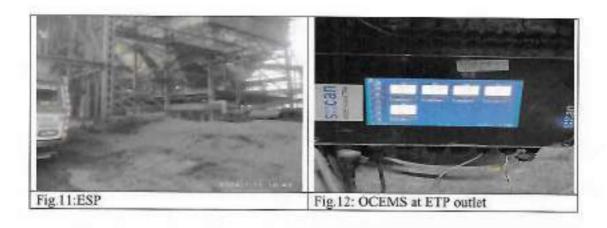
#### 17. Recommendations:

- Unit shall improve the O&M of ETP to meet the consented discharge norms.
- Unit shall install separate flow meter with totalizer for measurement of quantity of effluent (treated/partially treated) reused in process separately for Unit-1 & Unit-2.
- Unit shall maintain record of primary sludge reused in pulping section and secondary sludge (dewatered) used in Belt press.
- d. Unit shall install totalizer at ETP outlet and maintain logbook for the same.
- ETP inlet logbook shall be maintained using readings of inlet totalizer instead of vnotch.
- Unit shall maintain proper logbook for generation & disposal of ETP sludge, boiler ash and plastic waste.

18.	Sr.No.	Name	Designation	Organisation	Signature with
	1.	Dr. R.K. Singh	Scientist - D	СРСВ	ONA
	2.	Mr. Imran Ali	AEE	UPPCB	Oyun.
	3.	Mr. Ashish	Hydrologist	UPGWD	(M)>-
	4.	Ms. Shivangi Goswami	RA - II	СРСВ	Callerong.
	5.	Mr. Ankit Shukla	SRF	СРСВ	Osthernage.
	6.	Mr. Muktesh Chaudhari	SRF	CPCB	

#### Photographs







### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,1720831, Fax:0522-2720764, Email: info@uppeb.com, Website: www.appeb.com

151796/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAGAR/2022 Date: 15/03/2022

To.

M/s

TEHRI PULP AND PAPER LTD UNIT 2

9th Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974" and under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981"

Consent No-15367508 Date-15/03/2022

CCA is hereby granted to TEHRI PULP AND PAPER LTD UNIT 2 located at 9th Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:

 This CCA TEHRI PULP AND PAPER LTD UNIT 2 granted for the period from 15/03/2022 to 31/12/2026 and valid for manufacturing of following products with Capital Investment/Net Assets Values 7578.00 Lakhs

S No	Product	Quantity	Unit
1	KRAFT PAPER-350 MT/DAY	350	Metric Tonnes/Day

- 2. Specific Conditions under Water Act :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effulant	Quantity(KLD)	Treatment facility and discharge point
Domestic	6.0 KLD	Septic Tank
Industrial	700 KLD	ETP

(ii) Trade Effluent Treatment and Disposal:-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:-

> RAKESH KUMAR TYAGI

Digitally signed by RAKESH KUMAR TYAGI Date: 2022.05.23 11:55:35+05'30'

Industrial Effluent Quality Standard S.No. Parameter Standard 1 pH AS PER E(P) RULES. 1986 2 SUSPENDED SOLIDS AS PER E(P) RULES. 1986 3 DISSOLVED SOLIDS AS PER E(P) RULES. 1986 4 TOTAL SOLIDS AS PER E(P) RULES. 1986 5 BOD AS PER E(P) RULES. 1986 6 COD AS PER E(P) RULES. 1986

- (iv) Sewage Treatment and Disposal:- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- (v) The treated sewage shall be reused in gardening and the same shall be maintained continuously so as to achieve the quality of the treated effluent to the following standards.

S No.	Parameters	Standards	
-------	------------	-----------	--

#### 3. Conditions under Air Act :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as is required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	FROM SISTER UNIT M/S TEHRI PULP AND PAPER LTD (UNIT	STEAM	0	Particulate Matter	0

Emmission Quality Standards				
S No.	Stack no	Parameters	Standards	

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

ii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective

RAKESH KUMAR TYAGI TYAGI
Date: 202205.23 11 56/12 405/20

areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.
(iii) The unit will not use any type of restricted fuel.

Standards for Noise level in db(A) Leq	1-04-05-05	strial rea	P. 100 P.	nercial rea		lential rea	1000000	ence
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

- 6. Compulsory documents to be submitted by the Industry/Unit :-
- (i) Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Third Party Audit Report.
- (ii) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (iii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- 7. Unit has to apply for renewal of CCA well in advance of 60 days of expiry of this CCA.
- 8. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- Unit has to comply with the other general conditions as annexed herewith. Non compliance of any
  provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes
  (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid
  Acts and Rules.

RAKESH KUMAR TYAGI

Digitally signed by RAKESH KUMAR TYAGI Date: 2022:05:23 11:56:27 +05'30'

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

RAKESH KUMAR TYAGI TYAGI

Date: 2022.05.23 11:56:40 +05'30'

Chief Environmental Officer (Circle 3)

Annexure

#### Specific Conditions

- This CTO is valid only for the production capacity KRAFT PAPER-350 MT/DAY BY USING WASTE PAPER, ALUM, ROSIN AND CAUSTIC AS A RAW MATERIAL.
- 2. The Unit shall submit Bank guarantee of Rs. 1,00,000/- for establishment of Miyawaki Forest as per the GO No. 1011/81-7-2021-09(writ)/2016, dated-13.10.2021 of Department of Environment, Forest and Climate Change within a month from the date of issue of this order with the proposal for proposed plantation.
- Earlier Board has issued CTO Water to the said unit vide letter no-68229/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/water/MUZAFFARNAGAR/2019, dated-28.12.2019 is revoked.
- Earlier Board has issued CTO Air to the said unit vide letter no-68230/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2019, dated-28,12,2019 is revoked.

- 5. The industry must comply conditions of NOC from State Ground Water Department issued to unit,
- Industry shall submit ETP analysis report from MOEF&CC or UPPCB approved lab within a month after operation of the unit and on quarterly basis to the Board.
- Unit shall submit the compliance of the conditions of CTE issued to unit vide Boards letter dated 11.08.2021 and point wise compliance of last issued CTO within one month to the Board and on Quarterly basis.
- The industry shall submit a proof of Bank Guarantee submitted in the Board, if not then submit the Bank Guarantee as per CTE issued to unit on 11.08.2021 within a month.
- 9. The unit shall maintain strict supervision on fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 10. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 11. The unit will not use agro based raw materials in the production process.
- 12. The industry shall ensure installation, operation and continuous and uninterrupted data supply from the OCEEMS to the SPCB and CPCB server.
- 13. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
- 14. The E.T.P. unit operation line up Strengthening is to be maintained.
- The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 16. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 17. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 18. Unit shall abide by directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas.
- 19. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 20. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- Industry shall submit stack/ambient air quality monitoring report from Boards Laboratory, after starting the production within one month.
- The industry shall submit quarterly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.
- 23. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 24. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 25. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 26. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 27. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boilet/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with

section- 21/22 of air Act 1981 (as amended respectively).

- 28. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P Rules 1986.
- 29. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 30. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 31. Industry shall install at sufficient height from the ground level Open to Network HD PTZ Camera at the outlet of the discharge drain of effluent from the factory premises and its URL and password shall be provided to the UPPCB Control room.
- 32. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 33. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 34. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 35. Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 36. The unit shall submit the audited balance sheet for the current year,
- 37. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

#### General Conditions:-

The applicant shall get analyse the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UEPPCB.

- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- Treated waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.
- 3. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If, at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 4. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- The industry shall provide uninterrupted entry to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control measures.
- 6. The industry shall provide "Inspection Book" at the time of inspection to the Board's officials.
- 7. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.

- 8. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 9. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 10. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- 11. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.
- 12. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous waste without obtaining prior permission of the Board.
- 13. Any unauthorized change in personnel, equipment as working condition as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- 14. It is the duty of the authorized person to take prior permission of the Board to close down the facility.
- 15. The authorization is valid for temporary storage of Hazardous Waste within premises only.
- 16. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being used in the plant as well as air emission and waste generated within premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises
- 17. It is duty of the authorized person to take prior permission of this Board to close and cleanup the facility for treatment, storage and disposal of hazardous waste.
- 18. The applicant shall maintain record of hazardous waste in Form-3 and shall submit annual return in Form-4 on or before the 30th day of June following to the financial year to which that return relates.
- 19. In no case any hazardous waste shall be disposed off on land, in any drain, or into any water stream. All spillage must also be safely collected and stored.
- 20. Before the hazardous waste is stored or dumped in the facility, applicant must conduct a detailed physical and chemical analysis of hazardous waste sample and report to the Board.
- 21. Dried hazardous sludge from the process in the plant shall be stored in double lined HDPE pit constructed with R.C.C. or such material which does not react with the waste contained in it.
- 22. The storage area should be fenced properly and Sign/Notice Board indicating 'Danger' and 'Hazardous' shall be displayed at appropriate position both in Hindi and English.
- 23. The industry shall store non-ferrous metal waste, used oil/spent oil waste in sealed drums placed on impervious floor under covered shed. Hazardous waste if required shall be sold only to Registered Recyclers/Re-processors.
- 24. In case of any transportation of hazardous waste, the details in Form-10 of the Hazardous and Other Wastes Rules, 2016 shall be submitted to the Board.

RAKESH KUMAR TYAGI

Digitally signed by RAKESH KUMAR TYAGI Date: 2022:05:23 11:56:57 +05°30'

Chief Environmental Officer (Circle 3)



### GROUND WATER DEPARTMENT

(Namami Gange & Bural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

#### Form 8 (C)

(See Rule 8(1))

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC012696 VALID FROM 31/03/2022 TO 30/03/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

egistration No.: 2022	02000387		<b>H</b>
Name of the Owner	SACHIN AGRAWAL		
Designation us	G. M. ENVIRONMENT	Company Name कंपनी का नाम	TEHRI PULP AND PAPER LIMITED
Company Address कंपनी का पता	9TH KM,BHOPA ROAD,MUZAFFARNAGAR.	Authorization Letter प्राचिकार पत्र	Downland
Address of the Applicant	122,SOUTH BHOPA ROAD, NEW MANDI,MUZAFFARNAGAR,UTTAR PRADESH	Application Form Serial No.	MZFNÖ322NING18
Date of Submission	28/02/2022	Specimen Signature	
Location Particulars			
District	Muzaffar Nagar	Block	MUZAFFARMAGAR
Plot No./Khasra No.	9TH KM BHOPA ROAD,MUZAFFARNAGAR	Municipality/Corporation	No
"ard No /Holding Ne.			N/A
Particular of the Existin	ng Well and Pumping Device		
Date of Construction/Sinking of the Well	20/03/1997		
Type of Well	Tube Well/Baring	Depth of the Weil (In meter)	125.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube	Well)		
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawel (m <sup>3</sup> /hr.)	150.00

in of Energization (In Case of Electric Pump)	27/03/1997
Maximum Allowable Rate 150.00 of Withdrawal (m²/hr.):	Maximum Allowable 7.00
Maximum Allowable Annual Extraction of Control Water	Running Hours Per Day:

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location execution of security of the extraction of ground water at a rate not exceeding that as shown at St. (3), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

367500.00

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this cutificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to concellation of this authorization.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of
  pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved.
   The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the
- In case of any change of ownership of the existing well, fresh registration has to be obtained
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate
  shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during vertication at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least runety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and some tapped of
  to this office on monthly basis
- · Guidelines for installation of Piczometers and their Monitoring

Piczometer is a borewell /tubowell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piczometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the prezonneter should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one prezometers are installed the second prezometer should monitor the stallow ground water regime. It will facilitate shallow as well as
  decret ground water aguiter monitoring.
- No. of plezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

SNo	Quantum of Ground water withdrawai (cum/day)	No of piezometers required	Monitring Mechanism		
		- The State of the	Manual	DWLR with Telemetry	
3	<10	0	0	0	
2	11-50	1	1	0	
3	50-500	.1	0		
4	→ \$00	2	0	2	

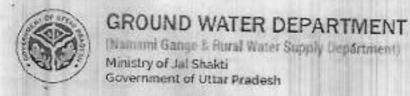
- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimal.
- For measurement of water level counder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the prezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Predesit, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved tob. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Ultrar Predesh, for chemical analysis.
- A Permanent displey board should be installed at prezometer/Tube wells site for providing the location, plezometer/ tube well number, depth and zane tapped of prezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- · Any other condition(s) that may be imposed by the concerned Authority
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is hable for cancellation.
- SPECIFIC CONDITIONIS
- (A) For industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Continent shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>2</sup>/d shall be required to undertake annual water audit through Confederation of industries (CIII/ Federation Indian Chamber of Commerce and Industries (FICCI)/ National Productivity Council (NPC) certified auditors and autimore audit reports within three months of completion of the same to Ground Water Department Ultrar Prodesh. All such industries shall be required to reduce their ground water use by all least 20% over the next five years through appropriate means.
- ty) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m² /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proportion shall be required to adopt roof top rain water harvesting/ recharge in the project premises, industries which are likely to pollute
  ground water (chemical, pharmaceutical, dyes, playments, points, taxtiles, tennery, pesticides/ insecticides, fertilizers, sleughter house, explosives
  etc.) shall store the harvested rain water in surface storage tenks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning Staughter Houses. Dye, Chemical/Petrophemical, Cool washenes, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge
  rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results
  should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day.
   The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date:07/06/2022

Place:Muzaffur Nagar

This certificate is electronically generated and does not require digital signature



#### Form B (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Predesh Ground Water Management and Regulation Act, 2019.]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC018076 VALID FROM 31/03/2022 TO 30/03/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

#### 'egistration No.: 202203000001

Name of the Owner	SACHIN AGRAWAL		
Designation us	G. M. ENVIRONMENT	Company Name कंपनी का नाम	TEHR) PULP AND DAPER UMITED
Company Address कंपनी का पता	9TH KM,BHOPA ROAD,MUZAFFARNAGAR	Authorization Letter प्राचिकार एथ	Cownload
Address of the Applicant	122, SOUTH BHOPA ROAD, NEW MANDLMUZAFFARNAGAR, UTTAR PRADESH	Application Form Serial	MZFN0322NIN010
Date of Submission	01/03/2022	Specimen Signature	
Location Particulars			
District	Muzsffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	9TH KM BHOPA ROAD,MUZAFFARNAGAR	Municipality/Corporation	Na
"ard No,/Holding No.		in the second	N/A
Particular of the Existin	ng Well and Pumping Device		
Date of Construction/Sinking of the Well	20/03/1997		
			<b>把照照</b> 1460
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	125.00
Purpose of wall	Industrial	Assembly Size(For Tube Well)	
Purpose of well Strainer Position (For Tube			
			30.00

Lite of Energization (In Case of Electric Pump)

27/03/1997

Maximum Allowable Rate 150£ of Withdrawal (m<sup>3</sup>/hr.): Maximum Allowable Running Hours Per Day: 8.08

#### Maximum Allowable Annual Extraction of Ground Water:

420000.00

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at Si. (2) for extraction of ground water at a rate not exceeding that as shown at Si. (3)), for Running Hours per day as shown at Si. (3k), and for maximum allowable annual extraction of ground water as shown at Si. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, flesh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pranging design respect of the proposed well as indicated at SL (2) and (3) of the
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall load to centrelistion of this
  authorization.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of
  pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, unsil the contrary is proved.
   The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water motions.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate
  shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars l'information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is hable for cancellation.
- The Cartificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least naiety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of
  piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available
  to this office on monthly basis.
- Guidelines for Installation of Piezometers and their Monitoring

Pictometer is a borowell /fubewell used only for measuring the water level by lowering the tape/ sounder or automass; water level measuring equipment. It is also used to take water sample for water quality tasking when ever needed. General guidelines for installation of piezometers are as follows:

- The prezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The dapth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometers are installed the second piezometer should monitor the shallow ground water regime, it will facilitate shallow as well as
  deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No Quar	Quantum of Ground water withdrawal (curn/day)	No of piezometers required	Moniting Mechanism		
	Qualitari ta	Calla Haller Hillsteran St. (Cort Volay)	No. or prezonneces a required	Manual	DWLR with Telemetry
1		< 10	a	0	.0
2	港	11-50	1	1	0
3		50- 500	1	0	1
4		> 500	2	0	2

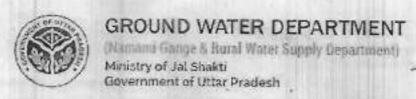
- The measuring frequency should be mornthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the prezomater into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NASL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director.
   Ground Water Department, Ultrar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement reparding safety and access for measurement may be taken sere of
- · Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for is suance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Corrificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Disjection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>2</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (City) Federation Indian Chamber of Commerce and industry (FICCIty) National Productivity Council (NPC) certified auditors and submit audit reports within three crontiles of completion of the same to Ground Water Department Uttar Prodesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
  - iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>/day of ground water and. Monitoring of water level shall be done by the project proponent. The prezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and equifer zone supped in the prezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proposant shall be required to adopt roof top rain water harvesting/ recharge in the project promises, industries which are likely to pollute
  ground water (chemical, pharmsceutical, dyes, pigments, paints, tastiles, tannery, pesticides/ insecticides, fertilizers, staughter house, explosives
  etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tenning. Slaughter Houses, Dye. Chemical/ Petrochemical, Coal washer est, other hazerdous units etc. (as per CPC8 list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) in case of infrastructure projects that require dewatching, proponent shall be required to carry out regular monitoring of dewatching discharge
  rate (using a digital water flow mater) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results
  should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day.
   The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

-/atie:07/06/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



#### Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC018699 VALID FROM 31/03/2022 TO 30/03/2027

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

legistration No.: 202203000002

Name of the Owner	SACHIN AGRAWAL		Marin Supe
Designation पद	G. M. ENVIRONMENT	Company Name कंपनी का नाम	TEHRI PULP AND PAPER LIMITED
Company Address अवनी का पता	9TH KNUBNOPA ROADMUZAFFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	122,SOUTH BHOPA ROAD, NEW MANDI, MUZAFFARNAGAR, UTTAR PRADESH	Application Form Serial No.	MZFN032ZNINQ11
Date of Submission	01/03/2022	Specimen Signature	
Location Particulars			
District	Muzeffar Nagar	Block	MUZAFFARNABAR
Plot No. Khasra No.	9TH KM BHOPA ROAD, MUZAFFARNAGAR	Municipality/Corporation	No
Vard No./Holding No.			N/A
Particular of the Existing	ng Well and Pumping Device		
Date of Construction/Sloking of the Well	20/03/1997		
Type of Well	Tube Well/Boring	Depth of the Well (in meter)	125.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	ti i
Strainer Position (For Tube	Well)		
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawel (m <sup>2</sup> /hr.)	150.00



a of Energization (in Case of Electric Pump)	28/03/1997
Maximum Allowable Rate 150.00 of Withdrawal (m²/tr.):	Maximum Allowable 8,00 Running Hours Per Day;
Maximum Allowable Annual Extraction of Ground Water:	/200mmg

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SL (2) for extraction of ground water at a rate not exceeding that as shown at SL (3), for Running Hours per day as shown at SL (3k), and for maximum allowable annual extraction of ground water as shown at SL (3k) and is valid subject to the observance of the conditions stated overless.

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping dance in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviction in this regard shall lead to concellation of this
  authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow metars
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, all outliet of
  pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved.
   The fare of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
  - In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawaf and pumping device in respect of the existing well as indicated at SL (2) and (3) of this certificate
  shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect
  during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization, NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renew at through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of
  piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available
  to this office on monthly basis.
- Guidelines for Ireitalistion of Plecometers and their Monitoring

Piezorneter is a borowell /fubewell used only for measuring the water level by lowering the topo/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when over needed. General guidelines for installation of precometers are as follows:

- The prezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the plezometer should be name as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  desper ground water aguifer monitoring.
- No. of piecometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Montaring Mechanism		
3000	Control of the Contro	sun'es hissouristat à lechtica	Manual	DWLR with Telemetry	
1	< 10	D	0	0	
2	11 - 50		1	0	
3	50-500	1	0	1	
4	> 500	2	U	2	

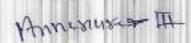
- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR) / Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradach and for as validation.
- The ground water quality has to be monitored twice in a year during pre-mossioen (May/June) and post-mossioen (October/November) periods. Quality may be got analyzed from MASL approved tab. Besides, one sample (1 it capacity bottle) to the concerned Director.
   Ground Water Department, Ulter Pradesh, for chemical analysis.
- A Permanent display board should be installed at prezometer/Tube wells site for providing the location, prezometer/ tube well number, cepth and zone tapped of prezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars i information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- . SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- ii) No Objection Contribute shall be granted only in such cases where focal government water supply agencies are not able to supply the desired quantity of water.
- Ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- III) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CIII)/ Federation indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Littar Product. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
  - iv) Construction of observation well(s) (piezometery(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m² /day of ground water and Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tropped in the piezometer shall be the same as that of the pulnoling well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proposent shall be required to adopt roof kep min water harvesting/sechange in the project premises. Industries which are likely to policite
  ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/insecticides, fertilizers, slaughter house, explosives
  etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) injection of treated/ unbreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water poliution e.g. Tanning, Staughter Houses. Dye, Chemical/ Petrochemical, Coal wachenes, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) It case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge
  rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results
  should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>2</sup> ridey.
   The water from STP shall be utilized for toilet flushing, car washing, gardening ste

Date::07/06/2022

Place Muzaffar Nagor

This certificate is electronically generated and does not require digital signature





## UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: Info@uppeb.com Website: www.uppeb.com

Ref. No: 17504/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated: 27/07/2022

To.

M/s TEHRI PULP AND PAPER LTD UNIT 2

9th Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Tehsil :MuzaffarNagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 17504 and 27/07/2022.
- Reference of application (No. and date) 16669832 and 04/07/2022.
- Mr SACHIN AGARWAL of M/s TEHRI PULP AND PAPER LTD UNIT 2 is hereby
  granted an authorization based on the enclosed signed inspection report for generation,
  collection, utilization, storage and disposal or any other use of hazardous or other wastes or
  both on the premises situated at 9th Km Stone, Bhopa Road, Muzaffarnagar.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)		
1	CATEGORY 33.2 AS PER SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.175 MT/Annum		
2	CATEGORY 33.1 AS PER SCHEDULE I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGH TSDF	2.0 MT/Annum		
3	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGH TSDF	0.50 MT/Annum		
4	CATEGORY 34.2 AS PER SCHEDULE I (Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers)	THROUGH TSDF	5.0 MT/Annum		

- 1. The authorization shall be valid for a period of 26/07/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

A General Conditions of Authorization -

RAKESH KUMAR TYAGI Digitally signed by PAKESH KUMAR TYAGI Date: 2072.08.11 21:32:36 +05/30/

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be RAKESH KUMAR TYAGI

  TYAGI

  Date: 2022.08.11 21:32:50 +05:30\*

properly trained.

- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.

  RAKESH KUMAR TYAGI

  Dec.: 1022.08.11 21:33:03 +05'30'

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)
RAKESH KUMAR TYAGI TYAGI
Date: 2022.08.11 21:33:17 +05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action.

RAKESH KUMAR TYAGI Distribution 2022.08.11 21:33:32 +05'37 CEO/EE, I/C Circle

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

	A. General section	Date of inspection:12.01.2024		
1.	Name of the unit with complete postal address:	M/s Garg Duplex and Paper Mills Pvt. Ltd., 8.5 Km, Bhopa Road, Muzaffarnagar, Uttar Pradesh, Pin Code: 251001		
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.46756, 77.78396		
3.	Industry Operational status	Operational		
4.	Consent status	Consolidated Consent to Operate (CCA) no 181853/UPPCB/Muzaffarnagar(UPPCBRO)/CTO/both/MuZAFF ARNAGAR/2023dated 26.05.2023, which is valid upto 31.12.2025for production of Kraft paper/Board/Cup Stock/Writing Printing-415 MT/day (40 MT/day based on agro waste & 375 MT/day based on waste paper). (CCA placed at Annexure-1) However, as informed by unit representative agro waste based plant is not in operation since 2018. Unit has intimated the same to UPPCB vide letter dated 14.08.2018. (Letter placed at Annexure-2)		

B. Production process and infrastructure

5.	. Process Manufacturing of Kraft paper/Board/Cup Stock/Writi using both recycled fiber and waste paper				
6.	Raw material				
	a. Consented value	Waste Paper based-375 MT/day & Agro Waste based-40 MT/day (Agro waste based plant is not in operation since 2018)			
	b. Actual consumption (as per logbook)	For Kraft paper: Indian waste paper-14341.22 MT& Imported waste paper-1495.04 MT, Total-15836.26 MT For Writing/Printing Paper: Readymade pulp/White paper cutting-7322 MT (As per logbook provided by the unit of last three months Oct-Dec, 2023)			
	c. Average daily consumption	For Kraft paper: Indian/Imported waste paper-179.96 MT/day For Writing/Printing Paper: Readymade pulp/White paper cutting-80.46 MT/day			
7.	Production				
	a. Consented value	Kraft paper/Board/Cup Stock/Writing Printing-415 MT/day (40 MT/day based on agro waste & 375 MT/day based on waste paper)(Agro waste based plant is not in operation since 2018)			
	b. Actual Production (as per logbook)	Kraft Paper-14882.95 MT Writing/Printing Paper-7191.37 MT Total-22074.32 MT (As per logbook provided by the unit of last three months Oct-Dec, 2023)			
	c. Average daily production	Kraft Paper-169.12 MT/day (14882.95/88) Writing/Printing Paper-79.03 MT/day (7191.37/91) Total- 248.15 MT/day			
	d. Yield (%)	For Kraft paper-93.98 % of raw material For Writing/Printing Paper- 98.21 % of raw material			
	e. Estimated waste produce	For Kraft paper-6.02 % of raw material i.e., 10.18 MT/day For Writing/Printing Paper- 1.78 % of raw material i.e., 1.41 MT/day			
8.	Fresh water consumption				
	a. NOC from CGWA/other authorized body	Obtained 03 separate NOCs for 03 borewells from UPGWD. Validity of all 03 NOCs is from 30.07.21 to 29.07.26.(92 days) (NOCs placed at <b>Annexure-3</b> )			

	b. Details of borewell	Three borewells with seale	d flow meter found installed			
	c. Permitted withdrawal quantity	2000 KLD				
	<ul> <li>d. Actual withdrawal quantity</li> </ul>	61873 KL (As per logbook provided by the unit of last three months Oct-Dec, 2023)				
	e. Avg. daily withdrawal quantity	672.53 KLD				
	f. Specific fresh water consumption	2.80 KL/MT of paper (common for kraft paper & writing grade paper manufacturing process)				
	g. Remarks	Unit does not have separate logbook for fresh water consumption in Kraft paper manufacturing process and writing grade paper manufacturing process.  The logbook maintained by unit is common for both the manufacturing process, hence specific fresh water consumption cannot be calculated separately.				
9.	Effluent Management	, semier or esignated Separat	10171			
	a. Consented discharge value	1100 KLD				
	b. Actual effluent generation (as per logbook)	187148 KL (As per logbook provided by the unit of last three months Oct-Dec, 2023)				
	c. Avgeffluent generation daily	2126 KLD				
	d. Specific effluent generation	8.57 KL/MT				
	e. Actual effluent discharge	6083 KL (As per logbook provided by the unit of last three months Oct-Dec, 2023)				
- 3	f. Avg. daily discharge	69.12KLD				
	g. Specific effluent discharge	0.27 KL/MT				
	h. Actual recycling of treated effluent	Partially treated (After Prima clarifier)	ry 169573 KL			
	within process	Treated effluent (ETP outlet) Total recycled	8875KL 178348 KL(As per logboo provided by the unit of last three months Oct Dec, 2023)			
	i. Average daily recycle of treated effluent	2026.68 KLD				
	j. Losses in ETP %	1.4% against typical 2-3 % in form of moisture in generated sludge				
10.	Effluent treatment pla	nt (ETP)				
	a. ETP consists of	Hill screen→Equalization tank→Sedicell→Primary Clarifler→Aeration tank (3 nos.)→Secondary Clarifler (2 nos.)→Tube Settler→Pressure Sand Filter(PSF)→Activated Carbon Filter(ACF)→Part of treated effluent recycled in process and part is discharged to dhandhera drain through an open channel				
	b. Installed capacity	2100 KLD				
	c. Metering at ETP	ETP inlet	No only V-notch provided			
	A STATE OF THE PARTY OF THE PAR	Recycling points	Yes, flowmeter with totalize installed after ACF			
			mistalled after ACF			
		ETP outlet	No only V-notch provided			
	d. Operational status	ETP outlet Operational	The state of the s			
	d. Operational status	Operational Flow at inlet: Could not meas	No only V-notch provided sure as V-notch was found found flowing under the V-notch.			

0.00	f. Efflu	ent acteristics		010 100	14.72 mg/l			
	Parame ter			TP outlet	Aeration tank-1	Aeration tank-2	Norms as per consent	Compliance w.r.t. consent
T	pH	6.9	6	.6	-	-	6.5-8.5	Complying
-	Color	10	0		-		<150	Complying
	(hazen)	1122		77			755.00	somplying.
	Oil & grease (mg/l)	-	В	DL				-
3	BOD (mg/l)	400	3	3		•	<20	Non-complyin
	COD (mg/l)	1286		44	•	~	<150	Complying
	TSS (mg/l)	715	2		-		<30	Complying
	TDS 1756 1708 (mg/l)		2272	2600	<1600	Non-complyin		
	SAR (mg/l)	The state of the s	7	+>		<8	Complying	
9	Sulphid	*	2	.2		+.	-	-
	(mg/l) AOX		-	Ci.				
100	(mg/l)		5	DL	*	•	-	-
1	MLSS (mg/l)	-	*		2905	2011	4	-
	MLVSS (mg/l)		=		1273	949	н	
		ludge gener	rati	ion				
1	Biological sludge generation (as per logbook) Estimated sludge generation @ 30 % of		As per information provided by unit, all the generated sludge is utilized in the manufacturing process and data of the same is no maintained by the unit  0.45 TPD					
1	inlet TSS load Sludge Management &			Logbook for generation & disposal of sludge is not maintained by				
1	lisposal	er solid was		the unit.			-	
1	Non-paper solid waste generated (As per logbook)		As per details submitted by the unit, total plastic wast generation during Oct, 2023 to Dec, 2023 found as 193.02 M i.e., 60.010 MT in Oct-2023, 64.265 MT in Nov-2023 and 68.74 MT in Dec-2023. For plastic waste disposal, unit has don agreement with M/s K K Duplex and Paper Mills Pvt. Ltd. Jansath road, Muzaffarnagar, UP which have installed waste tenergy boiler.					
	aily p	plastic waste		2.19 MT/day				
V	Specific Non-paper solid waste generation							
9	Potential solid waste generation @3.5 % of paper		2.19 MT/day (1.3 % of production) in comparison with potential 5.92 MT/day(estimated) Actual non-paper solid waste (plastic waste) generation is much lower than the estimated value indicates poor record keeping					
-	Air Pollution management							
	a. Boller capacity 30 TF As							

		20.11.2023 and since then steam requirement for production writing/printing paper is fulfilled by M/s Silverton Pulp & P. Pvt. Ltd., 9th KM stone, Bhopa road, Muzaffarnagar, UP. The has turbine of 4.5 MW.						
b. Stack de	CONTRACTOR OF THE PROPERTY OF		Height -					
c. APCD in	NEWSTON OF THE STATE OF	collec	tor and w	ret scr	ubber on 12	TPH	lti-cyclone dust	
d. Estimate requiren & @2.2 produce	nent @ 1.8 T/T of paper				9.12 MTD=3 79.03 MTD=			
e. Fuel use	d	Coal,	Bagasse,	Paddy	, Upley (cow	dung cakes),	Tuda	
f. Fuel con	sumption (as p	per log	book)	S SASTON SAVIS	monocher es es	enamies e Custons	30 231	
As per the	details of fue	const	umption o				y the unit:	
Month	Coal (MT)	Baga (MT)	0.60	addy MT)	Upley (MT)	Tuda (MT)	Total (MT)	
Oct-23	3255.10	0	6	35.37	0	0	3890.47	
Nov-23	4197.47	0	0	Part Part	0	0	4197.47	
Dec-12	4415.30	97.20	5 5	2.22	66	19.40	4650.18	
Total	11867.87	97.2		87.59	66	19.40	12738.12	
g. Estimate consump steam/	otion @ 3 T	1091	4.16 MT		A	10.2000		
h. Daily consump	fuel	124.0	2 MT/day					
The second second	generation	27.82 MT/day						
.75 7/27-1980,00070	A SECTION DESCRIPTION				ation details	provided by	Man	
		no pe			NAME AND ADDRESS OF THE OWNER, WHEN PERSON ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, WHEN	provided by	the unit,	
		1 1	Month Ash generated (MT)					
		Oct-23		_	The state of the s			
				200 Sept. 1				
	1		Nov-23	1,000	9.47	_		
	)		Dec-23	0.00	7.68			
			Total	25.	31.29			
of fuel (%)	consumed	22.43	96					
k. Estimate	d ash	40.56	MT/day		co - lo - v -	99922		
	on @ 2.5 %	Fuel			% of ash	Ash genera	ation	
The second secon	se & 30% of		140000		generation	(MT)		
coal		Baga			2.5 %	2.43		
		Coal	To a second		30 %	3560.36		
	11	Pado			15-20 % 12-14 %	120.33		
		Opie	1		12-14 % Tota	8.58 d 3691.70		
I. Disposal	of ash	28.14	MT/day		1000	2074170		
generate	The state of the s			dispos	al details or	ovided by the	init.	
25500023		0.000000	Month	Ash	disposed	7,1000 57 416		
			Oct-23	(M		-		
				-	2.28	-		
			Nov-23	1.0	7.74	-		
			Dec-23	0.755707	0.62	_		
			Total		50.64			
		For di	sposal of s BTC Ea	fly ash orth M	i, unit has do lovers, Villad	ne agreement se &Post Nac	with la Bujurm, Di	

					c	M/s A Nagar ash. M/s A the sa Klebo	ech fac i f, UF irjun ame on B	Cem Fin 1 Fin 1 Fin 1 For 1 lock	ent, i nfra nich i erpris nanu Facto	UP. Vill F s en ses, factu ory.	Ran gag Dac	auti jed ir dri, G g of i	Man B Nag pricks	ur, Ni ufacti gar, L at M/	IPC F uring JP, w 's Bai	Road, of t hich laji L	, Da orick will inke	dri ( s fro utili ers a
					th:	tual l an th /day nerat	e e	stin ndic	nated ate	poo	lue	of	fly a	sh g	ene	ratio	n (	40.5
	Stack mor					- 48.6	5 mg	/Nn	n³ (ag	gains	st 8	0 mg	/Nm <sup>2</sup>	)				
14.	Hazardou Authorizat	ion :	statu	iś	Au 17: /20 <i>An</i>	thoris: 560/U 022 da <b>nexu</b>	PPCE ted	3/Mu 25.0	7.20	22 w	ith	validi	ty upi	0 24.	07.2	027	(refe	er
	Copy of acrecyclers /			t with	10000	s Bha	rat (	& lic	Was	te M	ana	agem	ent L	td., G	hazi	abad	, UF	•
	Hazardous waste generated		Me	mber	ship	cert	ticat	eis	val	id up	to 15	.03.2	024					
				per s	Date			Cotto		THE RESERVE OF THE PERSON NAMED IN	emica		ed	L	in the second			
			1.2	No.	orov wast rsbi	iding	g   F	Rags		wa	mid bree.	Oil		cor cor nat wit		ner ni-		
							04.1	2000000		0 kg		-		10 ltr		500	) kg	(3
					1 1	22 1 122	17.0	2007		i0 kg	_	600	) kg	1 -		13.	5 kg	3
						400	13.0		- 2	0 kg	-	-	) kg	-		-	-	
						•	16.1	2,23	13	i0 kg		-		10 kg		500	) kg	K.
15.	Paramete rs	pH	Col	our C zen c- ti	ondu vity uS/c	TDS	Tot Har s (&	al dne	Ca <sup>2</sup>	vithi Mg²	n t	the p	CI-	ses r	SO <sub>4</sub>		NO	
	Values	7.7	BDL		80	404	30	6	96	16	41	06	48	0.3	72	0.	BD	BDI
	(mg/l) Permissib	6.5	15	-		2000	SON		200	100		1	1000	1.5	400	08		1
	le limit	8.5							200	100			1000	1.5	400			
	Parameter s	100000	calin	COD	As	Cd	Co	Cr	Cu	Fe		Mn	Ni	Pb	Sb	5e	٧	Zn
	Values (mg/l)	30		BDL	BDI	BDL	BDI	BD	BDL	0.1	110	0.18	BDL	BDL	BDL	BDL	BDI	0.0
	Permissibl limit	e60	0	-	0.0	1 0.00	-	-	0.05	0.3	3 (	0.1	0.02	0.01	-	0.0	-	5
16.	Major obs 1. As con TD: 2. Act	per sent <b>S (1</b> ual r	the ted of 708 non-	analy discha <b>mg/</b> l paper	rsis r rge r l w.r. solid	esults norms .t nor	for ms ( e (pl	para of < astic	1600 was	ms B mg te) g	/I) jene	(36	mg,	/I w.i	r.t < //day	20 ) is	mg	/I) i

properly.

- Actual fly ash generation (27.82 MT/day) is much less than the estimated value of fly ash generation (40.56 MT/day) indicate logbook is not maintained properly.
- The MLVSS/MLSS ratio in aeration tank-I is 0.44 and aeration tank-II is 0.47, shows un-stabilized condition of aeration tank and BOD removal of 91% is doubtful.
- 5. As informed, production of Writing/Printing Paper is done by M/s Silverton Pulp & Paper Pvt. Ltd., steam requirement for productions is also fulfilled by M/s Silverton Pulp & Paper Pvt. Ltd., however fresh water requirement is fulfilled by M/s Garg Duplex through its 03 operational borewell and effluent generating from the production is being treated and discharged by M/s Garg Duplex.
- Production of Kraft Paper is stopped from 29.12.2023 due to maintenance work. Unit intimated the same to UPPCB vide letter dated 29.12.2023.
- 7. For fresh water, the unit has total 03 borewells, located within the premises. The unit has obtained NOC for all three borewells approved by Ground Water Department (Namami Gange& Rural Water Supply Department), Ministry of Jal Shakti, Government of Uttar Pradesh, which are valid upto, as mentioned below:

Borewell No	Validity of NOC	Approved water abstraction (KLD)	Maximum annual withdrawal permission
Borewell No 1	30.07.21 to	400	132000
Borewell No 2	29.07.26	800	264000
Borewell No 3	- ALTEROXETUSE	800	264000
Total permitte	ed abstraction	2000 KLD	660000KL/Annum

 Unit has installed an Effluent Treatment Plant (ETP) of 2100 KLD, comprising of Physico-chemical treatment for the treatment of industrial effluent and the treatment scheme is as follows:

Hill screen→Equalization tank→Sedicell→Primary Clarifier→Aeration tank (3 nos.)→Secondary Clarifier (2 nos.)→Tube Settler→Pressure Sand Filter(PSF)→Activated Carbon Filter(ACF)→Part of treated effluent recycled in process and part is discharged to dhandhera drain through an open channel.

 As informed, fresh water is utilized for steam generation in boller after treatment through RO. RO reject is recycling in process, as informed. No flowmeter is installed at RO permeate or reject line. Boller blow down is utilized in ash quenching.

10. As per details submitted by the unit, total 243 MT of plastic waste was sent to M/s K K Duplex and Paper Mills Pvt. Ltd., Jansath road, Muzaffarnagar, UP which have installed waste to energy boiler.

 Actual boiler ash generation (27.82 MT/day) is much less than the estimated value of fly ash generation (40.56 MT/day) indicate poor record keeping of boiler ash generation & disposal.

 Actual non-paper solid waste (plastic waste) generation (2.19 MT/day) is much lower than the estimated value (5.92 MT/day) indicates poor record keeping

### Key issues

- Non-compliance w.r.t. consented effluent discharge norms of BOD (36 mg/L against 20 mg/L) and TDS (1708 mg/L against 1600 mg/L).
- Logbook for generation & disposal of fly ash and plastic waste is not maintained properly.
- Poor record keeping for ETP sludge generation and disposal

### 17. Compliance Status

Unit is found non-complying w.r.t consented discharge norms

### 18. Recommendations:

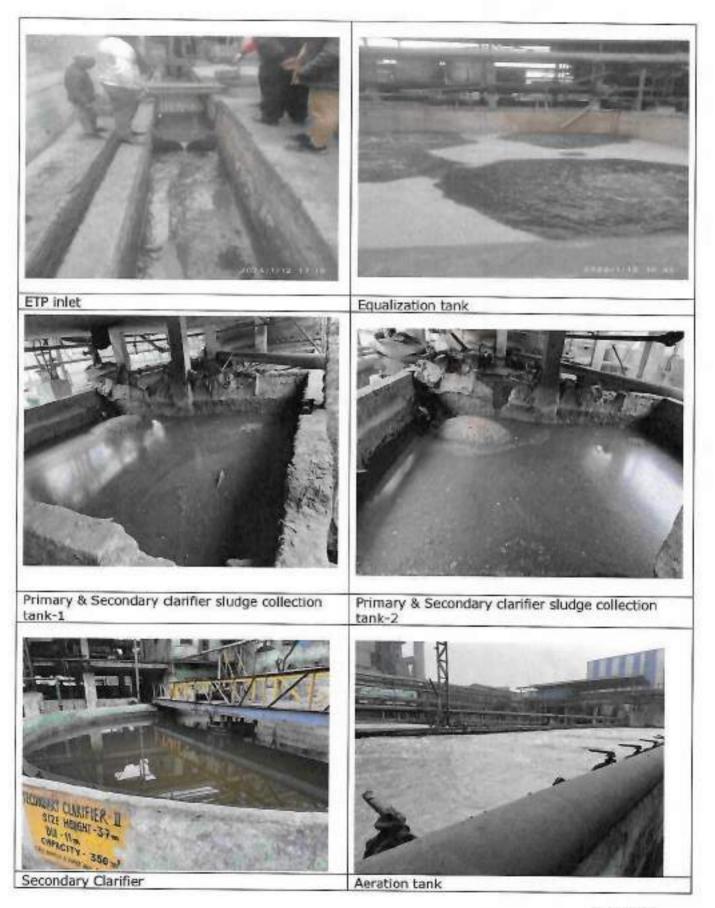
- Unit shall ensure proper operation & maintenance of ETP to meet the consented discharge norms
- 2. Unit shall maintain proper logbook for generation & disposal of fly ash and plastic

waste.

Unit should maintain proper logbook for ETP sludge generation & disposal.
 UPPCB shall revise the consent issued to the unit and revoke the permission for production of Agro waste based paper production, as unit has stopped this

Ins	pection team details	H.		
Sr.	The Part of the Control of the Contr	Designation	Organisation	Signature with date
1	. Dr. Satya	Sc. 'E'	MoEF&CC	
2	. Dr. R.K. Singh	Scientist D	CPCB, Delhi	entrol
3	Sh. Imran Ali	AEE	UPPCB	Om
4	Sh. Ashish Kumar	Hydrologist	UPGWD	(N)
5	Ms. Shivangi Goswami	RA-II	CPCB, Delhi	Allevava !-
6	Mr. Ankit Shukla	SRF	CPCB, Delhi	Auri
7	Mr. Muktesh Chaudhari	SRF	CPCB, Delhi	
8	Mr. Maneesh Yadav	SRF	UPPCB	The stangence of

### **Photographs**



Page 8 of 9





ETP outlet OCEMS reading



Flowmeter at ETP recycling line (after ACF)



Flowmeter at ETP recycling line (after primary clarifier)



### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibbuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522.2720828.2720831, Fax:0522-2320764, Finrast: infostuppeb.in. Website: www.uppeb.enn.

181853/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 26/05/2023

To.

M/sGARG DUPLEX AND PAPER MILLS PVT LTD

8.5 Km, Bhopa Road, Muzaffarnagar, Distt.- Muzaffarnagar ,MUZAFFAR NAGAR,251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution) Act., 1974"and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

Application no. 20589954

Date :- 2023-04-08

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s GARG DUPLEX AND PAPER MILLS PVT LTD located at 8.5 Km, Bhopa Road, Muzaffarnagar, Distt.- Muzaffarnagar , MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under LI Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

Production Capacity :

S. No.	S. No. Declared by the unit		Permitted by the Board
Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper	Name of Final Products & By -products with quantity per month		
1	Waste Paper- 450 MTD and Agro Waste- 130 MT/Day	Kraft Paper/Board/Cup Stock/Writing Printing -415 MT/Day (40 MT/Day Based On Agro Waste And 375 MT/Day Based On Waste Paper), Turbine - 4.5 MW	Kraft Paper/Board/Cup Stock/Writing Printing -415 MT/Day (40 MT/Day Based On Agro Waste And 375 MT/Day Based On Waste Paper), Turbine -4.5 MW

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 12:27:23 +05'30'

### 3. Production Process Infrastructure

S. No. Details		Declared by the	Permitted by the	
		Numbers	Usage / Process operation	Board

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

### 4. Water Conservation Measures

### A. Fresh water consumption

- Categorization of existing groundwater area: Safe/ Semi critical / Critical / Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2025-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to eater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed			
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced			
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced			
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 K1. per Ton of paper produced			
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards				
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler With Power Boiler	< 2.5 m3 / t paper < 5 m3 / t paper		

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines- process, domestic and boiler.
- 10. The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

### B. Trade effluent treatment and discharge: -

I This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

GHAN SHYAM Digitally signed by CarlAN SaleAN Dates 2023.06.08 12:27:32 + 05-30

S.No	CCA is valid for	Declared by the unit	Permitted
	1100 KLD	1100 KLD	1100 KLD THROUGH ETP TO JRRJGATION/PROCESS DHANDERA DRAIN

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to eater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell/ back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tentiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 – 8.5	6.5 - 8.5	6.5 - 8.5	No discharge is allowed
TSS, mg/l	<= 30	⊲0	<30	No discharge is allowed
BOD, nig/l	<- 20	< 20	< 20	No discharge is allowed
COD, mg/	< 200	< 150	< 150	No discharge is allowed
TDS, mg/I	< 1800	< 1600	< 1600	No discharge is allowed

GHAN SHYAM Date: 2023.06.08 12.27 × 10.05 10.

Color, PCU	< 250	< 150	< 150	No discharge is allowed
AOX, mg/l	< 8		1	No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.

### 14. For Wood based/Agro based paper mill:

- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- h) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- (CCA) issued to the unit shall stand withdrawn with immediate effect.
- 15. The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its i:TP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.

### C. Domestic effluent/Sewage treatment and discharge: -

 This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	3.0
2.	Treatment facility	SEPTIC TANK
3	Discharge point	SEPTIC TANK

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP studge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Geaner Technology & Waste Minimization Practices:

### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- Oxygen Delignification & Delignific
- d. Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc.
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No. Equipment Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
-----------------------	------------------	---	--------------------------

I	1 X 30 TPH BOILER, 1 X 12 TPH BOILER	BIOMASS/COA L-325 MTD (ONLY APPROVED FUEL PERMITTED AS PER CAQM DIRECTION)	METER	ESP ON 30 TPH Boiler, Multi Cyclone Dust Collect and Wet Scrubber on 12 TPH Boiler	AS PER CAQM DIRECTION
---	--	---	-------	---	--------------------------

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- The unit shall ensure interlocking of air pollution control devises and production processes. iii.
- iv. The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack
- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan V. (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.

#### 9. Noise Pollution Mitigation:

Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industr	ial Area	Commer	cial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at L any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be 2. deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved 3. within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- 4. In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped 5. immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be disputched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior 6. approval before making any modification in product/ process/ fuel/ plant machinery failing which consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -7.
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other (i). Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets-Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 17:28:09 + 05/30\*

- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- 12. made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforescen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In ease of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

### Specific Conditions:-

L This CTO is valid only for the production capacity of Kraft Paper/Bourd/Cup Stock/Writing Printing 415
MT/Day (40 MT/Day Based On Agro Waste And 375 MT/Day Based On Waste Paper) by testing Waste
GHAN SHYAM

Digitally signed by Class Series And
Option 2022,06.08 (27.28 19 agr. 202

Paper- 450 MTD and Agro Waste- 130 MT/Day as raw material and Turbine- 4.5 MW at site 8.5 K.M., BHOPA ROAD, DISTRICT-MUZAFFARNAGAR, U.P.

- 2. The Earlier Board has issued a CTO vide Ref No: 128566/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/water/MUZAFFARNAGAR/2021, Dated: 15/07/2021 and Ref No. - 129893/ UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2021, Dated: 11/08/2021 is revoked.
- 3. The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water and submit the NOC for expanded production capacity.
- 4. Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 5. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate thse Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board
- 6. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 7. The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 8. The Unit shall install Piczometer for measurement of ground water level and the data generated from Piczometer will be provided to the SPCB on monthly basis.
- 9. Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 10. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 11. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 12. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 13. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 14. The industry shall operate and maintain 1 X 30 TPH BOILER WITH ESP, 55 meter stack height from ground level, 1 X 12 TPH BOILER with Multi Cyclone Dust Collector, Wet Scrubber and 30 Meter Stack Height from Ground Level. Fuel to be used in the unit is Biomass/Coal- 325 MTD. Only approved fuel sis permitted as per CAQM direction.
- 15. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P. Act 1986 as amended.
- 16. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAOM a tpoint no. 65.
- 17. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas

Digitally signed by Lerni SILYANI GHAN SHYAM

Date: 2023.06 08 12 28 In -10 10

(CAQM).

- 18. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 19. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 1/nit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 21. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 22. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P. Act 1986 as amended.
- 23. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agre based raw materials in the production process.
- 24 The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 25. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 26. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 27. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 28. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section-21/22 of air Act 1981 (as amended respectively).
- 29. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P.Rules 1986.
- 30. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month;
- 31. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB
- 32. Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board.
- 33. The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 34. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 35. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 36 Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016 Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.

GHAN SHYAM Date 2023,060% 13:28:39:405:30

- 37. The unit shall submit the audited balance sheet for the current year.
- 38. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 39. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

GHAN SHYAM Charles 2023, 06 CM 12: 28:48 + 03: 202

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Date: 2023.0508 122858 405'30'

Chief Environmental Officer (Circle 3)

S SHRI MAHAVIRAI NAMEH S

Mobile 05841095978 08941095979 e-mis garg duplex@hotmers.com CIN 053011UP1985PTC007472



# GARG DUPLEX & PAPER MILLS (P) LTD.

Works & Regd. Office : 8.5 Km. Bhopa Road, MUZAFFARNAGAR-251 001

To

14 August 2018

The Regional Officer

U.P. Pollution Control Board

Kamal Cinema Bullding, Railway Station Road

Muzaffarnagar (U.P.) 251001

Subject: Rel to letter no. 2113/G-96/OA-231/MZR/2018

Respected Sir,

This is in reference to above mentioned subject we would like to summit that we are manufacture kraft paper using recycle paper. We want to summit reply about the compliance of the direction given by the U.P Pollution Control Board, Muzaffarnagar.

- Electromagnetic flow meter is installed on both bore well having maintained proper record (attached annexure no-1).
- Plastic waste and rejects record maintaining regularly basics and disposed off by Bharat Oil and Waste Management Pvt Ltd. (attached annexure no- 2)
- unit keeps maintaining proper housekeeping on regulariy basics.
- 4. Unit ensure that maintain regularly norms given by UPPCB

Sir we assure you for compliance of direction given by UPPCB. Kindly acknowledge it.

Hope for your positive response.

For Garg Duplex Paper mills Pvt. Ltd.

(Auth. Signatory)

Cc – UP POLLUTION CONTROL BOARD,

Vibhuti Khand, Gomti Nagar, Lucknow,

Uttar Pradesh

A64 2)

BHI ANDAN PERSHAD &	EROS.		Invoice t			Dated		
ADAR BAZAK			18-19/1		JE	28-Jul	-2018	1
IT CANTT No 99070909.3 UIN: 00//CUPJE 1: 11	Delivery	Note		ModerT	erms of Pa	yment		
Name: Utter Prodeun	, Code: 09	60	Buyer's	Order No.	-	Dated	-	
I : epbmukul@gm;ii' co	orn .		TELE.			28-Jul	-2018	
org Duplex & Paper Mills	(P) Ltd. **	1 50	Despatch	h Document	t Na.	Daliven	/ Note Date	П,
5 km Bhops Read, Muzal	farnagar 139301ZV		Despato	hed through		Destina	tion	2 5 5
nifiko ni Name i i Mili Prod	ash, Code	: 09	Terms of	Delivery				
			3					
			1					
		10	- S. 64					
Description of Goods	NSN/SAC	GST Rate	Quantity	Rate	per	Disc. %	Amou	nl .
	HSWSAC 9026	A Company of the Comp	Cuantity 2 PCS.	Rate 44,005.00				
Goods WATER METER EMF		Rate	100					
Goods WATER METER EMP -100 MM  CGS7 SGS1	5200	Rate	100				89,1	10.0
Goods WATER METER EMF -100 MM	5200	Rate	100				89,1	10.00 29.90 29.90 0.20
Goods WATER METER EMP -100 MM  CGS7 SGS1	5200	Rate	100				89,1 7,9 7,9	10.00
Goods WATER METER EMP -100 MM  CGS7 SGS1	5200	Rate	100				89,1	10.00

in. an Rupees One Labb Three Thousand Nine Hundred Seventy Only

HSN/SAC	Taxable -	Can	trat Tox	Sto	to Tax	Total-
	Value	Rate	Amount	Rate	Amount	Tax Amount
9024	88,110.00	9%	7,929.90	<b>新</b>	7,029.90	15,859.80
Total	88,110.00		7,929.90		7,929.90	15,859,80

Fas Amount (in words) : Indian Rupees Fifteen Thousand Eight Hundred Fifty Nine and Eighty paise ply

Company's PAN

ti - ne corect.

: ACUPUNDATE

Ordalation

the good described the first the setucity of

UJJECT TO MEERUT JURISDICTION

1 5 is a Computer Generated Invoice

for ABILINANDAN PERSHAD





# BHARAT OIL & WASTE MANAGEMENT LTD. (BOWML)

Aww.bharatoil.com
Passion (tely Protecting Mother-Nature Since 1978)

# MEMBERSHIP CERTIFICATE

M/s. Garg Duplex & Paper Mills Pvt. Ltd.

8.5 Km, Bhopa Fload, Muzzaffar Nagar - 251001, Ultar Pradesh

is a registered member of our facility

Plot#872, Sikandra Road, NH-2, Kumbhi Village, Tehsil Akbarpur, Kanpur-Dehat, Uttar Pradesh

for safe, legal & actentific Disposal of Hazardous Waste

Member # :\_\_\_\_ BOWML/K/2767/18

Expiry Date :\_\_\_\_\_\_January 05, 2019

One may varify active membership by calling
Bharat Oil & Waste Management Ltd. at
011-4100 0710, 2621 6466 or Email: sales@bharatoil.com





Limbertiles and the classic sector fitting of agreement & this be terminated by BOWML.

Anseren-2

Annimore-3

8118/22, 3:47 PM



# GROUND WATER DEPARTMENT

(Namami Garige & Hural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Utter Predesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC027380 VALID FROM 30/07/2021 TO 29/07/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2021070	000171		
Name of the Owner	RAJESH JAIN		
Designation ex	DIRECTOR		
F2		Company Name कंपनी का शाम	GARG DUPLEX AND PAPER MILLS
Company Address कंपनी का पता	B.5 KM STONE BHOPA ROAD MUZAFFARNAGAR	Authorization Letter	PVT LTD Download
Address of the Applicant	12A, TRILOKI COLONY, DDA PARK, KOTLA MUBARAKPUR, LODHI ROAD, CENTRAL DELHI,	श्राधिकार पश् Application Form Surfal	
Date of Submission	08/07/2021	No.	MZ/1N0721NENC038
Location Particulars		Specimen Signature	
District	Muzattar Nagar		
Plot No./Khaera No.	N/A	Block	KUKDA SADAR
Ward No. Holding No.		Municipality/Corporation	No No
Particular of the Existing	Well and Pumping Device		N/A.
Date of Construction/Striking of the Well	01/10/15pg		
Type of Well	Tube Well/Boring	Depth of the Well (in	40.00
Perpose of well	Industrial	meter; Assembly Size(For Tube	
Strainer Position (For Tube We		Well)	
Type of Pump Used	Submerable	UR area no	
Operational Device	Electric Moles	H.P. of the Pump	12.50
		Rate of Withdrawal (m <sup>3</sup> /hc)	40.00
Date of Energization (In Case of	d Electric Pump)	Outonese	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	40.00	Maximum Allowable Running Hours Per Day:	20.00
Maximum Allowable Annual Extraction of Ground Water:	264030,00	Recharge Required	0,00

### 8/18/22 3:47 PM

- . This No-Objection contricute authorizes the owner applicant (user) to sink a well in the location specified at SL (2) for extraction of ground water at a rate not exceeding that as shown at St. (3), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at SL (3k) and is valid subject to the observance of the conditions stoled overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 0.60 cubic meter, as specified under the application form.

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to 58 from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration
- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made. without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affor digital water flow meters (conforming to BIS) is standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hexards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, tresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SL (2) and (3) of this certificate shall be made. without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Pfezometers and their Monitoring

Plezameter is a borewell /fubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the prezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piecometers are installed the second prezemeter should monitor the shallow ground water regime, it will facilitate shallow as well as deeper ground water aquillor monitorine.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No Quantum of	Quantum of Ground water withdrawal (oun/day)	Ground water withdrawal (ouniday) No.of piezometers required		oniting Mechanism
	Tana da	no.s. passioners required	Manual	DWLR with Telemetry
1	< 10	.0	0	0
2	11 - 50	1	1	D
3	50- 500	1	c	1
4	> 500	2	0	7

- The measuring frequency should be monthly and accuracy of measurement chould be up to om, the reported measurement should be given in mater upto two decimal,
- For measurement of water level sounder or automatic water level recorder (AVX.R)/ Digital Automatic water level recorder (DVX.R) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been alapped for about four to
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation,
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 fl capacity bottle) to the concerned Director, Ground Water Department, Urtain Pradesh, for chemical analysis.
- A Parmanent display board should be installed at plezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- in case, any of the particulars I information furnished by the applicant in his application for issuance of this pennit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions

# \$18 ... 3:47 PM

- 0 No Cojection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water. as inclusives shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- (i) All industries abstracting ground water in excess of 100 m<sup>3</sup>id shall be required to undertake annual water audit through Confederation of Indian Industries (CIII) Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries certified auditors and submit sudit reports within three months of completion of the same to Ground Water Department Ultar Pradesh. All such Industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- , w) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 16 m<sup>3</sup>/day of ground water and. Monitoring of water level shall be does by the project proponent. The plezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well production well. Depth and aquiler zone tapped in the prezometer shall be the same as that of the pumping well' wells. Monthly water level data shall be submitted online to the Ground Vatier Department, UP.
- , v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises, industries which are tikely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tennery, posticides/insecticides, fertilizers, also ghier house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the Industry.
- vi) Injection of treated untreated waste water into equifer system is strictly prohibited.
- vi) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) in case of intrestructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow mater) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandalory for new projects, where ground water requirement is more than 20 m<sup>3</sup> May. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date :18/08/2022

Place Muraffar Nagat

This certificate is electronically generated and does not require digital signature

8/18/22 3:45 PM



### GROUND WATER DEPARTMENT

(Nament Gange & Rural Water Supply Department)
Ministry of Jal Shakti
Covernment of Ultar Pradesh

Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC014279
VALID FROM 30/07/2021 TO 29/07/2026

(UIS10(1) of the Ultar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202103000365 Name of the Owner RAJESH JAIN Designation DIRECTOR Company Name GARG DUPLEX = कंपनी का नाम AND PAPER MILLS PVT. LYD Company Address 8.5 KM BHOPA ROAD , MUZAFFARNAGAR Authorization Letter Download क्षाती का दाह पाणिकार पश Address of the Applicant 12A, TRULONI COLONY, DOA PARK, KOTLA NUBARAKPUR, LODH ROAD. Application Form Serial MZFN0721MIN0037 CENTRAL DELHI. Date of Submission 22/00/2021 Specimen Signature **Location Particulars** Distract Muzaffar Nagar Block Municipal Corporation/Nagar Palika Panshad. Muzaffer Neger Plot No./Khasra No. NVA Municipality/Corporation NA Ward No Molding No. NA Particular of the Existing Well and Pumping Device Date of Construction/Sinking 01/10/1989 of the Well Type of Well **Tube Web/Boring** Depth of the Well (in 40.00 meter) Purpose of well Industrial Assembly Size/For Tube Well Strainer Position (For Tube Well) Type of Pump Used Submerable H.P. of the Pump 12.50 Operational Device Electric Motor **State of Withdrawal** 40.00 (m<sup>3</sup>/hr.) Date of Energization (in Case of Electric Pump) 01/10/1989 Maximum Allowable Rate of Maximum Altowable 20.00 Withdrawal (m³/he.): Running Hours Per Day:

6/18/22, 3:46 PM

Maximum Allowable Annual Extraction of Ground Water:

254000.00

Recharge Required

284000.00

- . Take No-Objection certificate authorizes the owner applicant (user) to sink a woll in the location specified at SI, (2) for extraction of ground water at a rate not esceeding that as shown at St. (3), for Running Hours per day as shown at St. (34), and for maximum allowable annual extraction of ground water as shown at SI, (3k) and is will subject to the observance of the conditions stated availant.
- Holder of this NOC is hareby directed to exact a surround recharge of 204000,00 cubic mater, as spedfled under the application form.

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to \$1 from 1(A) for registering his/her well within \$0 days as mentioned in application form shall only started after registration
- In case of any change of ownership of the proposed well, tresh authorization has to be obtained.
  - No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to carcellation of this authorization
  - For the purpose of measuring and recording the quantity of ground water extracted, every sald user shall affix digital water flow maters (conforming to BIS/18) standards) having tolerretry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 300 shall not exceed to the recorded rate from water meters
  - The concerned Authority reserves the right to stop extraction of ground water from the well due to qualify hazards or any other reasons, if the situation so demands
  - In case of any change of ownership of the existing well, fresh registration has to be obtained.
  - No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made. without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
  - In case, any of the perticulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during vertication at any subsequent stage , this registration is liable for concellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a tresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Piezoneter is a borewell indicewell used only for measuring the water level by lowering the tage? sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when over needed. General guidelines for installation of plecometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second plezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water equiler
- No. of pagemeters to be constructed & Type of water level monitoring mechanism shall be as per below table;

	Control of the Contro	AND CARCOLOGOUS CONTROL OF THE PARTY OF THE		Moniting Mechanism		
S.No. Quantum of Ground water withdrawal (cum/d	Quantum of Ground water withdrawal (cum/day)		No.of piezometers required	Manual	DWLR with Telemetry	
4	= 10		0	0	ā	
2	11 - 50		1	1	0	
3	50- 500		1	0	1	
4	> 500		2	0	2	

- The measuring frequency should be morthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter upto two deprinsf.
- For measurement of water level sounder or automatic water level recorder (AVA.Ry Digital Automatic water level recorder (DVA.R) with telemetry system. should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plazometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Product, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monscon (May/June) and post-monscon (October/November) periods. Quality may be got analyzed from NASL approved lab. Basides, one sample (1 if capacity botts) to the concerned Director, Ground Water Department, Uttar
- A Permanent display board should be installed at plezometer/fube wells site for providing the location, plezometer/ tube well number, depth and zone tapped of piezumeter/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority. In case, any of the particulars if information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any
- subsequent stage, this permit is trable for cancellation.

### SPECIFIC CONDITIONS

- (A) For Industrial User: No Objection Cartificate for ground water extraction by industries shall be granted subject to the following specific conditions I No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- in All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources
- pp All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Incian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries certified auditors and superit audit reports within three months of completion of the same to Ground Water Department Litter Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- (a) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>2</sup> (day of ground water and. Monforing of water level shall be cone by the project proponent. The plexometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well-production well. Depth and equilar zone lapped in the piezometer shall be the same as that of the pumping well wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvestingl recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tennery, pesticides' insecticides, fertilizers, staughter house, explosives etc.) shall store the harvested min water in surface storage tanks for use in the industry.
- w) injection of treated/untreated waste water into squiler system is strictly prohibited.
- s it is industries which are likely to cause ground water polition e.g. Tenning, Slaughter Houses, Dye, Chemical Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB 1st) need to undertake necessary well head protection measures to ensure prevention of ground water poliution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- In case of intrastructure projects that require dewalering, proponent shall be required to carry out regular monitoring of dewatering decharge rate (using a digital) water flow moter) and automit the data online to Ground Water Department, UP as applicable, Monitoring records and results should be refaired by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- II) Installation of Sewage Treatment Planta (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>2</sup> iday. The water from STP shall be utilized for tollet flushing, car weating, pardening etc.

Date:31/07/2022

Place: Wozalfar Nagar

This certificate is electronically generated and does not require digital signature

8/18/22, 3:47 PM



### GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Utter Pradesh

Form 8 (C)

(See Rule 8(1))

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC048015 VALID FROM 30/07/2021 TO 29/07/2026

(UIS10(1) of the Utter Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 202107000212

Name of the Owner RAJESH JAW Designation DIRECTOR Company Name GARG OURLEX क्यती का राज AND PAPER MILLS PVTLTE Company Address 8.5 KM STONE BHOPA ROAD MUZAFPARNAGAR. कपनी का पता Authorization Letter Download पाणिकार पत्र Address of the Applicant 12A, TRILOKI COLONY, DOA PARK, KOTLA MUBARAKPUR, LODHI ROAD. Application Form Serial CENTRAL DELHI, M2FN0721N190039 Date of Submission 0907/2021 Specimen Signature Location Particulars District Muzaflar Negar Block KUKDA SADAR Plot No Athasis No. NO Municipality/Corporation No Ward No./Holding No. Particular of the Existing Well and Pumping Device Date of Construction/Sinking 01/10/1009 of the Wet! Type of years Tube Well-Boring Depth of the Well (In 40.00 motor) Purpose of well **Industrial** Assembly Streffor Tube Well) Straiter Position (For Tube West) Type of Pump Used Submersible H.P. of the Pump 12:50 Operational Device Electric Motor Rate of Withdrawal 40.00 (selfen) Date of Energization (in Case of Electric Pump) 01101989 Maximum Allowable Rate of Maximum Allowable Withdrawai (m\hr.): 10.00 Running Hours Per Day: Maximum Allowable Annual 132000.00 Recharge Required 6.00 Extraction of Ground Weter:

#### 1102 347 PM

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SL (2) for extraction of ground water at a rate not exceeding that as shown at St. (3)), for Running Hours per day as shown at St. (36), and for maximum afowable annual extraction of ground water as shown of SI (3k) and is valid subject to the observance of the conditions stated overlead.
- Holder of this NOC is hereby directed to assure annual recharge of 0.00 cubic mater, as specified under the application form.

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration
- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawel and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Coimpetent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affect digital water flow meters (conforming to BIS/IS stunderes) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presented. that the quantity recorded by the meler has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in lient 3(k) shall not exceed to the recorded rate from water meters
- . The concerned Authority reserves the right to stop extraction of ground water from the well due to qualify hexards or any other reasons, if the situation to demands
- . In case of any change of ownership of the existing well, trash registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made. without prior permission of the Competent Authority. Any deviation in this regard shall less to concellation of this registration
- . In case, any of the particulars I information furnished by the applicant in his application for issuence of this regionation is found to be incorrect during verification of any subsequent stage , this registration is liable for canonibation.
- The Certificate of Authorization/ KQC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh epolication, at least ninety days prior to expiry of its validity.
- Construction of plazometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of plazometer should be commercurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Plezometers and their Monitoring

Pleasure for is a bone-est Aubewell used only for measuring the water level by lowering the taper sounder or automatic water level measuring equipment, it is also used to take water sample for water quality testing when ever needed. General guidefines for installation of pleasteeless are as follows:

- The prezoneter is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdraws. The diameter of the piecometer should be about 4" to 6".
- The depth of the pleasureter should be same as is case of the pumping well from which ground water is being abstracted. If more than one pleasureters are installed the second piezometer should monitor the shallow ground water regime, it will facilitate shallow as well as deeper ground water aquitor monitoring.
- No. of piczonielers to be constructed & Type of water level monitoring machanism shall be as per below table;

SNo Quanto	Quantum of Ground water withdrawal (complete)	Mo.of piecometers required	Montking Mechanism		
			Manual	DWLR with Telemetry	
1	<10	0	0	0	
2	11 - SQ	1	1	0	
3	50-500	4	0	4	
4	> 500	2	0	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to on, the reported measurement should be given in mater upto
- For measurement of water level sounder or automatic water level recorder (AMLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy
- . The measurement of water level in piccomatur should be taken, only after the pumping from the surrounding tube wate has been stopped for about bur to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), dapth, zone taped and assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring Systemitor Ground Water Department, Ultar Prodesh, and for its vestoaton.
- The ground water quality has to be monitored twice in a year during pre-monscon (May/June) and post-monscon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it capacity bottle) to the concerned Director, Ground Water Department, Uttar Prodesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells also for providing the location, piezometer/Tube well number, depth and zone tapped of piezomelerflube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- . In case, any of the particulars i information furnished by the applicant in his application for issuance of this parek is found to be incomed during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For industrial User: No Objection Certificate for ground water extraction by incustries strating granted subject to the following specific conditions:

### \$1822, 3:47 PM

- . If No Objection Certificate shell be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water. (i) All industries shall be required to adopt latest water afficient technologies so as to reduce dependence on ground water resources ii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CIty) Federation Indian Chamber of Commerce and Indiastry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries certified auditors

and submit audit reports within three months of completion of the same to Ground Water Department Utar Praction. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.

- by Construction of observation well(s) (plecometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m² (day of ground water and. Monitoring of water level shall be done by the project proponent. The plezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well-production well. Depth and equifier zone tapped in the piezometer shall be the same as that of the pumping well wells. Monthly water level date shall be submitted online to the Ground
- . v) The proponent shall be required to edopt roof top rain water harvesting/ recharge in the project premises, industries which are likely to pollute ground water (chemical, phermaceutical, dyes, pigments, paints, textiles, tennery, posticides/ insecticides, fertilizers, staughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

v) injection of treated/untreated waste water into aquifer system is strictly prohibited.

 vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical Petrochemical, Cool washeries, other hazardous units etc. (as per CPCS fet) need to underlake necessary well head protection measures to ensure prevention of ground water pollusion.

(B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:

 i) In case of infrastructure projects that require deviatering, proponent shall be required to carry out regular monitoring of devatering discharge rate (using a digital). water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proporent for two years, for inspection or reporting as required by District Ground Water Management Council.

 ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> May. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date: 13/07/2022

Place: Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 9522-2720828,2720831 Fax: 9522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 17560/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated :25/07/2022

To.

M/s GARG DUPLEX AND PAPER MILLS PVT LTD

8.5 KM, Bhopa Road, Muzaffarnagar, U.P,MUZAFFAR NAGAR,251001

Tehsil : MuzaffarNagar

District :MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 17560 and 25/07/2022.
- 2 Reference of application (No. and date) 16745662 and 15/06/2022.
- 3. Mr RAJESH JAIN of M/s GARG DUPLEX AND PAPER MILLS PVT LTD is hereby granted an authorization based on the enclosed signed inspection report for generation. collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 8.5 KM, Bhopa Road, Muzaffarnagar.

### Details of Authorisation

		Details of Mannet Batton			
S No.	Category of Hazardous Waste as per the Schedules I <sub>3</sub> H and HI of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum		
ī.	CATEGORY 33.2 AS PER SCHEDULE 1 (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.20 Mt/Annum		
2	CATEGORY 33.1 AS PER SCHEDULE J (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGHTSDF	2.0 Mt/Annum		
3	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGHTSDF	0.40 Kl/Annum		
4	CATEGORY 32.3 AS PER SCHEDULE I (Process Studge)	THROUGHTSDF	60 Mt/Annum.		

- The authorization shall be valid for a period of 24/07/2027 from the date of issue of this letter 1.
- The authorization is subject to the following general and specific conditions (please specify 2. any conditions that need to be imposed over and above general conditions, if any).

### General Conditions of Authorization -

The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under . Dighelb signed as time for

RAKESH KUMAR

CHMARTYNIA Date 2072/58 17 to Wells vid. 3D

TYAGI

- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.

  RAKESH KUMAR
  TYAGI

  TYAGI

  TYAGI

  REPRESENTATION OF THE STAFF

- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.

of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.

- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

RAKESH KUMAR TYAGI Date: 2022.08;17 103953 +0530

### UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action .

RAKESH KUMAR TYAGI Destroya Destroya (1990) 1990 (1990) 19

CEO/EE, I/C Circle

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

	A. General section	Date of inspection: 27.12.2023
I.	Name of the unit with complete postal address:	M/s Alpana Papers Private Ltd., 09th km stone, Jolly road, Sikhreda, U.P 251314
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.433387, 77.784870
3.	Industry Operational status	Operational on trial run
4.	Consent status	<ul> <li>Unit has Consent to Establish (CTE) from UPPCB dated 18/08/2023 under the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended and Air (Prevention and Control of Pollution) Act, 1981 as amended. Copy of CTE is attached (refer Annexure-1).</li> <li>Unit does not have valid CTO.</li> <li>CTO applications are also not provided.</li> </ul>

5.	B. Production process and infrastructure  Process Currently manufacturing only Kraft paper using marks page wind a pro-				
		Currently manufacturing only Kraft paper using waste paper-mixed type i.e imported &indigenous, as per availability			
6.	Raw material				
	a. Consented value	Waste paper (110 T/day, as per CTE)			
	b. Actual consumption (as per logbook)	unit was on trial run since 5 days.  Estimation:  As per CTE raw material consumption is 110 MT/D (waste paper) 4.58 MT/H)  Total estimated raw material consumption for 5 days: 4.58MT/H			
	c. Estimated daily consumption	hr/day x 60% x 5 days = 68.7 MT 13.74 MT/day			
7.	Production				
	a. Consented value	Kraft paper = 100 MT/day, as per as per CTE.  However, as per CTE unit will also produce Tissue paper/packing off-white paper.			
	b. Actual Production (as per logbook)	<ul> <li>Quantity information not available by the unit.</li> <li>However, as informed by the unit representative, estimation is as under:</li> <li>Consented production is 100 MT/D (Kraft paper) (i.e. 4.17MT/H)</li> <li>Total estimated production for 5 days: 4.17 MT/H x 5 hr/day x 60% x 5 days = 62.55 MT</li> </ul>			
	100 At 100 At 10 At 11				

c. Estimated daily

e. Estimated waste

CGWA/other

authorized body

Fresh water consumption

produce

a. NOC from

d. Yield (%)

12.51 MT/day

meters.

91 % of raw material

9 % of raw material i.e. 1.23 MT/D

· NOC from UPGWD not available.

· Actual withdrawal quantity is not available due to non-installation of flow

	b. Details of borewell	<ul> <li>Actual no. of borewell found on site: 02 nos.</li> <li>No metering at borewell, water consumption in process, ETP inlet/outle and treated water recirculation, hence no records maintained.</li> </ul>					
	c. Permitted withdrawal quantity	As per CTE, the water requirement of the industry is 230 KLD.					
	d. Actual withdrawal quantity	Quantity information not available by the unit.     However, as informed by the unit representative, estimation is as under:     For ZLD unit, fresh water consumption @3KL/MT of product for 5 days: 12.51 MT/day x 3KL/MT x 5 days = 187.65 KL					
	e. Estimated daily withdrawal quantity	37.53 KLD					
	f. Estimated specific fresh water consumption	For ZLD unit, fresh water consumption @3KL/MT of paper					
9.	Effluent Managem	ent					
	<ul> <li>a. Consented discharge value</li> </ul>	As per CTE quantity of effluent generation is 225 KLD.					
	<ul> <li>Actual effluent generation (as per logbook)</li> </ul>	<ul> <li>No metering at ETP inlet/outlet and treated water recirculation, hence n records maintained.</li> </ul>					
	c. Estimated effluent generation daily	Considering effluent Generation rate @70 KL/MT estimated effluent generation is 875.7 KLD					
	d. Actual recycling of treated effluent within process	Partially treated (Primary/Sedicell) Treated effluent (ETP outlet) Total recycled		No metering at ETP inlet/outlet and treated water recirculation, hence no records maintained.			
	e. Losses in ETP %						
	f. Specific effluent discharge	Unit is claiming itself ZLD, however ZLD couldn't be established due to non-availability of data and metering on borewell, ETP inlet & outlet and treated effluent recirculation.					
10.	Verification of ZLD						
	Specific fresh     water     consumption     (as per particular     9.f)						
	b. Effluent discharge						
	c. Metering of	Effluent generation No metering available		ring available			
	effluent generation & recycling point	Recycling points					
	d. BOD/COD	BOD (mg/l)	1895 mg	7			
	characteristics of effluent at ETP	COD (mg/l)	3394 mg				
	inlet						

Effluent treatm	ient plant	nt plant (ETP)					
a. ETP	B	ETP installed having 100 KLD as installed capacity; utilized capacity canno be calculated due to lack of metering. ETP consists of following components: Bar sccreens → Equalization Tank → Megacell → Spray Filter→ Holding Tank → Reuse in to process					
b. Installed capacity	4200	KLD	and the proc	odb			
c. Metering at I	TP ETP	ETP inlet					
	Recy	Recycling points					
	ETP	outlet	hence no records				
d. Operational		Operational on trial run					
status	Flow	at inlet: No floe	mater installed				
KORWAN	MIV	SS/MI SS in non	meter installed				
e. OCEMS at E' outlet	TP Not a	MLVSS/MLSS in aeration tank: NA Not applicable (ZLD unit)					
Effluent Charac	teristics						
90	ETP inlet	ETP outlet	Norms as per	Norms as per	Compliance w.r.t.		
71		(recycle point)	consent	charter	consent.		
pH	5.9	6.1	Unit is claimi	ing itself ZLD, h	overver ZID couldn't he		
BOD (mg/l)	1895	1630	established du	e to non-availabi	lity of data and metering		
COD(mg/l) TSS (mg/l)	3394	3337	on borewell,	ETP inlet & ou	tlet and treated effluent		
TDS (mg/l)	542 3350	979	recirculation.				
f. ETP Sludge s		3264					
(as per logbook) Daily sludge generation Specific sludge		ata not available					
generation	2000	or available					
Estimated sludge generation @ 30 of of inlet TSS load							
Sludge  Management & Unit has started its production process and ETP recently (i.e. hence no sludge accumulation/storage was found onsite.				y (i.e. on 20.12.2023),			
Remark	-	-					
Non-paper solid waste management							
Non-paper sol waste generated (As per logbook)	than (as) mat • Qua • Hos	observed during erials were found intity information	as laminated position vi- didumped in open not available in of plastic wast	oly-film, cello-ta sit). Non-paper en areas near scr by the unit. te generated @5	d which contains more spes, thread on bobbins /Plastic/ similar waste eens. % of raw material for 5		
		P/ID	2000				
Daily was generation	te 0.69M	1/10					
	te 0.69M° er 5% of j	paper produce					

	waste generation @3.5 % of paper							
13.		gement						
	a. Boiler capacity	10 MT/H Boiler						
	b. Stack details	Stack Height - 30 meter						
	c. APCD installed	Wet scrubber						
	d. Estimated steam	Quantity information not available by the unit.						
	requirement @ 2.7 T/T of paper produce	Estimated steam requirement is 168.885 MT i.e., 33.8 Ton/day						
	e. Fuel used	Sugar cane bagasse used as boiler fuel.						
	f. Fuel consumption (as per logbook)	No logbook available for fuel consumption.						
	g. Estimated fuel consumption @ 3 T steam/ T of mixed fuel	187.65 MT						
	h. Daily mixed fuel consumption	37.53 MT/day						
	i. Daily ash generation	Logbook not maintained by the unit						
	j. Ash generation w.r.t of fuel consumed (%)	2.5 % of bagasse used						
	k. Estimated ash generation w.r.t % of fuel consumed	4.69 MT i.e. 0.94 MT/D						
	<ol> <li>Disposal of ash generated</li> </ol>	No information provided.						
	m. Stack Emission	Particulate matter (PM) 41.4 mg/Nm <sup>3</sup> against norms of 80 mg/Nm <sup>3</sup>						
	n. Ambient Air	Monitoring Location	Shift	Particulate Matter PM10 (Less than 10 Micron) (µg/m <sup>3</sup> )	Particulate Matter PM 2.5(Less than 2.5 Micron)For 24 Hours (µg/m³)			
		ROOF OF	I	144.1	94.64			
		INDUSTRY	II	168.6	106.5			
		OFFICE	III	159.43	88.12			
14.	Hazardous waste m	anagement						
1.0000	Authorization status	<ul> <li>Authorization under the provisions of Hazardous and Other Waste.</li> <li>(Management and Transboundary Movement) Rules, 2016 is not available.</li> </ul>						
	Copy of agreement with recyclers /TSDF	Form-4 and Form-10 are not available.     For the disposal of hazardous waste and disposal of non-paper/Plasti-Waste, agreements with relevant agencies were not provided.						
	Hazardous waste	No information provided.						
	generated							
15.	Ground water Anal	ysis Report:						
uality	Ground water Anal	pared with Bureau o	f Indian Sta	ndard (BIS) drinking water				

Location		(PCU)	Alkalinity	Hardness				-	-	_
Standard values	6.5-8.5	15	600	600	*	2000	1000	1.5	45	400
Value	7.7	BDL	214	180	25	276	22	0.37	0.99	13
Other parameters	Na+	K+	NO2-N	Phosphate-	Magnesium	Conductivity	TSS	12.37	0.99	13
Standard values	*	•	*	-	100	-				
Value	25.84	4.22	0.16	0.07	23	443	11			

Quality of G specification	roundw (Secon	ater is id Revi	compar sion) Is	red wi \$ 1050	th Bure 0: 2012	au of I	ndian vv Me	Standar	d (BIS)	drinki	ng wa	ter —		
Parameter -	As As	Cd	Cr	Cu	Fe	Pb	Mn	He	Ni	70	Sh.	Co	0.	3.5
Permissible linits	0.05	0.003	0.05	1.5	0.3	0.01	0.3	0.001	0.02	15		-	0.01	-
Tested Values	BDL	BDL	BDL	BD L	80.0	BDL	0.1		BDL	0.05	BD	BD	BDL	BD

16.	Recipient drain characteri	stics (Jat Mujher	da drain)				-
17.	Parameter	pH	BOD (mg/l)	COD (mg/l)	T\$\$ (mg/I)	TDS (mall)	T
	Location +	400	1.00	COD (mgr.)	155 (tilg/1)	1 DS (mg/1)	1
	Upstream	7.48	56	268	106	408	+
	Downstream	6.3	1480	2951	596	3736	
	SEATON STORY OF THE PARTY OF TH		17.00.00	40.00	030	0.00	1

### 18. Major observation & Key issues

Unit was found operational on the day of inspection on 27th December 2023.

 The unit representative informed that unit is operating on trial run since 20.12.2023 after obtaining CTE dated 18/08/2023 from UPPCB for carrying out production of Kraft paper and Tissue paper @ 100 MT/day using wastepaper as raw material (110 MT/day) and achieving Zero Liquid Discharge (ZLD).

 Unit is claiming itself ZLD, however ZLD couldn't be established due to non-availability of data, inefficient functioning of ETP, installation of flow meter at ETP and web camera as per the middless. a CONCR 6. P. 1.

the guidelines of CPCB for Pulp & Paper industries operating on ZLD.

 No discharge of effluent observed during visit. Samples were collected from ETP inlet and outlet (recycle point). The treated effluent characteristics were almost the same as those of untreated effluent.

5. Unit has not installed environmental data display board at entrance gate of the unit,

 Unit has installed Reverse Osmosis (RO) plant for treatment of groundwater to make it suitable for use in boiler. RO reject is being fed into ETP.

COD value of 25 mg/l in ground water sample collected inside the unit premises indicates
pollution of ground water which may be due to Jat Mujheda drain flowing adjacent to the unit.

 The analysis values of d/s of recipient drain (Jat Mujheda drain) of the Unit showed high values as compared with u/s i.e. BOD of 1057 mg/l, COD of 2951 mg/l, TSS 596 mg/l and TDS 3736 mg/l indicates the effluent discharge in past by the unit.

#### Key Issues:

9. Unit is found non-complying w.r.t. CTE conditions as follows:

- During visit the unit was found operational and doing trial without having valid CCA.
- Unit has not submitted Air and Water application for consent before start of operation/production.
- Unit doesn't have NOC from CGWA/UPGWD for water abstraction and doesn't have metering for quantitative analysis.
- Unit does not have electromagnetic flowmeter at water source and outlet of ETP and also not maintained the records of water abstracted and treated effluent recycled.

- No Online Continuous Effluent & Emission Monitoring System (OCEEMS) was found installed during the visit.
- 10. No logbooks/records related to raw material, fuel, product manufactured, solid waste/plastic waste & ash generation as well as disposal, freshwater consumption, recirculation of treated effluent were available with the unit.

#### 19. Compliance Status

As per Discharge norms: ZLD could not established

Overall compliance status: Non-complying

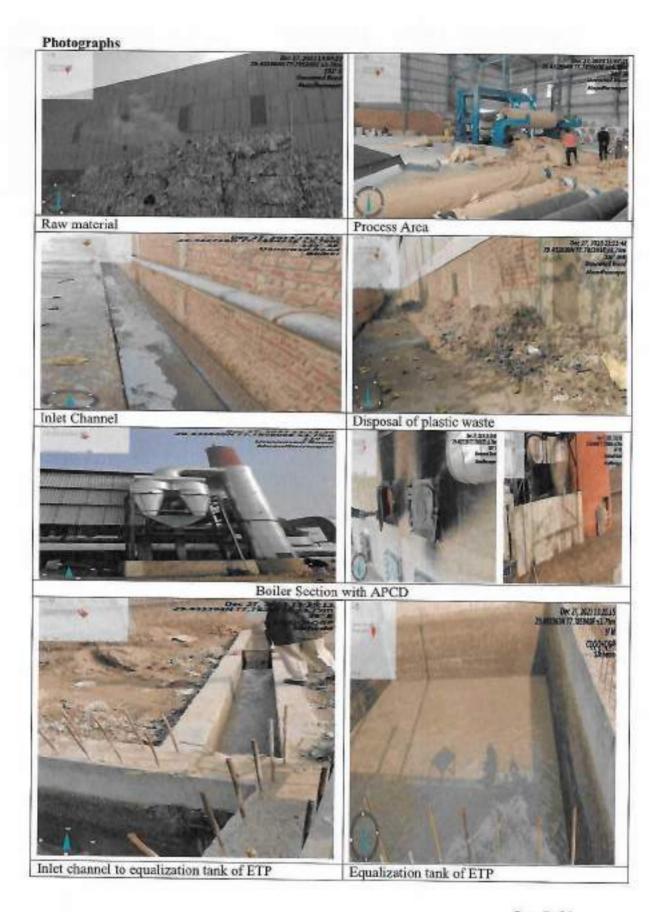
#### 20. Recommendations:

The unit shall:

- Comply with the CTE conditions and obtain CTO from UPPCB before operation and NOC from UPGWD for freshwater abstraction.
- Install flow meter with totalizer on both borewells, ETP inlet & outlet, recycle points and maintain logbook for the same on daily basis.
- 3. Install separate electricity meter at ETP and maintain logbook for the same on daily basis.
- Maintain records separately for quantity of freshwater consumed in the production process, domestic use, and boiler feed.
- To weigh the plastic waste generated; to keep record of production in the separate logbook to assess the quantum of plastic waste generation.
- Maintain records for fuel consumption in boiler and ash generation & sludge generation and disposal.

7. Install Environmental data display board at entrance gate of the unit.

3.	Inspect	ion team details:			
	S. No.	Name of officials	Designation	Organisation	Signature with date
	a.	Ms. Reena Satavan	Scientist - E	CPCB	
3	b.	Sh. C.B. Chaurasia	Scientist - E	CPCB	- Curson
	C.	Dr. Abhas Kumar Maharana	Scientist - B	CPCB	Albrid
	d.	Ms. Garima Dublish	Research Associate-III	CPCB	Ganna
	e.	Sh. Ankit Shukla	SRF	CPCB	Luki-
	f.	Mr. Y.K. Mishra	AEE	UPPCB	X
	g,	Mr. Diwakar Dev Gahlaut	JRF	UPPCB	Sx/
0.0	h.	Puskar Singh	T.A.	UPGWD	4-



Page 7 of 8





#### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone 0522-2730828.2720851. Fac 0522-2720764, Emild: infoscuppeh in, Websitz: www.appeb.ion.

#### 197338/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 05/01/2024

To.

MISALPANA PAPERS PRIVATE LIMITED

9th Kin Stone, Jolly Road, Vill-Sikbreda, Muzaffarnagar, MUZAFFARNAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consolidated Consolidated Authorization) under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1981" and valuetization Rules, 2016"notified under "Environment (Protection) Act, 1986" as applicable (to be referred hereinafter as Water Act, Air Act and HW Rules respectively).

Application no. 23661637

Date :- 2023-12-12

Consolidated Consent to Operate and Authorization (CCA):

- The most har bridges

CVA is bereby granted to M/s ALPANA PAPERS PRIVATE LIMITED located at 9th Km Stone, Jolly Good, Visi-Sikhreda, Muzaffarnagar, MUZAFFARNAGAR, 251001 subject to the provisions of the Vistor Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2616 and the orders that may be made further and subject to following terms and conditions:

- 1 Tais CCA is granted for the period upto 2028-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 this CCA is granted for the period upto 2028-12-31 from the date of issuance of this letter, under 5-2-Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.
- 1.3. Show CCA is granted for the period upto 2028-12-31 from the date of issuance of this letter under liazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016" notified under "Environment (Protection) Act, 1986.

Production Capacity:

5.	No.	Declared by the unit		Permitted by the Board
1400	* 000 01 0	Paw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
4.3	14 c 32 c 14 c	WASTE PAPER - 110 MWDAY AND ALUM, ROSIN	KRAFT/POSTER/TISSUE PAPER- 100 MT/DAY and CAPTIVE POWER PLANT OF CAPACITY-0.315 MW	KRAFT/POSTER/TISSUE PAPER- 100 MT/DAY and CAPTIVE POWER PLANT OF CAPACITY- 0.315 MW

3. Production Process Infrastructure

8. No.	Details	Declared by the unit	Permitted by the	
		Numbers	Usage / Process operation	Board
1	KRAFT/POSTER/TISS UE PAPER- 100 MT/DAY and CAPTIVE POWER PLANT OF CAPACITY- 0.315 MW by using WASTE PAPER - 110 MT/DAY AND ALUM, ROSIN	KRAFT/POSTER/TESS UE PAPER- 100 MT/DAY and CAPTIVE POWER PLANT OF CAPACITY- 0.315 MW by using WASTE PAPER - 110 MT/DAY AND ALUM, ROSIN	KRAFT/POSTER/ HSS UE PAPER 100 MT/DAY and CAPTIVE POWER PLANT OF CAPACITY- 0,315 MW by using WASTE PAPER - 110 MT/DAY AND ALUM, ROSIN	KRALT/POSTER/TISS UE PAPER 100 MT/DAY and CAPTIVE POWER PLANT OF CAPACITY - 0.315 MW by using WASTE PAPER - 110 MT/DAY AND ALUM, ROSIN

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

#### A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi-critical / Critical / Over-Explored Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB: Applied/Granted
- 4. If Granted: Number of NOC and Validity2028-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- 6. Deails of piezometer installed i.e., numbers with coordinates.
- Tins CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced
Agre-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills produci bleached grades of papers, paperboards & newsp	ng <12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills produci unbleached grades of papers and paperboards	ng <8 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills produc unbleached prades of papers and paperboards (ZI	ing Without Power Boiler <2.5 m3/t paper D) With Power Boiler <5 m3/t paper

- Unit shall install separate scaled, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines-process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines earrying fresh water/back water should be coloured as per protocol.
- 13. The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
a company	ZLD.	ZLD	ZLD

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	< 9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- 5. The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the retraining treated effluent after achieving the norms as mentioned below shall be disposed off into the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
------------	------------------------------------	--	---	---

pH	6.5 - 8.5	6,5 - 8.5	6.5 – 8.5	No discharge is allowed
TSS, mg/l	<= 30	<30	<30	No discharge is allowed
BOD, mg/I	<= 20	< 20	< 20	No discharge is allowed
COD, mg/	<= 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	< 250	< 150	< 150	No discharge is allowed
AOX, mg/l	S+ 8		-	No discharge is allowed
SAR	<= 10	< 8	< 8	No discharge is allowed

- 6. In the case of land application of treated effluent, unit shall submit irrigation management plan prepared by any government technical institute of repute. During no demand period for irrigation, the treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flownicter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- The unit should maintain log book of Chemical Recovery System indicating quantity of black fiquor processed, white fiquor generated, soda ash produced (if applicable), running hours etc.
- in case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually,

- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below;

S No.	Detalis	Permitted
	Maximum daily discharge of sewage	5.0
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SEPTIC TANK

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Delignification amp; ECF bleaching for aground a proper for aground
- Use of jet acrators for improved biodegradation in aeration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc.
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills.
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.

- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	1 X 125 KVA DG set	PNG/DIESEL (ONLY APPROVED FUEL BE PERMITTED AS PER CAQM DIRECTION)	AS PER E(P) RULES, 1986	Acoustic Enclosure	AS PER CAQM DIRECTION
2	1 X 10 TPH Boiler	BJOMASS FUEL - 90 MT/DAY OR RDF- 120 MT/DAY OR LOW SULPHER COAL- 40 MT/DAY (ONLY APPROVED FUEL BE PERMITTED AS PER CAQM DIRECTION)	30 Meter Above Stack Height From Ground Level	Multi Cyclone Dust Collector, Wet Scrubber	AS PER CAQM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- i. Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq				
Industr	ial Arca	Commercial Area				
Day	Night	Day	Night			
75	70	65	55			

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

- The unit shall take adequate measures to control of noise from its own source so as to comply with the standards as may be applicable.
- The unit shall provide acoustics enclosure on DG sets as per Environment (Protection) Rules, 1986.
- iv. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.

- Conditions under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016: -
- Number of authorisation and date of issue :2018-02-22.
- Reference of application (No. and date)9957/2018-02-22 :
- R9957 of asd is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, coprocessing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated atast

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	disposal or recycling or	Quantity (ton/annum)
1	CATEGORY 5.1 AS PER SCHEDULE I (USED OR SPENT OIL)	THROUGH TSDF	0.085 MT/ANNUM
2	CATEGORY 33.1 AS PER SCHEDULE I (EMPTY BARRELS/CONTAINERS /LINERS CONTAMINATED WITH HAZARDOUS CHEMICALS/WASTES)	THROUGHTSDF	0.90 MT/ANNUM
3	CATEGORY 33.2 AS PER SCHEDULE I ((CONTAMINATED COTTON RAGS OR OTHER CLEANING MATERIALS)	THROUGH TSDF	0.030 MT/ANNUM
4	CATEGORY 34.2 AS PER SCHEDULE I (Sludge From Treatment Of Waste Water Arising Out Of Cleaning / Disposal Of Barrels / Containers)	THROUGH TSDF	90 MT Amum

- The authorisation shall be valid for a period of
- The authorisation is subject to the following general and specific conditions
- (Please specify any conditions that need to be imposed over and above general conditions, if any):

### General conditions of authorisation:

- The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
- The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular
  interval of time:
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained

- The hazardous and other waste which gets generated during recycling or reuse or recovery or
  preprocessing or utilisation of imported hazardous or other wastes shall be treated and disposed of as
  per specific conditions of authorisation.
- 12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 13. An application for the renewal of an authorisation shall be made as laid down under these Rules
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
   General Conditions:
- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- 3. If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- 7 Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- The unit will have to deposit the revised fee whenever it is notified.

- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

### Specific Conditions:-

- This CTO is valid only for the production capacity of KRAFT/POSTER/TISSUE PAPER-100 MT/DAY and CAPTIVE POWER PLANT OF CAPACITY- 0.315 MW by using WASTE PAPER - 110 MT/DAY AND ALUM. ROSIN only at site 9TH K.M. STONE, JOLLY ROAD, VILLAGE-SIKHREDA, DISTRICT-MUZAFFARNAGAR, U.P., PIN-251001.
- 2. The ground water shall be abstracted after obtaining NOC from the UPGWD. The industry must submit NOC from the UPGWD for abstraction of ground water within 3 months, failing which consent shall be deemed automatically cancelled.
- The industry shall submit a proof of Bank Guarantee submitted in the Board, if not then submit the Bank Guarantee as per CTE issued to unit on 18.08.2023 within a month.
- The industry shall submit point wise compliance of issued CTE to unit on 18.08.2023 within a month.
- 5. No plant and machinery shall be allowed to install in the industry without obtaining prior CTE from UPPCB.
- This consent is valid only for Zero Liquid Discharge (ZLD). No effluent is allowed to discharge outside the factory premises.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board by LIMS Portal.
- 8. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to

discharge.

- 9. The unit will not use agro based raw materials in the production process.
- 10. The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 11. The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 12. Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 13. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 14. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 15. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 16. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 17. The industry shall operate as per norms by CAQM/CPCB 1 X 10 TPH Boiler and CAPTIVE POWER PLANT OF CAPACITY- 0.315 MW with Multi Cyclone Dust Collector, Wet Scrubber and 30 meter stack height from ground level. Fuel for Boiler is BIOMASS FUEL- 90 MT/DAY OR RDF- 120 MT/DAY OR LOW SULPHER COAL- 40 MT/DAY. Industry also operate as per norms 1 X 125 KVA DG set with Acoustic Enclosure and stack height as per Board norms. Fuel for DG set is PNG/Diesel. Only approved Fuel for Boiler is permitted as per direction given by CAQM.
- 18. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended,
- 19. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM at point no. 65.
- 20. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 22. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 24. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 25. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)\* where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for</p>

- maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available as onetime as per CAQM direction dated-16.12.2022.
- 26. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P. Act 1986 as amended.
- 27. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 28. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 29. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 30. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 31. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 32. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 33. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P.Rules 1986.
- 34. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 35. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 36. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 37. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 38. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 39. Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016. Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016. Construction and Demolition Waste Management Rules, 2016. Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 40. The unit shall submit the audited balance sheet for the current year.
- 41. The industry shall establish Miyawaki forest inside the factory premises in sufficient area the treated effluent from the ETP shall be used for forestation/irrigation within premises.
- 42. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02
- dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.
- 43. The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 44. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner

suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.

- 45. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 46. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 47. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice. 48. The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You
- should also maintain records on Form-3 and present it to Board's inspecting officials. 49. In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control
- Board at the earliest along with details of mitigative and remedial measures taken. 50. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter. otherwise the industry shall become member of a common TSDF and the industry shall start sending the llazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 51. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 52. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 53. Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 54. It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 55. The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 56. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid nazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 57. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Fransboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time

- 58. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 59. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 60. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 61 Ground water monitoring report of premises shall be submitted within one month.
- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 63. The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

PRADEEP SHARMA SURMA SURMA SURMA SURMAN SURM

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA Pant representation of the Chief Environmental Officer (Circle 3)

#### INDUSTRY INSPECTION REPORT (PULP & PAPER)

	A. General section	Date of inspection:03.01,2024
1.	Name of the unit with complete postal address:	M/s K K Duplex and Paper Mills Pvt. Ltd., Khasra No. 1048, 1088, 1089, 1090, 8.5 KM Jansath Road, Muzaffarnagar, Uttar Pradesh-251001
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.42305, 77.75896
3.	Industry Operational status	Operational
4.	Consent status	CCA No. /UPPCB/Muzaffarnagar(UPPCBRO)/CTO/both/MUZAFFARNAGAR/20 23 dated 24.02.2023, which is validtill 31.12.2027 (CCA placed at

Annexure-1)

B. Production process and infrastructure Process Manufacturing Duplex board using waste paper-mixed type i.e., imported &indigenous, as per availability Waste Paper→Pulper→ Storage Chest/Dump Chest→High density cleaner→Thickening→ Refining→ Chemical mixing→ Sheet Formation→ Press section→ Dryer Section→M.G.→ Sizing Press→ Calendar→ Coating dryer→Rewinder and Finished paper Raw material 6. a. Consented value 240 MT/day b. Actual 9570 MT consumption (As per logbook provided by the unit of last three months Oct 01-Dec 31, (as per logbook) 2023) c. Avg. daily 106.33 MT/day consumption Production 7. a. Consented value Kraft Paper/Duplex Board-200 MT/day b. Actual Production 8711.6 MT (as per logbook) (As per logbook provided by the unit of last three months Oct-Dec, 2023) c. Avg. daily 96.79 MT/day (8711.6/90) production d. Yield (%) 91 % of raw material e. Estimated waste 9 % of raw material i.e. 21.27 MT/D produce Fresh water consumption a. NOC from NOC for 02 borewells approved by Ground Water Department (Namami CGWA/other Gange& Rural Water Supply Department), Ministry of Jal Shakti, authorized body Government of Uttar Pradesh. Validity of both NOCs: from 14.03.2021 to 13.06.2026 (NOCs placed at Annexure-2) b. Details of borewell Two borewells with flow meter with totalizer c. Permitted 400 KLD withdrawal quantity d. Actual withdrawal 15153 KL(As per logbook provided by the unit of last three months Octquantity Dec, 2023) e. Avg. daily 164.71 KLD withdrawal quantity f. Specific fresh 1.74 KL/MT of paper water consumption **Effluent Management** 

		The state of the s					
	a. Consented discharge value	ZLD					
	b. Actual effluent generation (as per logbook)	217026 KL (	Oct 01-Dec 31	, 2023)			
	c. Avg. effluent generation daily	2411.40 KLD					
	d. Actual recycling of	Partially treat	ed (Primary/ Se	edicell)	1915.68 KLD		
	treated effluent	Treated efflue	ent (ETP outlet)		463.11 KLD		
	within process	Total recycled			2378.79 KLD		
	e. Losses in ETP %			6 in form o	f moisture in generated sludge		
	f. Specific effluent	Nil (ZLD unit)	200		more an generated madge		
10.	discharge Verification of ZLD	1					
	<ul> <li>Specific fresh water consumption (as per particular 9.f</li> </ul>	t	e. < 2 KL/MT				
	b. Effluent discharge	Nil (ZLD unit)					
	c. Metering of	Effluent gene		Claster	manufacture of the same of the		
	effluent generation & recycling point		racion		magnetic flowmeter with totalize ed at feed to sedicell and logboo ined		
		Recycling poir	Recycling points		Electromagnetic flowmeter with totalize installed at ETP treated effluent line to Pap machine, pulper machine and after spra- filter. Logbook maintained		
	d. BOD/COD	BOD (mg/l)	3780 m				
	characteristics of effluent at ETP inlet	COD (mg/l)		8292 mg/l			
					f ETP inlet and ETP recycling lines		
			generation q partially/full	the unit for uantity for y treated	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of		
11.	Effluent treatment	plant (ETP)	generation q partially/full	the unit for uantity for y treated	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a		
11.	The second secon	water state of the	generation q partially/full 2378.79 KLD	the unit fou uantity fou y treated with 1-2 9	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.		
11.	Effluent treatment  a. ETP consists of	Inlet - Bar : Equalization t Treated wate paper machin	generation q partially/fully 2378.79 KLD screen - Colle ank - Sedicell r storage tank e, pulper and o	the unit for uantity for y treated with 1-2 % ction tank - Tube set : - utilized ther utilitie	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e.		
11.	a. ETP consists of	Inlet – Bar : Equalization t Treated wate paper machin Sedicell, Prim	generation q partially/fully 2378.79 KLD screen - Collo ank - Sedicell r storage tank	the unit for uantity for y treated with 1-2 % ction tank - Tube set : - utilized ther utilitie	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e.		
11.	The second secon	Inlet - Bar : Equalization t Treated wate paper machin	generation q partially/fully 2378.79 KLD screen - Collo ank - Sedicell r storage tank e, pulper and o ary treatment f	the unit for uantity for y treated with 1-2 % ction tank - Tube set - utilized ther utilitie followed by	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize		
11.	a. ETP consists of     b. Installed capacity	Inlet - Bar : Equalization to Treated water paper machin Sedicell, Prim 4200 KLD ETP inlet	generation q partially/fully 2378.79 KLD screen - Collo ank - Sedicell r storage tank e, pulper and o ary treatment f	the unit for uantity for y treated with 1-2 % ction tank - Tube set - utilized ther utilities followed by lectromagnistalled at	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize feed to sedicell		
11.	a. ETP consists of     b. Installed capacity	Inlet - Bar : Equalization to Treated water paper machin Sedicell, Prim 4200 KLD ETP inlet	generation q partially/fully 2378.79 KLD  screen - Colle ank - Sedicell r storage tank e, pulper and o ary treatment f	the unit for uantity for y treated with 1-2 9 ction tank - Tube set - utilized ther utilities followed by electromagnstalled at 'es, logbook	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize		
11.	a. ETP consists of     b. Installed capacity     c. Metering at ETP	Inlet - Bar : Equalization to Treated water paper machin Sedicell, Prim 4200 KLD ETP inlet Recycling point ETP outlet	generation q partially/fully 2378.79 KLD  screen - Colle ank - Sedicell r storage tank e, pulper and o any treatment f	the unit for uantity for y treated with 1-2 % ction tank - Tube set - utilized ther utilities followed by lectromagnistalled at	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize feed to sedicell		
11.	a. ETP consists of     b. Installed capacity	Inlet - Bar : Equalization to Treated water paper machin Sedicell, Prim 4200 KLD ETP inlet  Recycling poin ETP outlet Coperational	generation q partially/fully 2378.79 KLD  screen - Collo ank - Sedicell r storage tank e, pulper and o ary treatment f  ints Y	the unit for uantity for y treated with 1-2 9 ction tank - Tube set - utilized ther utilities followed by electromagnstalled at 'es, logbook	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize feed to sedicell		
11.	a. ETP consists of     b. Installed capacity     c. Metering at ETP     d. Operational status     e. OCEMS at ETP	Inlet - Bar : Equalization t Treated wate paper machin Sedicell, Prim 4200 KLD ETP inlet Recycling poir ETP outlet Operational Flow at inlet:	generation q partially/fully 2378.79 KLD  screen - Collo ank - Sedicell r storage tank e, pulper and o ary treatment f  ints Y	the unit from the unity four treated with 1-2 % ction tank - Tube set ther utilized ther utilities followed by electromagnistalled at fee, logbooks	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize feed to sedicell		
11.	a. ETP consists of     b. Installed capacity     c. Metering at ETP     d. Operational status     e. OCEMS at ETP outlet     f. Effluent	Inlet - Bar : Equalization t Treated wate paper machin Sedicell, Prim 4200 KLD ETP inlet Recycling poir ETP outlet Operational Flow at inlet:	generation q partially/fully 2378.79 KLD  screen - Colle ank - Sedicell r storage tank e, pulper and o ary treatment f  ints Y  126.6m3/hr. and we camera in	the unit from the unity four treated with 1-2 % ction tank - Tube set ther utilized ther utilities followed by electromagnistalled at fee, logbooks	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a 6 losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize feed to sedicell		
11.	b. Installed capacity     c. Metering at ETP      d. Operational status     e. OCEMS at ETP     outlet     f. Effluent     Characteristics	Inlet - Bar : Equalization t Treated wate paper machin Sedicell, Prim 4200 KLD ETP inlet Recycling poir ETP outlet Operational Flow at inlet: Flow meter ar	generation q partially/fully 2378.79 KLD  screen - Colle ank - Sedicell r storage tank e, pulper and o ary treatment f  in  126.6m3/hr. and we camera in below:	the unit from the unity four treated with 1-2 % ction tank - Tube set ther utilized ther utilities followed by electromagnistalled at fee, logbooks	rom Oct 01 to Dec 31-2023, effluer as 2411.40 KLD, and quantity of effluent recycled in plant found a losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize feed to sedicell k maintained		
11.	a. ETP consists of  b. Installed capacity c. Metering at ETP  d. Operational status e. OCEMS at ETP outlet f. Effluent Characteristics Parameter	Inlet - Bar : Equalization t Treated water paper machin Sedicell, Prim 4200 KLD ETP inlet Recycling poir ETP outlet Operational Flow at inlet: Flow meter and As mentioned	generation q partially/fully 2378.79 KLD  screen - Colle ank - Sedicell r storage tank e, pulper and o ary treatment f  ints Y  126.6m3/hr, and we camera in below:  ETP recycle	the unit from the unity four treated with 1-2 % ction tank - Tube set ther utilized ther utilities followed by electromagnistalled at fee, logbooks	rom Oct 01 to Dec 31-2023, effluer as 2411.40 KLD, and quantity of effluent recycled in plant found a losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize feed to sedicell k maintained		
11.	b. Installed capacity     c. Metering at ETP      d. Operational status     e. OCEMS at ETP     outlet     f. Effluent     Characteristics	Inlet - Bar : Equalization t Treated wate paper machin Sedicell, Prim 4200 KLD ETP inlet Recycling poir ETP outlet Operational Flow at inlet: Flow meter ar	generation q partially/fully 2378.79 KLD  screen - Colle ank - Sedicell r storage tank e, pulper and o ary treatment f  in  126.6m3/hr. and we camera in below:	the unit from the unity four treated with 1-2 % ction tank - Tube set ther utilized ther utilities followed by electromagnistalled at fee, logbooks	rom Oct 01 to Dec 31-2023, effluer and as 2411.40 KLD, and quantity of effluent recycled in plant found a losses, which justifies ZLD.  - Hill Screen 1 - Hill Screen 2 tler - Vibro 1 - Vibro 2 - Spray filter again in manufacturing process i.e. is.  Spray filter  netic flowmeter with totalize feed to sedicell k maintained		

	and the same of th	292	9563								
	The Control of the Co	62	396								
	The state of the s	2536	1236	4							
	g. ETP Sludge generation										
	Biological sludge generation (as per logbook)		cal treatme								
	Sludge Management & disposal				ized again in d by the unit.	process, as info	rmed. No				
12.	Non-paper solid was	te manage	ement (Pl	astic waste)							
	Non-paper solid waste generated (As per logbook)				d by the unit energy boile		2023), which is				
	Daily waste generation	4.85 MT/D	)								
	Specific Non-paper	Specific Non-paper About 5% of paper product, hence OK solid waste									
13.	Air Pollution manag	ement									
	a. Boiler capacity	turbine. Unit also operation operation	22 TPH waste to energy boiler (multi fuel based) with 3 MW capacit								
	b. Stack details		ght -30 m								
	c. APCD installed	Bag filter	30 111								
	d. Fuel used		in DDE/	Disetie waete	/Wood chips	/Disc hunt					
	The Part of the Pa						24-05				
	e. Fuel consumption	100 TO 10	e details o	r ruei consur	nption of last	three months	provided by				
	(as per logbook)		the unit:								
		Month	Bagasse (MT)	(MT)	Plastic Waste (MT)	Segregated Combustible Fraction (RDF) (MT)	Total				
		Oct-23	298.15	0	4417.57	351.8	5067.52				
		Nov-23	332.85	0	3708.11	583.035	4624.0				
		Dec-12	0	77.50	4883.40	1005.24	5966.15				
		Total	631.01	77.50	13009.08	1940.07	15657.67				
	f. Daily fuel consumption	75007107									
	g. Daily ash disposal	11.67 MT/day As per fly ash disposal details provided by the unit, it has disposed tot 1050 MT of fly ash in last three months i.e., 350 MT in Oct-2023, 300 in Nov-2023and 400 MT in Dec-2023.									
	h. Estimated ash	11.36 MT/		115-101-101-101-1	AND THE RESERVE						
	generation w.r.t % of fuel consumed			% of ash generation	Ash gener	ration					
	The state of the s	Bagasse		2.5 %	15.77						
		Firewood		9 %	6.97						
		WHITE SECTION SECTION SEC		5%	650.45						
		Plastic waste RDF		18 %	349.21						
		Total		10 10	1022.40	-					
	i. Disposal of ash generated	For dispo with Sh. disposing	For disposal of fly ash generating from boller, unit has done agreement with Sh. Ashaab S/o Sh. Abdul Gafoor, Bilaspur, Muzaffarnagar, who disposing off the fly ash at an open land located near cement warehout								
		Jansath n	20,710,000		- I - I - I - I - I - I - I - I - I - I	THE PERSON NAMED IN COLUMN					
14.	j. Stack monitoring	Particulat	e Matter-	26.2 mg/Nm	3(against 80	mg/Nm <sup>3</sup> )					

	report				-												
15.	Hazardou	s wa	ste ma	nagem	ent												
	and Ot 2016 fi					lid Authorization dated 30.08.2022 under the provisions of Hazardous d Other Wastes (Management and Transboundary Movement) Rules, 16 from UPPCB(valid from 30.08.2022 to 29.08.2027).(Authorization											
	Copy of agreement For with recyclers /TSDF Com (CHV Bular			For di Comm (CHW) Bulance Unit h	sposa on H (SDF) (shaha	l of azard i.e., ar, UP	hazar ous M/s s whic	rdous Waste Sheet h is v	e Tre ala W alid u	atme aste pto 2	ent, Ma 26.0	Stor anage 08.20	rage men 27.	and t Proj	Dispo ect, S	sal ikand	Facili Iraba
	Hazardous generated		waste	As per	subm	itted No.	COPY	of las	t four provi to TS	Forr ding	m-1	0:	cess		Used	empl	у
					-	1	-	21.1	2.202	2	+	1	07		_ (	kg)	
						2			5.202		+	_	12	-	_	-	
					165	3		26.0	B.202	3	T					70	
						4		29.1	1.202	3			-		- 6	50	
6.	Ground w	ater	Analy	sis Rei	port (	Bore	well	withi	n the	nre	mi	ses n	ear	FTP)			
	Paramete rs	рн	Colour (Hazen	Condu c- tivity (µ\$/c	TDS	To	tal ness	Ca <sup>2+</sup>	Mg <sup>2+</sup>					5042-	NO <sub>2</sub> -	NO <sub>3</sub> -	P
	Values (mg/l)	8.0	BDL	m) 685	408	32	2	89	24	30	06	53	BD L	59	BDL	BDL	BD L
	Permissibl e limit	6.5- 8.5	15		2000	60	00	200	100	+	+	1000	1.5	400			-
		Tot	-		/1	_			-	_		1					
	Paramet ers	al Alk alir ity	CO	As	Cd	Co	Cr	Cu	Fe	Mr	6	NI	Pb	Sb	Se	٧	Zn
	Values (mg/l)	23		BD	BDL	BD	BD	BD	0.	9.		BD L	BD L	BDL	BD L	BD	0.0
	Permissi	60	-	0.0	0.0	-	-	0.0	-	-		0.0	0.0	2	0.0	L	5
17.	ble limit 0 1 03 - 5 2 1 1 5  Major observation & Key issues  a. At the time of inspection, the plant was under shut down due to maintenance and ET was found operational.  b. Treated effluent was found feeding again at ETP inlet, as the plant was under shut down.  c. As informed, fresh water from borewell-1, is utilized for production process and fres water from borewell-2, is utilized for steam generation in boiler after treatment throug RO. RO reject is recycling in process, as informed. Flowmeter is installed at RO permeat line and not installed at reject line.  d. The unit has one multi fuel (RDF/Plastic waste/Wood chips/Rice husk) fired boiler of 2 TPH capacity and 3 MW capacity turbine (waste to energy captive power plant) for in house use. Bag filter is installed as Air Pollution Control Device (APCD) at Boiler. During inspection boiler was found in operation. At the time of inspection, the boiler was operating at 16 TPH capacity.  e. The unit has obtained registration certificate for Recycling/Processing of Plastic Waste (Under Rule-13(3)) of the Plastic Waste Management Rules, 2016, as amended) for																

generated of 0.4 TPA. The certificate is valid upto 31.01.2024.

f. The unit is receiving plastic waste from other @ 27 paper mills, which is to be fed to 22 TPH boiler for power generation. As per the details provided by the unit, the unit has received plastic waste of 2973.006 MT in October-2023, 3224.179 MT in November-2023 and 5484.094 MT in December-2023 from these paper mills, making total of 11681.279 MT.

g. Unit is achieving ZLD by recycling the treated effluent in the process.

Key Issue

a. Unit is not maintaining the record of fly ash generation, on daily basis.

Compliance Status
Unit is complying w.r.t. consented condition of ZLD

Recommendations:

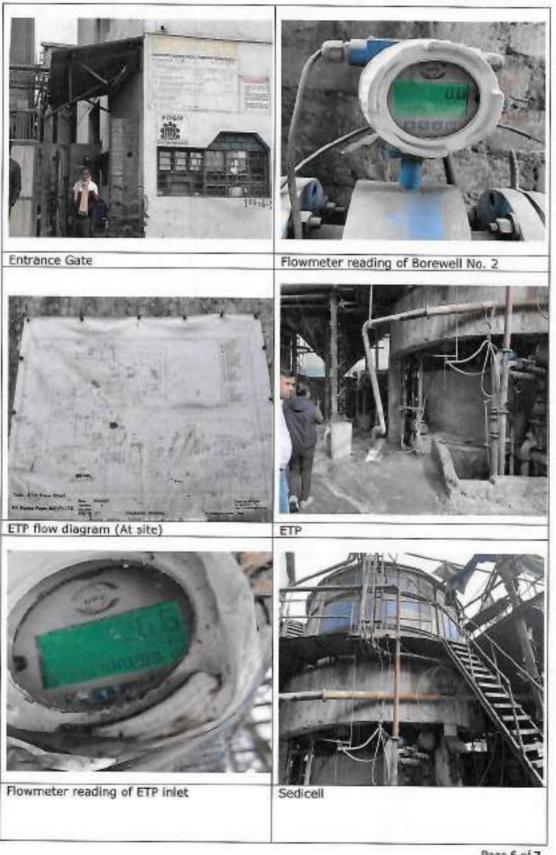
18.

19.

Inspection team details: Sr. MoEF&CC/ Designation Organisation Signature with date No. **CPCB** officials Sc. 'E' 1. Dr. Satya MoEF&CC 2. Dr. R.K. Singh Scientist D CPCB, Delhi 3. Sh. Imran Ali AEE **UPPCB** Sh. Ashish Hydrologist UPGWD 4. Kumar Cyntronge. RA-II 5. Ms. Shivangi CPCB, Delhi Goswami Mr. Ankit SRF 6. CPCB, Delhi Shukla Mr. Maneesh JRF **UPPCB** Yadav

1 Unit shall maintain record of fly ash generation, on daily basis.

### Photographs



Page 6 of 7





Boiler feed plastic waste compressor

Boiler area





### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibbuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828.2720831, Fax:0522-2720764. Emril: influs/uppels in, Wabsite: www.uppels.com

/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAGAR/20 23

Date: 24/02/2023

To.

M/sK K DUPLEX AND PAPER MILLS PVT LTD

1648, 1888, 1889, 1890, 8.5 KM Jasath Road, Muzaffarnagar, MUZAFFARNAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

Application no. 19563872

Date :- 2023-01-27

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s K K DUPLEX AND PAPER MILLS PVT LTD located at 1048, 1088, 1089, 1090, 8.5 KM Jusath Road, Muzaffarnagar ,MUZAFFARNAGAR,251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit	Declared by the unit						
	Raw meterial (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month						
1	WASTE PAPER, ROSIN, ALUM ETC,- 240 MT/DAY	KRAFT PAPER/DUPLEX BOARD- 200 MT/DAY, 22 TPH MULTI FUEL BOILER and WASTE TO ENERGY CAPTIVE POWER PLANT - 3 MW	KRAFT PAPER DUPLISX BOARD- 200 MT/DAY, 22 TPH MULTI FUEL BOILER and WASTE TO ENERGY CAPTIVE POWER PLANT 3 MW					

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the	Permitted by the	
		Numbers	Usage / Process operation	Board

1	Pulper	3	3	3
2	Hill screen	2	2	2
3	DAF Fibre recovery system	1	1	1
4	Paper machine	1	1	1

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

### A. Fresh water consumption

- Categorization of existing groundwater area: Safe/ Semi critical /Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2027-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.

7. This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river
1	Daily quantity of water to be abstracted	435	436

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed	
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced	
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper	

- Unit shall install separate scaled, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines-process, domestic and boiler.
- 10. The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/l paper) duly signed daily by authorized signatory/competent authority.

- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
1	Maximum daily discharge of trade effluent	0	0

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	< 9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to eater the losses in water accrued during process.
- v Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 – 8.5	6.5 – 8.5	6,5 - 8,5	No discharge is allowed
TSS, mg/l	<-30	<30	<30	No discharge is allowed

BOD, mg/l	< 20	< 20	< 20	No discharge is allowed
COD, mg/	<- 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<- 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<-8		+	No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan prepared by any government technical institute of repute. During no demand period for irrigation, the treated effluent to be stored in a seepage proof fined pond (Lagoon) having 15 days holding capacity only.
- 7. Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- 8. The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- 11. Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and 12 provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will easure the continuous and uninterrupted data supply from the OCEMS to the CPCB and 13. SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- The unit shall install Chemical Recovery System for management of black liquor. Appropriate black 31 liquor spillage system should be available to prevent its escape along with other cilluent streams.
- The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor (0) processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- (3) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- 15. The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- 17. The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 10 The unit shall prepare material balance and water balance report annually.
- 20. The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to

TRIPATHI

Domestic effluent/Sewage treatment and discharge: -

Digitally signed by ABHISHEK TRIPATHI

Date: 2023:03:06 11:96:04

+05'30'

 This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

	Declared by the unit	Permitted
Maximum daily discharge of sewage	6	6
Treatment facility	Septic Tank	Septic Tank
Discharge point	SEPTIC TANK	SEPTIC TANK

\* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

The domestic effluent should be treated in the sewage treatment plant so that it should be in

conformity with the prescribed norms:

S.No	Parameter	Standard
1	pli	AS PER E(P) RULES, 1986
2	Biological Oxygen Demand (BOD) (mg/l)	AS PER E(P) RULES, 1986
3	Total Suspended Solids (TSS) (mg/l)	AS PER E(P) RULES, 1986
4	Nitrogen-Total (mg/l)	AS PER E(P) RULES, 1986
5	Phosphate-Total (mg/l)	AS PER E(P) RULES, 1986
6	Chemical Oxygen Demand (BOD) (mg/l)	AS PER E(P) RULES, 1986
7	Faecal Coliform (MPN/100mL)	AS PER E(P) RULES, 1986

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD.
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- Oxygen Delignification & Delignific
- d. Use of jet acrators for improved biodegradation in acration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- Sludge Drying Bods to be discontinued. Only sludge dewatering system, centrifuge etc.

- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity

to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	Equipment in use standby	BIOMASS FOR 10 TPH Boiler with DUST COLLECTOR, WET SCRUBBLER	30	as per EPA Rules	ns per EPA Rules
2	Equipment in use standby	RDF/PLASTIC WASTE/MSW/N RSW-300 MT/DAY FOR 22 TPH MULTI FUEL BOILER with BAG FILTER with SELECTIVE NONCATALYTI C REDUCTION TECHNOLOGY (SNCR)	30	as per EPA Rules	as per EPA Rules
3	Equipment in use standby	PNG/DIESEL FOR 1 X 250 KVA DG SETS	4	as per EPA Rules	as per EPA Rules
4	Equipment in use standby	PNG/DIESEL FOR 1 X 750 KVA DG SET	6	as per EPA Rules	as per EPA Rules

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit < operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after cosuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zonds (Industrial and Commercial) which are as follows: -

Standards for Noise	level in db.(A) Leq
Industrial Area	Commercial Area

Day	Night	Day:	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m., General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.
- 13. If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.

ABHISHEK TRIPATHI Date: 2023.03.06 11.56.30 +05.30

- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MolEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tail trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

### Specific Conditions:-

- This CTO is valid only for the production capacity of KRAFT PAPER/DUPLEX BOARD- 200 MT/DAY BY USING WASTE PAPER, ROSIN, ALUM ETC- 240 MT/DAY as raw material and 22 TPH MULTI FUEL BOILER, WASTE TO ENERGY CAPTIVE POWER PLANT - 3 MW at site 1048, 1088, 1089, 1090, 8.5 KM JNSATH ROAD, MUZAFFARNAGAR.
- The Earlier Board has issued a CTO vide Ref No. 35343/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/water/MUZAFFARNAGAR/2018, Dated : 28/11/2018 and Ref No. 35357/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNA GAR/2018, Dated : 28/11/2018 is revoked.
- The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- This consent is valid only for Zero Liquid Discharge (ZLD). No effluent is allowed to discharge outside the factory premises.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 6. Unit must submit proof of Bank Guarantee submission in the Board with respect to CTE issued by the Board on dated-07.02.2022, if not then submit Bank Guarantee in the Board within a month failing which consent shall be deemed automatically cancelled.
- 7. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate thee Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge

standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules. 1986 is allowed to discharge.

- 9. The unit will not use agro based raw materials in the production process.
- 10. The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 12. Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 13. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 14. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 15. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 16. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 17. The industry shall operate 10 TPH Boiler with DUST COLLECTOR, WET SCRUBBER and 30 meter stack height from ground level, New 22 TPH MULTI FUEL BOILER with BAG FILTER with SELECTIVE NONCATALYTIC REDUCTION TECHNOLOGY (SNCR) and 30 meter stack height from ground level. Fuel for New Multi Fuel Boiler is RDF/PLASTIC WASTE/MSW/NRSW- 300 MT/DAY and for old Boiler unit must use Biomass as a fuel. Unit also operate 1 X 250 KVA and 1 X 750 KVA DG sets with stack heights as per norms. Fuel for DG Sets is LSHS/Diesel Only approved fuel sis permitted as per CAQM direction. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 18. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQMatpoint no. 65.
- 19 Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 20. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 21. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 23. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 24. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.

- 25 The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 26. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended. Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 27. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 28. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 29. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 30 The industry shall obtain prior consents in the event of any addition of new emission generation sources such as Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 31. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P. Rules 1986.
- 32. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 34 Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board for expanded Hazardous Waste Material within a month.
- 35. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 36. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 37 Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 38. Industry shall comply with various Waste Management Rules as notified by MoFF&CC i.e. Phistic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and

Control) Rute, 2000.

- 39. The unit shall submit the audited balance sheet for the current year.
- 40. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 41. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

ABHISHEK TRIPATHI Digitally agned by ASHISHEK TRIPATHI Digitally agned by ASHISHEK TRIPATHI Digitally agned by ASHISHEK TRIPATHI

Chief Environmental Officer (Circle 3)

Copy to:

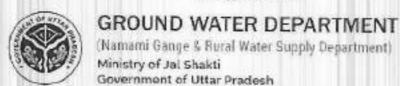
Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

ABHISHEK TRIPATHI Oligitally signed by ABHISHEK TRIPATHI-Date: 2023.03.06 11.57:16 + 05/30\*

Chief Environmental Officer (Circle 3)

3/10/2821

NGC Application Form



Form 8 (C)

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]
AUTHORIZATION/ NO-OBJECTION CERTIFICAT NO:

VALID UP TO: 13/03/2026

Name of the Applicant	SUNEEL AGGARWAL	1911	
Address of the Applicant	12, Near Bhawana Palace, Green Avenue, Adarsh Colony, Muzaffamagar		
Company Name:	K.K.DUPLEX AND PAPER MILLS PVT.LTD.	Company Address	1.5km Mile Stone, Jansath Road
Serial No. of Application Form	MZFN0221NCO0003	Date of Submission	28/02/2021
Specimen Signature of the User:			
Location particulars:			
District	Muzaffar Nagar	Block	MUZAFFARNAGA
Plot No.	1 5km Mile Stone, Jansach Road		
Municipality/Corporation	MUZAFFAR NAGAR	Ward No.	26
Holding No.			26
Rete of Withdrawai (m3/hr.)	20.00	Date of Energization (In Case of Electric Pump)	07/03/1995
Particulars of the Proposed	Well and Pumping Device:		
Type of the Well	Tube Well/Boring	Purpose of the Well	Commercial
Assembly Size (For Tube Well)	0.00	Approx. Strainer Length (For Tube Well)	0.00
Diameter (For Dug Well)	0.00	Type of Pump to be Used:	Submersible
I.P. of the Pump:	7.50	Operational Device	Electric Motor
faximum Allowable Rate of Vithdrawai (m3/hr.):	20.00	Maximum Allowable Running Hours Per Day:	10 00
Maximum Allowable Annual Extr	action of Ground Water:		72000

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3), for Running Hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

Place:

3/18/2021 Date:

NOC Application Form

Yours Faithfully, Signature of the Issuing Authority and Designation

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/ IS standards) rewing telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of
  pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the centrary is proved.
   The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water motors.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to qualify hazards or any other resistants if this situation so demands.
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at \$1. (2) and (3) of this certificate
  shall be made without prior pumpission of the Computent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a paried of five years from the date of issue. The applicant shall have to apply for renewall through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of
  prezometer should be commonsurate with that of the pumping well, The data, obtained from digital water level recorders shall be made available to
  this office on monthly basis.
- Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a berewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping woll through which ground water is being withdown. The diameter of the piezometer should be about 4" to 6".
- The dopth of the piezometer should be same as is case of the pumping wall from which ground water is being abstracted. If, more than
  one piezometers are installed the second prezometer should monitor the shallow ground water regime. If will facilitate shallow as well as
  deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

5.No Qu 1 2 3	Quantum of Ground water withdrawal (cum/day)	No of plezometers required	Monitining Mechanism			
		And a second and a required	Manuel	DWLR with Telemetry		
1	< 10	0	0	0		
2	11:-50	3	. 1	0		
3	50-500	3	D	1:		
4	> 500	2	0	2		

- The measuring frequency should be monthly and accuracy of measurement should be up to circ, the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with followeby system should be used for occursely.
- The measurement of waster level in pleasanater should be taken, only after the pumping from the surrounding tube walls has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Montoning System for Ground Water Department, Ultrar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be get analyzed from NABL approved lab. Besides, one sample (1 it capacity bettle) to the concerned Director.
  Ground Water Department, Ulter Pradosh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.

3/16/2021 NOC Application Form

- Any other site specific requirement regarding safety and access for measurement may be taken care off.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the pertouters i information furnished by the applicant in his application for assumed of this permit is found to be incorrect during vonfication at any subacquent stage, this permit is liable for cancellation.
- . Any other condition imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### · SPECIFIC CONDITIONS-

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- I) No Objection: Continuate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (Cit)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity/Council (NPC) certified auditors are submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at loast 20% over the next three years through appropriate means.
- iv) Construction of observation wolf(s) (prezometer)(s) within the premises and installation of appropriate water level monitoring incoherism its mentioned in General Condition no. 10 shall be manufactory for industries chawing proposing to draw more than 10 m3
- Aday of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a renimum distance of 15 in from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well? wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt not top rain water harvesting! recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/insecticides, fertilizers, slaughter house, explosives, etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/ Petrochemical, Coal washenes
  other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water
  pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions
- i) In case of infrastructure projects that require deviationing, proponent shall be required to carry our regular monitoring of deviationing discharge rate (using a digital water flow major) and submit the data poline to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proposent for two years, for inspection or reporting as required by District Ground Water Management Council
- II) Installation of Sewage Treatment Plants (STP) shall be mendatory for new projects, where ground water requirement is more than 20 mG reay.
   The water from STP shall be utilized for toilet flushing, car washing, gardening ele-

This NOC is not authorized by any Official. This should only be used for Preview purpose. वह अनापत्ति प्रमाणपंत्र किसी प्राविकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वविस्तानन के उद्देश्य से प्रयोग किया जाना चानिए। NCC Application Form



### **GROUND WATER DEPARTMENT**

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

#### Form 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.] AUTHORIZATION/ NO-OBJECTION CERTIFICAT NO: VALID UP TO: 13/03/2026

Name of the Applicant	SUNEEL AGGARWAL	This	
Address of the Applicant	12. Near Bhawana Palaca, Green Avenue, Adarsh Colony, Muzaffamagar		
Company Name:	K.K.DUPLEX AND PAPER MILLS PVT.LTD.	Company Address	1 5km Mile Stone, Jansath Road, MUZAFFARNAGAR
Serial No. of Application Form	MZFN0321NIN0028	Date of Submission	07/03/2021
Specimen Signature of the Us	er:	282	
Location particulars:			
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No.	1.5km Mile Stone, Jansath Road		
Municipality/Corporation	MUZAFFAR NAGAR	Ward No.	26
folding No.			26
Rate of Withdrawal (m3/hr.)	40.00	Date of Energization (In Case of Electric Pump)	07/03/1995
Particulars of the Propos	ed Well and Pumping Device:		
yps of the Well	Tube Well/Boring	Purpose of the Well	Industrial
Assembly Size (Far Tube Vell)	0.00	Approx. Strainer Length (For Tube Well)	0.00
Diameter (For Dug Well)	0.00	Type of Pump to be Used:	Submersible
LP, of the Pump:	15.00	Operational Device	Electric Motor
laximum Allowable Rate of //thdrawal (m3/hr.);	40.00	Maximum Allowable Running Hours Per Day:	5.00
faximum Allowable Annual E	xtraction of Ground Water:		72000

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at St. [3]), for Running Hours I day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at SI (3k) and is valid subject to the observance of the conditions stated overleaf.

3/16/2021 Date:

NOC Application Form

Yours Faithfully, Signature of the Issuing Authority and Designation

#### GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained,
- No change of location, design, rate of windrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization.
- For the purpose of measuring and According the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of
  pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is prevent.
  The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of focation, design, rate of withdrawal and pumping device in respect of the existing wall as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviction in this regard shall lead to cancellation of this registration.
- In case, any of the particulars l'information fumished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage; this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least hinety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tabled of pezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this observe monthly basis.
- · Guidelines for Installation of Piazometers and their Monitoring

Plezometer is a borowell /tubewell used only for messuring the water level by lowering the tape/ sounder or automatic water level messuring equipment. It is also used to take water sample for water quality testing when ever needed. Ceneral guidelines for installation of piezometers are selfollows:

- The prozonteler is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withouthern. The diameter of the plazometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abetracted. If, more than
  one piezometers are installed the second piezometer should monitor the shallow ground water regime. If will facilitate shallow as well as
  deeper ground water aquifor monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

5.No 0	Quentum of Ground water withdrawal (cum/day)	No.of plezometers required	Mondaring Mochanism			
	"	recor productional required	Marsual	DWLR with Tolomatry		
1	<10	D-	0	0		
2	11 - 60	1	1	0		
3	50-500	1.	0	-1		
A	> 500	2	0	2		

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in motor upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR) Digital Automatic water level recorder (OWLR) with followers should be used for accuracy.
- The massurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the pleziometer into the Hydrograph Monitoring System for Ground Water Department, Urtar Pradosh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (MayJuna) and post-monsoon (October/November)
  periods. Quality may be get sinally-sed from NASL approved tale. Besides, one sample (1 if capacity bottle) to the concerned Director,
  Ground Water Department. Litter Pradestr. for chemical analysis.
- A Permanent display board should be installed at piezemeter/Tube wells site for providing the location, plezometer/ tube well number, depth and zone tapped of piezemeter/tube well for standard referencing and identification.

3/16/2021

NOC Application Form

- Any other site specific requirement regarding safety and access for measurement may be taken care off
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars i information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- Any other condition imposed by the concerned Authority.
- In case, any of the particulars t information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Conflicate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- III) All industries abstracting ground water in excess of 100 m3/d shall be required to undertake annual water audit through Confederation of Indian Industries (CIII) Federation Indian Chamber of Commerce and Industry (FICCI). National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at loss! 20% over the next three years through appropriate means.
- iv) Construction of observation wolf(s) (prozometer \( \xi \xi \)) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Concition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3
- Iday of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed
  at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of
  the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The preparent shall be required to adopt roof top rain water harvesting/ recharge in the project promises, shall store which are likely to pollute
  ground water (chemical, pharmaceutical, dyes, pigments, points, textiles, tannery, pesticides/ insecticides, fertilizers, strughter house, explainted
  utc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/untreated waste water into aquifer system is strictly prohibited.
- viii Industries which are likely to cause ground water pollution e.g. Tanning, Saughter Houses, Oye, Chemical/ Petrochemical, Coal washenes, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- ii) In case of infrastructure projects that require dewatering, preponent shall be required to earry out regular menitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the preparient for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m3 /eay.
   The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावलोकन के उद्देश्य से प्रयोग किया आना चाहिए।



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppeb.com Website; www.uppeb.com

Ref. No: 17460/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated :30/08/2022

To.

M/s K K DUPLEX AND PAPER MILLS PVT LTD

Khasra No. - 1048, 1088, 1089 And 1090, 8.5 Km, Jansath Road, Muzaffarnagar

(U.P.), MUZAFFAR NAGAR, 251001

Tehsil : Jansath

District : MUZAFFARNAGAR

Sub:- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 17460 and 30/08/2022.
- Reference of application (No. and date) 16575422 and 23/07/2022.
- Mr SUNEEL AGGARWAL of M/s K K DUPLEX AND PAPER MILLS PVT LTD is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at Khasra No. - 1048, 1088, 1089 And 1090, 8.5 Km.

#### Details of Authorisation

		Details of Fraction Satton	metro i sacron				
S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)				
1	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGH TSDF	0.20 MT/Annum				
2	CATEGORY 33.1 AS PER SCHEDULE I (Empty Barrels/Containers/Liners Contaminated With Hazardous Chemicals/Wastes)	THROUGH TSDF	1.0 MT/Annum				
3	CATEGORY 33.2 AS PER SCHEDULE 1 (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSOF	0.06 MT/Annum				
4	CATEGORY 34.2 AS PER SCHEDULE I (Sludge From Treatment Of Waste Water Arising Out Of Cleaning / Disposal Of Barrels / Containers)	THROUGH TSDF	20 MT/Annum				

- The authorization shall be valid for a period of 29/08/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

RAKESH KUMAR TYAGI KUMAR TYAGI

KUMARTYAGI Date: 2022/09/15 13:25:04 + 05:30\*

#### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.

BAKESH KUMAR TYAGI KUMAR TYAGI

Direc 2022/09/15 13:25:13 +05'30

- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be

sent within fifteen days of receipt of this letter.

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022.09.15-13:25:32 +05:30"

### UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action.

RAKESH KUMAR TYAGI Digitally signed by PAKESH KUMAR TYACI Date: 2022,09,15 13:25:02 +05:32 CEO/EE, I/C Circle

#### INDUSTRY INSPECTION REPORT (PULP & PAPER)

	General	contion	
A.	General	section	

Date of inspection:03.01.2024

1.	Name of the unit withcomplete postal address:	M/s Siddheshwari Industries Pvt. Ltd., 8.6 Km, Jansath Road, Muzaffarnagar, Uttar Pradesh, Pin Code: 251001
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.418759, 77.760008
3.	Industry Operational status	Operational 24 hours (3 shifts of 8 hours each)
4.	Consent status	Air Consent dated 28.11.2019 with ref no 67023/UPPCB/MuzaffarNagar/UPPCBRO)/CTO/air/MUZAFFARNAG AR and valid upto 31.12.2024     Enclosed as Annexure-1     Water Consent dated 26.12.2019 with ref no 66970/UPPCB/MuzaffarNagar/UPPCBRO)/CTO/water/MUZAFFARN AGAR and valid upto 31.12.2024     Enclosed as Annexure-2

B. Production process and infrastructure

5.	Process	Manufacturing of Kraft paper using both recycled fiber waste paper) mixed type (imported/ indigenous) as per availability						
6.	Raw material							
	a. Consented value	Not mentioned in consent, estimated: 232 MTD						
	b. Actual consumption (as per logbook)	15774 MT (from Oct 2023 to Dec 2023)						
	c. Estimated daily consumption	171.46 MT/D						
7.	Production							
	a. Consented value	200 MTD						
	b. Actual Production	14999.80 MT						
	(as per logbook)	(from Oct 2023 to Dec 2023)						
	c. Average daily production	163,04 MTD						
	d. Yield (%)	95.08 % of raw material						
5.3	e. Estimated waste produce	4.92 % of raw material i.e. 8.42 MT/D						
8.								
	a. Details of borewell	Three borewells with sealed flow meter found installed						
	b. NOC from CGWA/other authorized body	NOC for all 03 borewells from Ground Water Department, Ministry of Jal Shakti, GoUP under Registration no. 202302000066 dated 11.04.2023, s.no 202302000067 dated 17.04.2023 and s.no 202302000068 dated 11.05.2023 and are valid upto 08.08.2025. Enclosed as Annexure-3						
	c. Permitted withdrawal quantity	1128 KLD						
	d. Actual withdrawal quantity	58980 KL (as per logbook of Oct, Nov & Dec 2023)						
	e. Avg daily withdrawal quantity	641.08 KLD						
	<ul> <li>Specific fresh water consumption</li> </ul>	3.93 KL/MT of paper						
9.	Effluent Management							
	a. Consented discharge value	900 KLD						
	b. Actual effluent generation	24830 KL as per logbook of Oct, Nov & Dec-2023						

(as per logbo										
c. Avg effluent	generation daily	269.89	269.89 KLD							
d. Specific efflue	ant generation	1,65 KL	1.65 KL/MT							
e. Actual effluer		24390 K	24390 KL as per logbook of Oct, Nov & Dec-2023							
f. Avg daily disc	charge		265.11 KLD							
g. Specific efflu		1.63 KL/	MT							
h. Actual recycli		No recyc	ling							
effluent withi	n process	20	677							
i. Losses in ETP		sludge	against typica	al 2-3 % in form o	f moisture in generate					
0. Effluent treats	nent plant (ETF	?)								
a. ETP consists	of	Tube set	en → Oil skim tier → Anaer → Filtration u	obic tank Aerat	tank → Hill screen → ion tank → Secondary					
b. Installed cap	pacity	3000 KL	D							
c. Metering at	ETP	ETP inlet		Only V-notel	h provided					
		Recyclin	a points	No recycling						
		ETP outl			and sensor based					
d. Operational	status	Operatio	nal	The state of the s						
1				r. (As per water k	wel at Vanotch)					
				ion tank:2197/58						
e. OCEMS at E	IP outlet									
	f. Effluent Characteristics			OCEMS was found installed at outlet of Unit,						
Davamakar	I cro into	Annable	EFF. 11	1.50	13					
Parameter	ETP inlet	Anaerobic tank outlet	ETP outlet	Norms as per consent (E.P. Rules)	Compliance w.r.t consent					
pH	6.5	6.5	7.7	7.0 - 8.5	Compliance					
BOD (mg/l)	1875	2160	46	30	Non-Compliance					
COD (mg/l)	3439	3797	149	350	Compliance					
TSS (mg/l)	238	306	29	50	Compliance					
TDS (mg/l)	6344	5136	712	-	- Compiler ice					
SAR	3	NA	NA							
AOX			BDL		Compliance					
Oil & Grease			BDL	10	Compliance					
	MLVSS: 2197		000	40	Compliance					
As per consent,	unit has to comp ed under E(P) Ru	nly with disch les have bee	arge norms a n considered.	s per Board norm	s. So, discharge					
Biological sludge (as per logbook		Logbook	Logbook not provided.							
% of inlet TSS I		30 19.27 kg	19.27 kg/day							
Sludge Manager	ment & disposal	As per generate	No record.  As per information provided by unit, unit uses all sludge generated within process. During visit, no sludge was observed inside premises.  Record of sludge disposal is not indicated in Form-10 & Form-4. Indicates poor record keeping of ETP sludge.							
Remark		Record o								
Non-paper sol	id waste manag	gement (Pla	stic waste)	to Neeping Or CTP	siduge.					
Non-paper solid (As per logbook	waste generated )	per reco 383,745	rd available of MT of plastic	with M/s K.K. Du waste to M/s K.K	Dec-2023), however, a plex, unit has supplie . Duplex (authorized b					
			UPPCB) for final disposal during Nov & Dec 2023. 1,655MTD (as per logbook provided by unit)							
Avg daily plastic	: waste generatio		D (as per logi D (as per data	book provided by a provided by M/s	unit) K.K. Dupley)					

	generation Potential generation	solid	wa	ste 6	3.91% of Kraft paper (as per M/s K.K. Duplex) 6.40 MT/day The actual value as per logbooks provided by units i.e. 1.655 MT/day is much lower than estimated value, which indicates that unit is not maintaining the logbook properly.							
2	Air Pollution m	anage	ment		THE STATE	is the mone	conting the te	geoon p	roperty			
ł	a. Boiler capacity		- 11	8 TPH								
1	b. Stack details				ight -42 m							
I	c. APCD installed		E		atic Precipita	ator (ESP)						
	<ul> <li>d. Estimated ste</li> <li>@ 1.8 T/T of p</li> </ul>				MY ILWY		293.47 TPD					
	e. Fuel used			H a	lowever, vailabilitised.	ty. During	also use rice visit, only c	oal and	bagass	e wer	re being	
	f. Fuel consum logbook)	ption	(as	per 1	26.90 M	ITD (averag	e as per data	of Oct,	Nov 8. I	Dec 20	023)	
	g. Estimated bagasse consumption @ 3 T steam/ T of fuel				93.47 T	PD steam/3	T =97.82 T	fuel				
1	h. Daily fuel cons			25.90								
1	i. Daily ash gene					not mainta						
l	<li>j. Estimated as 2.5 % of ba coal</li>				As per lo		t, Nov & Dec umption	% of fuel	Ash g	genera	tion	
1				- 11	Coal	6937	.324	30%	2081			
ı				11	Baggase	4737	.85	2.5%	118.4			
ı					Total		5.174	-	2199		- 3	
				1		-	.90 MT/day		-	90 MT	/day	
	k. Ash generation consumed (%	k. Ash generation w.r.t of fuel										
	I. Disposal of as		rated		Disposal in low lying area within premises (logbook not maintained)							
	m. Remark			- 1	Unit has maintained a garden within premises, leveled with disposed ash. (Fig 11)     Dumping of legacy waste							
3	Hazardous was	te ma	nagem	ent								
ł	Authorization sta	A		17	All auton	****	4 4 5 - 5					
	Authorization sta	itus		1 4	Authorisation granted under Ref No 18265/UPPCB/MuzefforNagar(UPPCBRO)/HWM/MUZAFFARNAG AR/2022 dated 22.09.2022 with validity upto21.09.2027 Enclosed as Annexure-4							
	Copy of agreeme /TSDF	ent wit	h recyc		Available with Bharat Oil & Waste Management Ltd. Kanpur  Waste grease-725Kg, Waste/Oily cloths-560 Kg (as per annual Form-10 dated 24.09.2022, 31.12.2022, 27.03.2023 and 05.10.2023)							
	Hazardous waste	gener	ated	F								
4.	Ground water an		sis res	ults								
	Parameters	Colo	COD	TDS	Total Hardnes	Total Alkalinit	CI-	50 <sub>4</sub>	P	NO <sub>3</sub>		
	Acceptable limit as per BIS IS 10500:201	6.5 - 8.5	05		500	200	200	250	200	01	45	

Results	7.8	BDL	BDL	328	336	234	26	36	BDL	0.69
Parameters	As	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Sb
Acceptable limit as per BIS IS 10500:201 2	0.0	0.00		0.05	0.05	0.3	0.1	0.0	0.01	1.6
Results	.01	BDL	BDL	BDL	BDL	0,23	0.16	BDL	BDL	BDL
Parameters	Se	V	Zn	-				200	1002	200
Acceptable limit as per BIS IS 10500:201 2	0.0	*	05							
Results	BD L	BDL	0.01							

\*All parameters are in mg/l except pH & Color (Hazen).

15	Recip	ient.	drain	samul	le ana	dvsis

	рH	Color	BOD (mg/l)	(mg/l)	TSS (mg/l)	TDS (mg/l)	Phosp hate (mg/l)	Sulpha te (mg/l)	Nitrate (mg/l)
Dhandera drain U/S unit	6.75	Turbid	32	87	154	1083	1.20	36	2.64
Dhandera drain D/S unit	6.86	Turbid	46	121	162	990	1.42	46	2.88

#### 16 Major observation & Key issues

- Unit has valid consent to operate under Water & Air Act, Hazardous waste authorization from UPPCB & NOC for groundwater withdrawal from UPGWD.
- Unit produces kraft paper (consented 200 MTD; current production 163.04 MTD; yield-95.08%), shows very less non-solid waste generation (4.92%).
- Unit consumes freshwater @3.93 KL/MT of paper and discharges treated effluent @1.63 KL/MT.
- c. Unit has turbine of 2.25 MW capacity.
- d. Unit has agreement with Bharat Oil & Waste Management Ltd. Kanpur for hazardous waste generated from process.
- Unit has installed an OCEMS at ETP outlet and has connectivity with CPCB and UPPCB server.
- Unit provides plastic waste for disposal to M/s K.K. Duplex, Muzaffarnagar (authorized plastic processor by UPPCB)
- g. Estimated ash (23,90 MT/day) generated from the unit is being utilized in low lying area within premises.
- h. Approx 19.27 kg/day sludge is generated in unit, which is used within process.
- Stack monitoring results indicate Particulate matter value 39.2 mg/Nm<sup>3</sup> which is within prescribed standards of 80 mg/Nm<sup>3</sup>.
- Effluent discharge analysis results indicate non-compliance w.r.t BOD (46 mg/l against the norm of 30 mg/l).
- k. Recipient drain sample analysis indicates industrial contamination.

#### Key issues

- a. As per record given by unit, it produces 1.655 MT/day plastic waste and provides to M/s K.K. Duplex for final disposal, which is much lesser than estimated value of 5.70 MT/day. However, there is no record maintained for period before November, 2023.
- Record for ETP sludge and boiler ash is not maintained properly.
- There is no electromagnetic flowmeter with totalizer at ETP inlet, only V-notch installed, which is not very reliable.

### 17 Compliance Status

As per Discharge norms: Non-complying

#### 18 Recommendations:

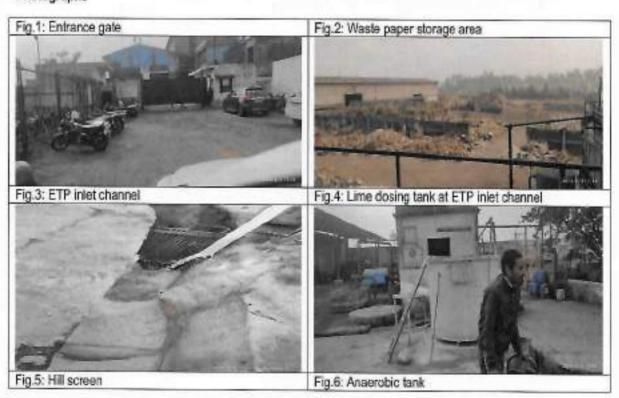
- 1. The unit shall improve operation & maintenance of ETP to meet the effluent discharge norm.
- 2. Unit shall install sealed flowmeter with totalizer at ETP inlet and outlet.
- 3. Unit shall maintain secondary sludge generation records on daily basis.

  4. The unit shall maintain the proper record of ash generation and its disposal.

  5. Disposal of fly ash and plastic waste shall be ensured through scientific manner.

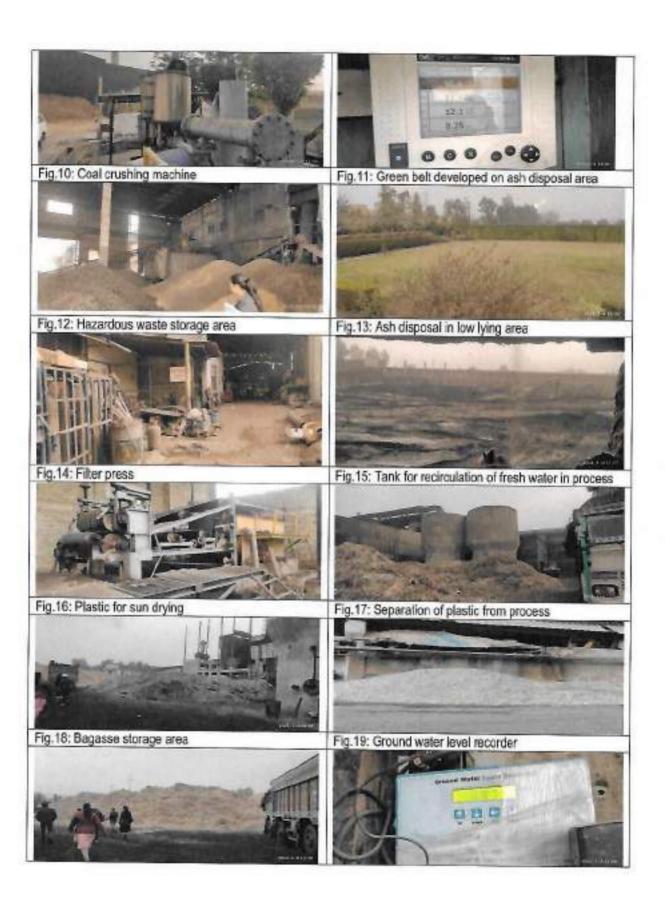
19	Inspec	tion team details:			
20.	Sr.N	Name of officials	Designation	Organisation	Signature
	1.	Dr Preeti Tripathi	Sc D	MoEF&CC .	
	2.	Er. Manu Jindal	Scientist-B	CPCB, Delhi	Home July
3	3.	Ms. Garima Dublish	RA-III	CPCB, Delhi	Com
- 5	4,	Mr. Ashwani K. Singh	RA-II	CPCB, Delhi	Asam
	5.	Mr N.M. Tripathi	ASO	UPPCB	Musc.
	6.	Mr. Yashpal Rawat	FA	UPPCB, SRE	7. singh
21					

### **Photographs**





Page 6 of 8





#### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Famil: info@appeb.in, Website: www.appeb.com

181828/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 30/05/2023

To.

M/sSIDDHESHWARI INDUSTRIES PVT LTD

8.6 KM JANSATH ROAD, MUZAFFARNAGAR UTTAR PRADESII, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

Application no. 20581766

Date :- 2023-04-11

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s SIDDHESHWARI INDUSTRIES PVT LTD located at 8.6 KM JANSATH ROAD, MUZAFFARNAGAR UTTAR PRADESH, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2025-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit	Permitted by the Board	
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper) :	Name of Final Products & By -products with quantity per month	
1	Waste Paper- 250 MT/Day, Starch, Alum, Rosin Etc	Kraft Paper- 200 MT/Day, Turbine of 2.25 MW	Kraft Paper- 200 MT/Day, Turbine of 2.25 MW

GHAN SHYAM Digitally signed by CHAN 51 N/AM Date: 2023-06:08 12:19:47 + 05'30'

### 3. Production Process Infrastructure

S. No.	Details	Declared by the	unit	Permitted by the
		Numbers	Usage / Process operation	Board

Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery. failing to which this consent would be deemed void.

GHAN SHYAM (1970)

64 (0)

- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

#### A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical /Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2025-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piczometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted	
S.No	Source of fresh water	Borewells/river	Borewells/river	

<sup>\*</sup> In ease of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills,	<40 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler < 2.5 m3/t paper With Power Boiler < 5 m3/t paper

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all water abstraction sources, utilization lines-process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

GHAN SHYAM Digitally signed by GHAN 5HYAM Date: 2023.06.08 12:19:56 +05'30'

S.No	CCA is valid for	Declared by the unit	Permitted
1	900 KLD	900 KLD	900 KLD THROUGH ETP REUSE IN IRRIGATION/GREEN BELT/DHANDERA DRAIN

### 2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 - 8.5	6.5 - 8.5	6.5 – 8.5	No discharge is allowed
TSS, mg/l	<- 30	<30	<30	No discharge is allowed
BOD, mg/l	< 20	< 20	< 20	No discharge is allowed
COD, mg/	< 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	< 1600	< 1600	No discharge is allowed

Color, PCU	< 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<- 8			No discharge is allowed
SAR	< 10	<8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- 7. Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in EFP inlet and outlet on daily basis.
- The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	3
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SEPTIC TANK

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & De
- d. Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Shadge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills.
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	1 X 18 TPH BOILER WITH ESP	Biomass/Coal- 230 MT/Day	42 Meter Stack Height	Electro Static Precipitator	AS PER CAQM DIRECTION

2	1 X 750 KVA DG, 2 X 500 KVA DG, 1 X 250 KVA DG Sets	Diesel/PNG	AS PER E(P) RULES, 1986	ACCOUSTIC ENCLOSURE	AS PER CAOM DIRECTION
---	---	------------	----------------------------	------------------------	--------------------------

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit <operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.

#### 9. Noise Pollution Mitigation:

Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
as is required for meeting the ambient noise standards for night and day time as prescribed for
respective areas/zones (Industrial and Commercial) which are as follows:

trans a financia de la composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composici	Standards forNoise	level in db.(A) Leq	
Industrial Area		Commercial Area	
Day	Night	Day	Night
78	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- 4 In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.

- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforescen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

- This CTO is valid only for the production capacity of Kraft Paper- 200 MT/Day, Turbine Of 2.25 MW By Using Main Raw Material As Waste Paper At Site 8.6 K.M., Jansath Road, District-Muzaffarnager, U.P.
- The Earlier Board has issued a CTO vide Ref No. 66970/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/water/MUZAFFARNAGAR/2019, Dated: 26/12/2019 and Ref No. -

- 67023/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2019, Dated : 28/11/2019 is revoked
- The industry must comply the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 5. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 6. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 7. The unit will not use agre based raw materials in the production process.
- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- The Unit shall install Piczometer for measurement of ground water level and the data generated from Piczometer will be provided to the SPCB on monthly basis.
- Industry shall install/maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 11. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 12. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 14. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 15. The industry shall operate and maintain 1 X 18 TPH BOILER WITH ESP and 42 Meter Stack Height from Ground Level. Fuel to be used in the unit is Biomass/Coal- 230 MT/Day. Unit also operate and maintain 1 X 750 KVA DG, 2 X 500 KVA DG, 1 X 250 KVA DG sets with acoustic enclosure and stack height as per norms. Diesel/PNG used as a fuel in DG Sets. Only approved fuel be permitted as per CAQM direction in Boilers and DG Sets.
- 16. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 17. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022, Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM a tpoint no. 65.
- 18. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
  GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 12:20:54 +05:30

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 20. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 22. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 23. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 24. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 25. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 26. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 27. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 28. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 29. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P Rules 1986.
- 31. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board.
- 34. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 35. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 36. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 37. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.

  GHAN

  Option Superscript Grant Control (Rule, 2000)

Date: 2023.06.08 12:21:03

105'30'

38. The unit shall submit the audited balance sheet for the current year. SHYAM

- 39. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 40. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 17:21:11 + 05:30\*

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Date 2023,05.08 12:21:26 - 405:30'

Chief Environmental Officer (Circle 3)



### GROUND WATER DEPARTMENT

iNamana Gaseje & Binal Water Supply Departments Moustry of Jal Shakti Government of Uttar Pradects

#### Form 8 (E)

|See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER) AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG035888 VALID FROM 22/03/2023 TO 08/08/2025

Serial	No.:	202302000nee
	A 100 MILES	402.30 ZUUUUUE

Name of the Dwner

SHISHIR SANGAL

Address of the Applicant

8.5 KM JANSATH ROAD.

MUZAFFARNAGAR, UTTAR

PRADESH

Application No.

MZF10221P105124

Date of Submission

03/02/2023

Specimen Signature

Company Name

MILSIDDHESHWARI

INDUSTRIES PYT LTD

Company Address

B.SKM STONE JANSATH

ROAD

MUZAFFARNAGAR

Location Particulars

District

Muzaffar Nagar

Block

Municipal

Corporation/Nagar Palika Parished, Muzattar Nagar

Plot No.JKhasra No.

8.8KM STONE, JANSATH ROAD. MUZAFFARNAGAR

Municipality/Corporation

NIG

Ward No./Holding No.

N/A

Particular of the Existing Well and Pumping Device

Date of Construction/Sinking of

the Well

16/01/2002

Type of Well

Tube Well/Borns

Depth of the Well (in metar)

THO.DD

Purpose of well

Industrial

Assembly Size(For Yube Well)

Strainer Position (For Tube Well)

Type of Pump Used

Submersible

H.P. of the Fump

30.00

Operational Device

Electric Motor

Rate of Withdrawal (m3/hr.)

91.00

Date of Energization (in Case of Electric Pump)

Maximum Allowable Rate of

91.00

Maximum Allowable Running Hours

Withdrawal (m3/hr.):

Per Day:

02/02/2002

4.00

Maximum Allowable Annual Extraction of Ground Water: 134134

Recharge Required

0.00

Reason for renowal of N.O.C. एन.ओ.सी. के नदीनीकरण का कारण

TRANSFER OF CGWA TO UPGWD.

Against Case

should filming

- This No-Objection cartificate authorizes the owner applicant overt to salk a well in the location specified for extraction of ground water at a trip and a rate not exceeding that as shown at ST (3)), for Russing Hours per day and for exacensing allowable annual extraction of officing mater and is valid subject to the observance of the conditions stated overland
- Holder of this NOC is hereby directed to assure annual recharge of 0 80 cubic mater, as specified under the application form.

#### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be solaried. (Z) No change of location, design, rate of withdrawal and pumping device in respect of the proposed will as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Compotent Authority. Any deviation in this regard shall lead to conseilution of
- (3) For the purpose of measuring and recording the quartity of ground water extracted, every said user shall affix digital water flow. maters(conforming to BIS) IS standards) briving Infemetry system in the abstraction structure, which record rate and quantum of extraction, all outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the centrally is proved. The rate of extraction of ground water from the well as shown in them 3(k) shall not exceed to the
- (4) The concerned Authority reserves the right to stop extraction of ground water from the wall due to quality hazards or any other reasons.
- (5) its case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change at location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this cersificate shall be made without prior permission of the Competent Authority, Any deviation in this regard shall lead to conditiation of
- (7) is case, any of the particulors I information furnished by the applicant in his application for esquance of this registration is found to be incorrect during ventication at any subsequent stage, this registration is hable for cancellation.
- (8) The Certificate of Authorization/ NDC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal (brough a fresh application, at feast ninety days prior to expiry of its volkity.
- (9) Construction of pleasuretiers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of prezonteler should be commonsurate with that of the pumping well. The date, obtained from digital water level recorders shall be
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Prezonneter is a bargwell habe wait used only for measuring the water level by lowering the taper sounder or automatic water level measuring equipment, it is also used to take water sample for water quality testing whenever needed. General guidelines for installation of prezomaters are as follows for compliance of NOC
- . The prezometer is to be installed/constructed at the minimum of 50 m distance from the purroing well through which ground water is being withdrawn. The clameter of the plezometer should be about 4" to 6"
- The dopth of the piczumeter should be same as is case of the pumping well from which ground water is being obstracted. If more than one plezorreter are installed the second piecometer should monitor the shallow ground water regime. It will facilitate shallow as well as
- No. of plezometers to be constructed & Type of water level monitoring mechanism shall be as per below table

		a severence or country as bell	psidm rapid	
S.No	Quantum of Ground water withdrawal (cum/day)	No.of plazometers required	Mo	indiring Mechanism
-1	< 10		Manual	DMLR with Tolometry
2		0	0	0
	11 - 50	1	1.	0
	SD- 500		. 0	4
The re-	> 500	2	0	2
1100 11003	suring kequency should be monthly and accuracy at m	A A A SA	and the same	- 2

- . The measuring frequency should be monthly and accuracy of measurement should be up to ciri, the reported measurement should be
- · For measurement of water level sounder or automatic water level recorder (AVVLPt)/ Digital Automatic water level recorder (DVALR) with
- . The measurement of water level is piezometer should be taken, pray after the pumping from the surrounding tube wells has been
- · All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plazometer into the Hydrograph Monitoring System for Ground Vibler Department, Ultar Pradesh, and for its
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/Nozember) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it, corporaly bottle) to me concerned Director.
- . A Permanent display board should be installed at plazometer/Tube wells site for providing the location, prezometer/fully well number, depth and zone tapped of plezometer/tube well for standard referencing and identification.
- . Any other site-specific requirement regarding safety and access for measurement may be taken care of
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for insurance of this permit is found to be incurred during vontication at any subsequent stage, this permit is liable for cancellation, . SPECIFIC CONDITIONS:

- (A) For Industrial User: No Cojection Certificate for ground water entraction by industries shall be granted subject to the following specific confidence:
- is No Objection Certificate shall be granted only in such cases where local government water supply exercises are not ably to supply the
- At industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources. All industries observating ground water in excess of 100 m<sup>2</sup>/d shall be required to undertake annual water such through Confederation of Indian. of Indian andustries (City Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (HPC)/ PHD Chamber of Commerce & Industries/ Laghu Lidyog Braran certified auditors and submit buckl reports within three months of completion of The same to Ground Water Department, Uttar Pradesh, All such industries shall be required to reduce their ground water use by attivist 20% over the next five years through appropriate means
  - Construction of observation well(s) (prezomater)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no 10 shall be mandatory for industries drawing/proposing to draw more than 10 m<sup>3</sup> day of ground water and. Monitoring of water level shall be done by the project proponent. The plezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore welfproduction well. Depth and aquifer zone tapped at the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Capund Water Department, UP.
- v) The proponent shall be required to adopt roof top roin water howesting/ recharge to the project premises, industries which are likely to policia ground water (chemical, pharmaceutical, dyes, pigments, paints, textilus, tannery, pesticides/insecticides, feruizers, slaugiter house, explosives etc.) shall store the horvested rain eatur in surface storage tanks for use in the industry,
- d) Injection of weated/ unificated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Terming, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other fracardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural Liker: The No Objection Certificate for ground water abstraction will be granted subject to the following specific
- () In case of intrastructure projects that require downtering, proponent shall be required to carry out regular monitoring of downtering discharge rate (using a digital water flow meter) and submit the data online to Ground Vibrer Department. UP as appricable. Mentoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- lig Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is make than 20 ing May. The water from STP shall be childed for toler fushing, car washing, gardening etc.

Cate 11/04/2021

Place Muzaffar Nagar

This certificate is electronically generated and does not require digital signature

about blank



### GROUND WATER DEPARTMENT

(Namami Gaoge & Bural Water Supply Department) Ministry of Jal Shakti Government of Ulter Prodesh

### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG040747

VALID FROM 22/03/2023 TO 08/08/2025

Serial No.: 202302000067			
Name of the Owner	SHISHIR SANGAL		
Address of the Applicant	8.6 KM JANSATH ROAD, MUZAFFARNAGAR, UTTAR PRADESH	Application No.	MZFN0223RIN0126
Date of Submission	93/02/2023	Specimen Signature	
Company Name	M's SIDDHESHWARI INDUSTRIES PVT LTD	Company Address	8.6KM STONE, JANSATH ROAD, MUZAFFARNAGAR
Location Particulars			
District	Muzaffar Nagar	Block	Municipal Corporation/Nagar Pakka Penshad, Mucalfar Nagar
Plot Ne./Khasre No.	8.5KM STONE, JANSATH ROAD, MUZAFFARNAGAR	Municipality/Corporation	N/A
Ward No JHolding No.			N/A
Particular of the Existing W	ell and Pumping Device		
Date of Construction/Sinking of the Well	25/01/2002		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	180.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	30.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>2</sup> /hr.)	91.00
Date of Energization (In Case of E	Electric Pump)	15/02/2002	
Maximum Allowable Rate of Withdrawal (m³/hr.):	91.00	Maximum Allowable Running Hours Per Day:	4.00
Maximum Allowable Annual Extraction of Ground Water:	134134	Recharge Regulred	5,00
Reason for renewal of N.O.C. एन.ओ.सी, के नवीनीकरण का कारण	TRANSFER OF COWA TO UPGWO		
Against Case			

about blank

- This No-Objection certificate authorizes the owner applicant (user) to sink a web in the focation specified for extraction of ground water at a rate not exceeding that as shown at SLO(), for Running Hours per day and for maximum allowable annual extraction of ground water and is valid subject to the observance of the continons stated overleaf.
- Holder of this NOC is hereby directed to assure annual rechange of 0.00 cubic meter, as specified under the application form

#### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained
- (2) No change of location, design, rate of withcrawal and pumping device in respect of the proposed well as exticated at SL (2) and (3) of this perhiticate shall be made without poor permission of the Competent Authority Any deviation in this regard shall lead to concellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, overy said user shall affix digital water flow moters(conforming to BiS/15 standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, or outlet of purpoing devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the posterary is proved. The rate of extraction of ground water from the well as shown in item 3(x) shall not exceed to the recorded rate from water meters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any curer reasons.
   If the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this confidence shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) It case, any of the particulars I information furnished by the applicant in his application for insurance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (b) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply
  for renewall strough a fresh application, at least ninely days prior to expiry of as validity.
- (5) Construction of piezometers and installation of digital water level recorders with telemetry strall be mandatory for user. Depth and zone lapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Prezometer is a borewell (tube well used only for measuring the water level by lowering the tape) sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation of
  prezometers are as follows for compliance of NOC.
- The prezomater is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the prezomater should be about 4" to 6".
- The depth of the prezonater should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one prezonator are installed the second prezonator should mortilor the shallow ground water regime. It will facilitate shallow as well as
  desper ground water aquifer monitoring.
- + No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

•	S.No	Quantum of Ground water withdrawal (cum/day)	No.of piegometers required	Montaining Mechanism	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and the section of th	Manual	DWLR with Telemetry	
	1	< 10	0	0	ű.
	2	11 - 50	1	-1	0
	3	50-500	1	0	t
	4	► 500	2	0	2

- The massuring frequency should be merifyly and accuracy of measurement should be up to on, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DVALR) with felomotry system should be used for accuracy.
- The measurament of water level in piezomater should be taken, only after the pumping from the surrounding tube wells has been slopped for about four to six hours.
- All the datails regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (Ostober/November) porteds. Quality may be get analyzed from NABL approved lab. Sesides, one sample (1 ii), capacity bottle) to the concerned Director.
   Ground Vibter Department, Uttar Pradesh, for chemical analysis.
- APermanent display board should be installed at plezometer/Tube wells see for providing the location, plezometer/tube well number, depth and zone tapped of plezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken core of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the perticulars t information furnished by the applicant in his application for issuance of this permit is kund to be incorrect during varification at any subsequent stage. This permit is liable for concellation.
- SPECIFIC CONDITIONS:

About blank

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Conficate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt fales) water efficient technologies so as to reduce dependence on ground water resource?
- ii) All industries obstracting ground water in excess of 100 m<sup>3</sup>/o shall be required to undertake annual water audit through Confederation
  of Indian Industries (CIII) Federation Indian Chamber of Commerce and Industry (FICCI)? National Productivity Council (PIPC)? PHID
  Chamber of Commerce & Industries! Leght Udyog Sharati certified auditors and submit audit reports within three months of completion of
  the same to Ground Water Department, Ulter Pradesh. All such industries shall be required to reduce their ground water use by at least
  20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup> day of ground water and. Monitoring of water level shall be done by the project progonent. The prezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production wall. Depth and aquiter zone tapped in the prezometer shall be the same as that of the pumping well wells. Monthly water level data shall be submitted online to the Ground Water Department UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ secharge in the project premises. Industries which are likely to
  pollute ground water (chamical, pharmaceutical, dyes, pigments, pants, textiles, tannery, perhodes/ insecticides, ferilizers, staughter
  thouse, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- V0 Injection of Ireated: unbreated maste water into aquilor system is strictly prohibited.
- vid Industries which are Abely to cause ground water pollution e.g. Tarring, Staughter Houses, Dyv. Chemical Petrochemical, Cost washenes, other (lass/dous units etc. (as per CPCB list) need to undertake necessary will head protection measures to ensure provention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions
- If it case of infrastructure projects that require devalening, proposed shall be required to carry out regular monitoring of devalening discharge rate (using a digital water flow meter) and submit the data unline to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proposent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water recomment is more than 20 m<sup>2</sup> /day. The water from STP shall be utilized for total flushing, car washing, gardening etc.

Date: 17/04/2023

Place Muzalfar Nagar

This certificate is electronically generated and does not require digital signature

# 1021 about blank



### GROUND WATER DEPARTMENT

(Name na George & Bural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

#### Form 8 (E)

(See rules 15(2))

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER) AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG046778 VALID FROM 22/03/2023 TO 08/08/2025

Serial No.: 202302000068

Name of the Owner

SHISHIR SANGAL

Address of the Applicant

8.6 KM JANSATH ROAD,

MUZAFFARNAGAR, UTTAR

PRADESH

Application No.

MZFN0223RIN0127

Date of Submission

03/02/2023

Specimen Signature

Company Name

M/s SIDDHESHWARI INDUSTRIES PVT LTD

Company Address

B.GKM STONE, JANSATH

ROAD.

MUZAFFARNAGAR

**Location Particulars** 

District

Muzallar Nagar

Block

Municipal

Corporation/Nagar Palika Parishad, Muzaffar Nagar

8.6KM STONE, JANSATH ROAD,

Municipality/Corporation

NIA

NIX

Plot No JKhasra No.

MUZAFFARNAGAR

Ward No./Holding No.

Particular of the Existing Well and Pumping Device

te of Construction/Sinking of

Type of Well

Tube Well/Boring

Depth of the Well (in meter)

180:00

Purpose of well

Industrial

Assembly Size(For Tube Well)

Strainer Position (For Tube Well)

Type of Pump Used

Submersible

H.P. of the Pump

30:00

Operational Device

Electric Motor

Rate of Withdrawal (m3/hr.)

100.00

Date of Energization (In Case of Electric Pump)

26/02/2002

Per Day:

Maximum Allowable Running Hours

4.00

Withdrawal (m3/hr.):

100.00

Extraction of Ground Water:

Maximum Allowable Rate of

Maximum Allowable Annual

134000

Recharge Required

0.03

Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण TRANSFER OF CGWA TO UPGWD.

Against Cose

# 1022 about blank

This No-Objection continues authorizes the owner applicant (user) to sink a well in the location specified for extraction of ground water at a rate not exceeding that as shown at St. (3)), for Running Hours per day, and for maximum allowable annual extraction of ground water and is valid subject to the observance of the conditions stated overleaf

Holder of this NOC is hereby directed to assure annual recharge of 0.80 cubic meter, as specified under the application form.

#### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall feed to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affor digital water flow extraction, an outlet of pumping devices and it shall be presumed that the quantity recorded by the mater has been extracted by the said user, until the contrarty is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water maters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons,
  if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to concellation of this registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (B) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The application shall have to apply for reviewal through a fresh application, at least ninety days prior to expry of its validity.
- (9) Construction of prezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Dopth and some impred of prezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Insialition of Piezometers and their Monitoring
- Prozometer is a borewell Aube well used only for measuring the water level by lowering the tape/ sounder or automatic water level
  riversuring equipment. It is also used to take water sample for water quality testing whenever needed, General guidelines for installation of
  prozometers are as follows for compliance of NOC:
- The prezenter is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the prezenter should be about 4" to 6".
- The depth of the preventator should be some as is case of the pumping well from which ground water is being abstracted. If, more than
  one plezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water aquillar monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No. of piezometers required	Monitring Mechanism	
	(2007)	140 or Prescondens (edition	Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	t	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with tidernelity system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been slopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the prezemeter into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved tab. Basides, one sample (1 if. capacity bottle) to the concerned Director.
  Ground Woter Department, Utter Pradesh, for chemical analysis.
- A Permanent display beard should be installed at piccometer/Tube wells site for providing the location, piezometer/Tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- . Any other site-specific requirement regarding safety and access for measurement may be taken care of
- . (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during ventication at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:

BAM

# 1023about tilank

- (A) For Industrial User: No Objection Continuate for ground water extraction by industries shall be granted subject to the following specific extractions:
- if No Objection Certificate shall be granted piny in such cases where local government water supply agencies are not able to supply the desend quantity of water.
- . i) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of the time Industries (CII) Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries/ Liight Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department. Other Prodesh. All such inclusines shall be required to reduce their ground water use by at least 20% layer the next five years through appropriate means.
- ii) Construction of observation well(s) (diegometer(s) within the premises and installation of appropriate water level monitoring such arises as monitoned in General Condition no 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³/day of ground water and, Monitoring of water level shall be done by the project proponent. The prezomater (observation well) shall be constructed at a minimum distance of 50 m from the bore well-production well. Depth and aquifer zone tapped in the prezomater shall be the same as that of the pumping well wells. Monitally water level data shall be submitted online to the Ground Water Department, UP.
- v) The proportion shall be required to adopt rank top rain water harvesting/recharge in the project premises, Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter
  tipust, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tahring, Staughter Houses, Dye, Chemical Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure provention of ground water pollution.
- [H] Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proportion for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sowage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup>/day. The water from STP shall be utilized for tollot flushing, car washing, gardening etc.

Date \$1/05/2023

Place Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



# UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 18265/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated :22/09/2022

To.

Ws SIDDHESHWARI INDUSTRIES PVT LTD 8.6 KM JANSATH ROAD, MUZAFFARNAGAR UTTAR PRADESH,MUZAFFARNAGAR,251001

Tehsit : MuzaffarNagar

District :MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 18265 and 22/09/2022.
- Reference of application (No. and date) 17622357 and 31/08/2022.
- 3. Mr SHISHIR SANGAL of M/s SIDDHESHWARI INDUSTRIES PVT LTD is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 8.6 KM JANSATH ROAD, MUZAFFARNAGAR.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules L,H and HI of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
I	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGH TSDF	0.30 MT/Annum
2	CATEGORY 33.1 AS PER SCHEDULH I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGHTSDF	2,0 MT/Amount
3	CATEGORY 33.2 AS PER SCIII:DULE 1 (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGHTSDF	0.20 MT/Annum
4.	CATEGORY 34.2 AS PER SCHEDULE I (Sludge From Treatment Of Waste Water Arising Out Of Cleaning / Disposal Of Barrels / Containers)	THROUGH TSDF	30 MT/Annum

- The authorization shall be valid for a period of 21/09/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year .
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.

RAKESH KUMAR TYAGI 19AGI 19AGI

Date: 2027.09.28 16.37;21+0530/

- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (e) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/eancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be

RAKESH KUMAR TYAGI Day 1027 00 20 16 37 34 10/30

sent within fifteen days of receipt of this letter.

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

( Authorized Signatory )

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022.09.28 16:37:44 +0530'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action .

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI

CEO/EE, I/C Circle

# INDUSTRY INSPECTION REPORT (PULP & PAPER)

A. General se	ection	Date of inspection:16.01.2024
me of the unit	M/s Rindale Dances Mills Ltd	Date of inspection: 16.01.2024

1,	Name of the unit with complete postal address;	M/s Bindals Papers Mills Ltd. 8 <sup>th</sup> Km Stone,Bhopa Road, Muzaffarnagar(U.P.)
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.469813, 77.785126
3.	Industry Operational status	Operational
4,	Consent status	Air Consent dated 30.12.2019 under ref no.: 68309/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNAGAR/2019 and valid from 01.01.2020 to 31.12.2024 Enclosed as Annexure I Water Consent dated 30.12.2019 under ref no.: 68297/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/water/MUZAFFARNAGAR/2019 and valid from 01.01.2020 to 31.12.2024 Enclosed as Annexure II

5.	Process	Manufacturing Waste, Waste	of writing and paper and Wood	printing paper	er by using A	Αg	
6.	Raw material		apar and mond				
	a. Actual consumption (as per logbook)	Name of Raw material	Quantity (MT)	Moisture Content (%)	Estimated effective weight (MT)		
		Bamboo	11407	52	5,475.36	1	
1		Wheat Straw	11333.5	10	10,200.15	1	
		Bagasse Mill	57,824.67	50	28,912.34	1	
		Bagasse Kollu	38,588	53	18,136.36	1	
		Calcite GCC	3,708.54	0.2	3,701.12	1	
-		Total	1,22,861.71	•/	66,425.33	1	
_1	b. Avg. daily consumption	firom of a Octor	er, 2023 to 31* ( effectively after	December, 202	23)		
-	a. Consented value     b. Actual Production	300 MT/day 27,841,50MT					
1	(as per logbook)	(from 01st October, 2023 to 31st December, 2023)					
F	c. Avg. daily production	302.63 MT/day		3.7.202		-	
-	d. Yield (%)	41.91% of raw r	naterial	117		-	
-	e. Non-paper waste production	58.09%of raw m	aterial (i.e. 419.)	39 MT/day		_	
-	Fresh water consumption	A	1001	22 Tity Guyy		-	
	a. Details of borewell	Four borewells w	rith flow meter fo	and installed		_	
-	<ul> <li>NOC from CGWA/other authorized body</li> </ul>	2021070000007.	2021070000 2021070000 and same are valid	PGWD under	07000000	n	
Ł	<ul> <li>Permitted withdrawal quantity</li> </ul>	6,219 KLD					
3	d. Actual withdrawal quantity	4,61,868 KL	or 2022 to 244 5	Name and the same		_	
T	e. Avg. daily withdrawal	5,020,30 KLD	er, 2023 to 31st D	ecember, 202	3)		

	f. Specific fresh water consumption	16.59 KL/MT of product					
	g. Piezometric well	02 with telemetry					
9.							
	a. Consented discharge value	5900 KLD					
	<ul> <li>Actual effluent generation</li> </ul>	4,15,909 KL					
	(as per V-Notch logbook)						
	c. Avg. daily effluent generation d. Specific effluent generation	4,520.75 KLD					
	e. Actual effluent discharge	14.94 KL/MT of product					
	(as per V-Notch logbook)	4,05,320 KL					
	f. Avg. daily effluent discharge	4,405.65 KLD					
	g. Specific effluent discharge	14.56 KL/MT of product					
	h. Losses in ETP %	115.1 KLD ≈ 2.55 % (of total	effluent generation) against 2-39				
13	i. Actual recycling of treated	in form of moisture in generate	ed sludge.				
	offluent within process (separate primary clarifier	Primary Clarifier feed from process	6,010.35 KLD (avg. from 01st October, 2023 t 31st December, 2023)				
	(which is not the part of		5,966.23 KLD				
	ETP unit) for partially treating the effluent of process)	process)	(avg. from 01* October, 2023 t 31* December, 2023)				
1	processy	Used in Belt press and Bagasse yard spray	Remaining 44,12 KLD				
		Treated effluent (from ETP inlet / outlet)	No provision for recycling.				
1	j. Specific effluent recycle	Total recycled 19.72 KL/MT of product	5,966.23 KLD				
	a. Specific fresh water consumption	16.59 KL/MT of product					
	consumption (as per particular 8.f)	WHI III AREA	466				
	consumption	Nil, due to Magh Mela Roster	(16.01.2024 to 18.01.2024), uni process &CRP cooling tower afte				
	consumption (as per particular 8.f)	Nil, due to Magh Mela Roster utilize all treated water into the RO plant.  Unit has permission to dischardue to Magh mela roster (16. following the ZLD by using a treated water into the process also utilized maximum partially after separate primary clarifier. The unit was operating on ZLD	ge the treated effluent. However 01.2024 to 18.01.224), unit was standby RO plant and utilize al & CRP cooling tower. Further, unit treated effluent into the process during inspection and no effluent				
	consumption (as per particular 8.1) b. Effluent discharge	Nil, due to Magh Mela Roster utilize all treated water into the RO plant.  Unit has permission to dischardue to Magh mela roster (16, following the ZLD by using a treated water into the process also utilized maximum partially after separate primary clarifier.	ge the treated effluent. However, 01.2024 to 18.01.224), unit was standby RO plant and utilize all & CRP cooling tower. Further, unit is treated effluent into the process during inspection and no effluent				
.1	consumption (as per particular 8.f) b. Effluent discharge c. Remark  Effluent treatment plant (ETP)	Nil, due to Magh Mela Roster utilize all treated water into the RO plant.  Unit has permission to dischardue to Magh mela roster (16. following the ZLD by using a treated water into the process also utilized maximum partially after separate primary clarifier. The unit was operating on ZLD was discharged outside the present	ge the treated effluent. However 01.2024 to 18.01.224), unit was standby RO plant and utilize at & CRP cooling tower. Further, unit related effluent into the process during inspection and no effluent				
1	consumption (as per particular 8.f) b. Effluent discharge  c. Remark  Effluent treatment plant (ETP)  Designed capacity a. ETP consists of	Nil, due to Magh Mela Roster utilize all treated water into the RO plant.  Unit has permission to dischard due to Magh mela roster (16. following the ZLD by using a treated water into the process also utilized maximum partially after separate primary clarifier. The unit was operating on ZLD was discharged outside the present the washing and Bleaching clarifier→Equalization Tank→Secondary Clarifier→DAI Additionally, for ZLD-Cartridge Filter → RO1 → RO2	ge the treated effluent. However 01.2024 to 18.01.224), unit was standby RO plant and utilize all & CRP cooling tower. Further, unit treated effluent into the process during inspection and no effluent mises  effluent from process Primary Settling Tank DAF Aeration Amulti Media Filters				
1	consumption (as per particular 8.f) b. Effluent discharge  c. Remark  Effluent treatment plant (ETP)  Designed capacity a. ETP consists of	Nil, due to Magh Mela Roster utilize all treated water into the RO plant.  Unit has permission to dischard due to Magh mela roster (16. following the ZLD by using a treated water into the process also utilized maximum partially after separate primary clarifier. The unit was operating on ZLD was discharged outside the present was discharged outside the present and Secondary Clarifier→DAF Additionally, for ZLD—Cartridge Filter → RO1 → RO2 with freshwater)& RO2 Reject (use Equalization Tank-3938 m³ Primary Clarifier - 2335 m³ DAF- 200 m³ Aeration Tank- 7500 m³	ge the treated effluent. However 01.2024 to 18.01.224), unit was standby RO plant and utilize al & CRP cooling tower. Further, unit treated effluent into the process during inspection and no effluent mises  effluent from process Primary Settling Tank DAF Acration Multi Media Filters				
1	consumption (as per particular 8.f) b. Effluent discharge  c. Remark  Effluent treatment plant (ETP)  Designed capacity a. ETP consists of	Nil, due to Magh Mela Roster utilize all treated water into the RO plant.  Unit has permission to dischard due to Magh mela roster (16. following the ZLD by using a treated water into the process also utilized maximum partially after separate primary clarifier. The unit was operating on ZLD was discharged outside the present was discharged outside the present and Secondary Clarifier→DAF Additionally, for ZLD—Cartridge Filter → RO1 → RO2 with freshwater)& RO2 Reject (use Equalization Tank- 3938 m³ Primary Clarifier- 2335 m³ DAF- 200 m³ Aeration Tank- 7500 m³ Secondary Clarifier- 2888m³ Secondary Clarifier- 2888m³ Secondary Clarifier- 2888m³	ge the treated effluent. However, 01.2024 to 18.01.224), unit was standby RO plant and utilize all & CRP cooling tower, Further, unit reated effluent into the process during inspection and no effluent mises  offluent from process Primary Settling Tank DAF Aeration Amulti Media Filters  Permeate (used in process along ad in CRP cooling tower/process)				
1	consumption (as per particular 8.f) b. Effluent discharge  c. Remark  Effluent treatment plant (ETP)  Designed capacity a. ETP consists of  b. Installed capacity  c. Metering at ETP	Nil, due to Magh Mela Roster utilize all treated water into the RO plant.  Unit has permission to dischard due to Magh mela roster (16. following the ZLD by using a treated water into the process also utilized maximum partially after separate primary clarifier. The unit was operating on ZLD was discharged outside the present was discharged outside the present and Secondary Clarifier→DAF Additionally, for ZLD—Cartridge Filter → RO1 → RO2 with freshwater)& RO2 Reject (use Equalization Tank-3938 m³ Primary Clarifier - 2335 m³ DAF- 200 m³ Aeration Tank- 7500 m³	during inspection and no effluent mises  offluent from process→Primary Settling Tank→DAF→Acration F→Multi Media Filters  →Permeate (used in process along				

		Effluent Discharge		Yes, logbook n	naintained	
		RO1 Feed		184.9 m3/hr, 2	(08228 Q m)	
		RO1 Permeate	0.	72.9 m <sup>3</sup> /hr, 10	6325 3 m3	
		RO1 Reject/RO2 Fee	d	38.3 m <sup>3</sup> /hr, 29	054.7 m3	
		RO2 Permeate		17.4 m <sup>3</sup> /hr, 11	102.2 ml	
1.0		RO2 Reject		No flowmeter	103.2 m	
d. Operational s	tatus of ETP	Operational		ten tipmilieres		
		Flow at inlet: 200.5 r	m³/hr			
		MLVSS/MLSS in aera	tion tanks 25	61/40En		
e. OCEMS at ETI		OCEMS was found I CPCB & SPCB servers	nstalled at o	utlet of ETP &	connected w	
f. Effluent disch	arge point	01				
Effluent Charac	teristics					
Parameter	T					
	ETP inlet	ETP outlet/ RO1 Feed	RO2 permeate	RO2 Reject	RO2 Reject	
pH	11.1	7.4	4.9	7.8	utilization	
Color (Hazan)	70	40	BDL	777786	7.9	
BOD (mg/l)	848	47		50	15	
COD (mg/l)	2028	187	38	55	56	
TSS (mg/l)	2524		144	230	231	
TDS (mg/l)	4676	193	220	51	203	
AOX (mg/l)	7777070	4116	860	4348	1200	
		27.01 (0.39 kg/T of product)	•		-	
Sulphide (mg/l)		2.8 /I; MLVSS- 2561 mg/I	-	-		
<ul> <li>Daily sludge of</li> <li>Specific sludge</li> <li>Estimated slu</li> <li>30 % of inl</li> </ul>	e generation dge generatio	(from 01* October, 2023 to 31* December, 2023) 77.72 kg/day 0.26 kg/MT of product 3.42 MT/day (against 1.13% of product)  Provided to BOWML (TSDF) for final disposal Form 10 provided as record				
f. Sludge Mar						
disposal		Ectimated Children	ecoro	* 4 m / /		
g. Remarks		Estimated Sludge geni	eration (3.42	MT/day) is mu	ch higher tha	
g. Remarks	nagement	Estimated Sludge gene the avg. actual sludge	eration (3.42 generation ()	MT/day) is mu 77.72 kg/day).	ch higher tha	
g. Remarks  Black Liquor Mar  a. Treatment sch	eme	For management of Bla Weak Black Liquor ( stage)   Condensate to Boiler (as fuel in 40 TP	generation ()  ack Liquor, th  WBL)→Collect  to Pulp mill a	e CRP scheme	is:	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Li	eme	For management of Bla Weak Black Liquor ( stage) → Condensate I Boiler (as fuel in 40 TP	generation ()  ack Liquor, th  WBL)→Collect  to Pulp mill at  H boiler)	e CRP scheme	is: MEE (07+0 to Cascade -	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated	eme	For management of Bla Weak Black Liquor ( stage) → Condensate I Boiler (as fuel in 40 TP	generation ()  ack Liquor, th  WBL)→Collect  to Pulp mill at  H boiler)	e CRP scheme	is: MEE (07+0 to Cascade 1	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Li	eme	For management of Bla Weak Black Liquor ( stage) → Condensate I Boiler (as fuel in 40 TP WBL (MT) 28,341	generation ()  ack Liquor, th  WBL)→Collect  to Pulp mill at  H boiler)  SBL  (MT)  28.344	e CRP scheme ction Tank → nd Concentrate	is: MEE (07+0 to Cascade - HBL (MT)	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Li generated (as per logbool	quor k)	For management of Bla Weak Black Liquor ( stage) → Condensate I Boiler (as fuel in 40 TP WBL (MT) 28,341	generation ()  ack Liquor, th  WBL)→Collect  to Pulp mill at  H boiler)  SBL  (MT)  28.344	e CRP scheme ction Tank → nd Concentrate	is: MEE (07+0 to Cascade 1	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool  c. Avg. Daily Black	quor k)	For management of Bia Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20	generation ()  Book Liquor, the WBL) → Collector Pulp mill at H boiler)  SBL (MT)  28,344  23 to 31** De	e CRP scheme ction Tank → nd Concentrate	is: MEE (07+0 to Cascade - HBL (MT) 28300	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Li generated (as per logbool	quor k)	For management of Bla Weak Black Liquor ( stage) → Condensate i Boiler (as fuel in 40 TP  WBL (MT) 28,341 (from 01* October, 20 WBL	generation ()  Book Liquor, the WBL) → Collect to Pulp mill at H boiler)  SBL (MT)  28,344  23 to 31** De SBL	e CRP scheme ction Tank → nd Concentrate	is:  MEE (07+0 to Cascade -  HBL (MT) 28300  HBL	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool  c. Avg. Daily Black	quor k)	For management of Bla Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20 WBL (MT/day)	generation ()  Book Liquor, the WBL) → Collect to Pulp mill as H boiler)  SBL (MT)  28,344  23 to 31st De SBL (MT/day)	e CRP scheme ction Tank → nd Concentrate cember, 2023)	is:  MEE (07+0 to Cascade -  HBL (MT) 28300  HBL 1T/day)	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool  c. Avg. Daily Black generation	quor k) k Liquor	For management of Bia Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20 WBL (MT/day) 308.05	generation ()  Book Liquor, the WBL) → Collect to Pulp mill at H boiler)  SBL (MT)  28,344  23 to 31** De SBL	e CRP scheme ction Tank → nd Concentrate cember, 2023)	is:  MEE (07+0 to Cascade -  HBL (MT) 28300  HBL	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool  c. Avg. Daily Black generation  d. Actual Steam of	quor k) k Liquor	For management of Bia Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20 WBL (MT/day) 308.05 31,639 MT	generation ()  ack Liquor, th WBL)→Collect to Pulp mill at H boiler)  SBL (MT) 28,344 23 to 31** De SBL (MT/day 308.09	e CRP scheme ction Tank → nd Concentrate	is: MEE (07+0 to Cascade - HBL (MT) 28300 HBL 1T/day)	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool  c. Avg. Daily Black generation  d. Actual Steam g (as per logbook	quor k) k Liquor generated	For management of Bia Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20 WBL (MT/day) 308.05  31,639 MT (from 01* October, 202	generation ()  ack Liquor, th WBL)→Collect to Pulp mill at H boiler)  SBL (MT) 28,344 23 to 31** De SBL (MT/day 308.09	e CRP scheme ction Tank → nd Concentrate	is: MEE (07+0 to Cascade - HBL (MT) 28300 HBL 1T/day)	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool c. Avg. Daily Blac generation  d. Actual Steam g (as per logbook e. Avg. Daily Stea	quor k) k Liquor generated k)	For management of Bia Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20 WBL (MT/day) 308.05  31,639 MT (from 01* October, 202  343.90 MT/day	generation ()  ack Liquor, th WBL)→Collect to Pulp mill at H boiler)  SBL (MT) 28,344 23 to 31** De SBL (MT/day 308.09	e CRP scheme ction Tank → nd Concentrate	is: MEE (07+0 to Cascade - HBL (MT) 28300 HBL 1T/day)	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool c. Avg. Daily Blac generation  d. Actual Steam g (as per logbook a. Avg. Daily Stea c. Water evaporat	quor k) k Liquor generated k) m generation	For management of Bia Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20 WBL (MT/day) 308.05  31,639 MT (from 01* October, 202  343.90 MT/day	generation ()  ack Liquor, th WBL)→Collect to Pulp mill at H boiler)  SBL (MT) 28,344 23 to 31** De SBL (MT/day 308.09	e CRP scheme ction Tank → nd Concentrate	is:  MEE (07+0 to Cascade -  HBL (MT) 28300  HBL 1T/day)	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool c. Avg. Daily Blac generation  d. Actual Steam g (as per logbook a. Avg. Daily Stea a. Avg. Daily Stea	quor k) k Liquor generated k) m generation	For management of Bia Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20 WBL (MT/day) 308.05  31,639 MT (from 01* October, 202	generation ()  ack Liquor, th WBL)→Collect to Pulp mill at H boiler)  SBL (MT) 28,344 23 to 31** De SBL (MT/day 308.09	e CRP scheme ction Tank → nd Concentrate	is:  MEE (07+0 to Cascade -  HBL (MT) 28300  HBL 1T/day)	
g. Remarks  Black Liquor Mar  a. Treatment sch  b. Actual Black Ligenerated (as per logbool c. Avg. Daily Blac generation  d. Actual Steam g (as per logbook a. Avg. Daily Stea c. Water evaporat	quor k) k Liquor generated k) m generation ted etails	For management of Bia Weak Black Liquor ( stage) → Condensate ( Boiler (as fuel in 40 TP)  WBL (MT) 28,341 (from 01* October, 20 WBL (MT/day) 308.05  31,639 MT (from 01* October, 202  343.90 MT/day	generation ()  ack Liquor, th WBL)→Collect to Pulp mill at H boiler)  SBL (MT) 28,344 23 to 31** De SBL (MT/day 308.09	e CRP scheme ction Tank → nd Concentrate	is:  MEE (07+0 to Cascade -  HBL (MT) 28300  HBL 1T/day)	

Sampling location	P;	rame	ters	(all va	lues are ir	mg/Le	cept p	H & Colo	r (in Ha	zen))		
	Up Stream	pH	0	olor	BOD	COD	TSS	TDS	504-	DO 3-	luc v	
		7.14	1 3	50	60	176,8	116	880	20.934	PO <sub>4</sub> 3-	NO <sub>3</sub> -N	
		nH	-	.lan	200	1000000		100	110000000	ND	7.738	
1	Down Stream	vn Stream PH Color		-		7.0	TSS	TDS	504	PO42-	NO <sub>3</sub> -N	
1		7.51		an.	38	162	78	814	81,48	3.07	1.94	
4.	Air Pollution n	nanager	nent									
1	a. Boiler capacit	v			100 TP	1 8. 40 TRU	/0	2.0				
1	b. Stack details				Stack H	1 & 40 TPH eight - 65	(xecover	y Boiler				
	c. APCD installe				Electros	tatic precip	itator (FS	D\				
_	d. Estimated sto @ 10 T/T of p	aper pro	duce	ent	3,026.3	T/day	motor (L.					
1	e. Name of the l	uel use			Low 5	ulphur Coa	il, biomas	s & blac	k liquor fo	r Recove	ry boiler	
125	. Fuel consun logbook)	nption	(as	er	L	ow Sulphu	r Coal	1 - 700	Bior	nass	7 0010	
	logoook)				-	(MT)				(T)		
					Total Fo	36,538 el= 58,477	ME		21,	939		
					(from 0	o= oo,4// 1≅ October	2022 10	2181 0	ambr	221		
	<ol> <li>Estimated Full Box</li> <li>03 T steam</li> </ol>	/ T of Fu	el	on	(from 01* October, 2023 to 31* December, 2023) 1,008.77 MT/day							
h	. Avg. Daily fue	d consun	nption		635.62 MT/day							
1	Avg. Daily ash	genera	don		126.44	MT/day					_	
j.	j. Ash generation w.r.t of fuel consumed (%)				(avg. from October 2023 to Documber 2022)							
k	. Estimated ash		ion	+	126.3 MT/day							
1.	Disposal of as	h genera	ted	-	Ash no	l/day				-		
					manufac	nerated fr turing (cor	om the	unit w	as being	utilized	in bri	
п	n.Stack Monitori	ng repoi	t		PM- 31.3	mg/Nm <sup>3</sup> (	against 8	ma/Nr	n <sup>3</sup> )	unit).	_	
H	lazardous was	te man	gem	ent			- 10		1000			
A	uthorization sta	tus		3	Authoriz	- Nuzaffarnag	ranted lar(UPPC8	under RO)/HW	/M/MUZAF	no. FARNAG	1686 AR/ 202	
						.04.2022 a as Annexu		iii 26.04	.2027.			
re	cyclers /TSDF	reement			Available with Bharat Oil & Waste Management Ltd. Kanpur							
Hazardous waste generated				1	Used Lube Oil- 108 kg, Empty Barrels- 103 Kg, Cotton rags- 14 Kg, Chemical Residue- 42 Kg (from 01st October, 2023 to 31st December, 2023)							
	temarks									10000		
Re						is Waste Si ensure the					perly an	
										aga and and a		
	round water A	nalysis	resul							aga and and a	ns)	
Gi	round water A	-	-		ample o	collected f	rom bore	well w	ithin the	premise	NO <sub>3</sub> -	

BIS IS 10500:2012									T	T
Results	7.6	BDL	BDL	250	199	238		-		
Parameters	NO2-N	Na+	K+	Ca2+	The second second		15	BDL	0.45	0.58
Acceptable	77.		-	-	Mg <sup>2+</sup>	PO41-	Cond.	As	Cd	Co
limit as per BIS IS 10500:2012		20		75	30			0.01	0.003	
Results	BDL	14	05	61	11	BDL	422	051	-	
Parameters	Cr	Cu	Fe	Mn	-	-	437	BDL	BDL	BDL
Acceptable	0.05	100000	-		Ni	Pb	Sb	Se	V	Zn
limit as per BIS IS 10500:2012	V.U5	0.05	0.3	0.1	0.02	0.01	-	0.01	-	05
Results	BDL	BDL	0.13	0.03	BDL	DDI				
All parameters	are in n		cont of	0.03	DIJL	BDL	BDL	BDL	BDL	0.01

#### 17. Major observation & Key issues

- The unit has effluent treatment plant containing process→Primary clarifier→Equalization Tank→Settling Tank→DAF→Aeration Tank→Secondary Clarifier→DAF→Multi Media Filters. Unit has also additional treatment unit to achieve ZLD containing Cartridge Filter ightarrow RO1 ightarrowROZ.
- b. Unit has permission to discharge the treated effluent. However, during inspection the unit was operating at ZLD due to Magh Mela Roster imposed by UPPCB and recycle all treated effluent into process and boiler feed.
- c. Unit has separate primary clarifier (not the part of ETP units) for recycling of treated raw material washing effluent into process. Flowmeter were installed at Feed and recycle line of Primary clarifier.
- d. To ensure Zero discharge of Black Liquor generated from cooking/digestion section in production process, unit has installed Chemical Recovery Plant (CRP) and the scheme is as below:

Weak Black Liquor (WBL)→Collection Tank → MEE (07+02 stage) → Condensate to Pulp mill and Concentrate to Cascade → Boller (as fuel in 40 TPH boiler).

- e. Unit has agreement with BOWML for TSDF the Hazardous waste generated from process.
- Boiler ash generated from the unit was being utilized in brick manufacturing.
- g. Housekeeping was found average.
- h. For the management of wastewater generated from domestic activity, unit has provided septic tanks.

#### Key Issue

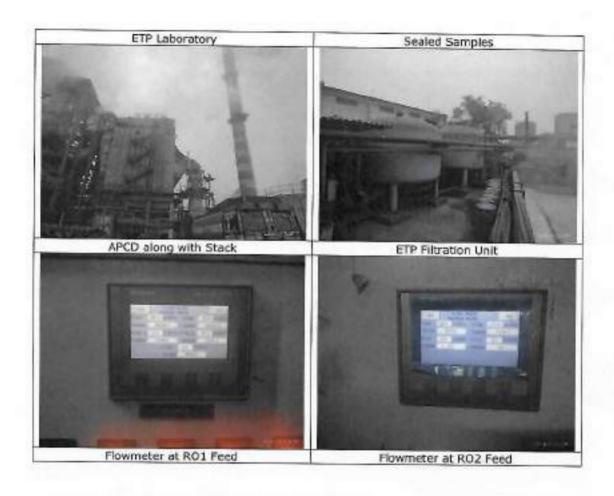
- a. Estimated Sludge generation (3.42 MT/day) is much higher than the avg. actual sludge generation (77.72 kg/day), which indicate logbook is not maintained properly.
- 18. Compliance Status: Unit was operating on ZLD
- 19. Recommendations:

<ul> <li>b. Unit shall maintain proper logbook for generation &amp; disposal of boiler ash.</li> <li>Inspection team details:</li> </ul>									
S. No.	MoEF&CC/CPCB officials	Designation	Organization	Signature					
1.	Dr. A.K. Gupta	Additional Director	MoEF&CC						
2.	Dr. R K Singh	Scientist 'D'	CPCB	DULAR					
3.	Sh. Ashish Kumar	Hydrologist	UPGWD	(M)					
4.	Sh Imran Ali	AEE	UPPCB	Oy					
5.	Dr., Vivek Rana	Research Associate-	CPCB	Mari					
6.	Sh. Ankit Shukla	Senior Research Fellow	CPC8	Marie					
7.	Sh. Muktesh Chaudhari	Senior Research Fellow	СРСВ						
8.	Sh. Manish Kumar	JRF	UPPCB,	Pattynger 6					

#### Photographs



Page 7 of 8



Date :- 2023-03-20



#### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone 0522-2720028.2720831, Fax:6622-2720764. Final: infost uppels in. Website: www.uppels.com.

/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAGAR/20 23 Date: 25/04/2023

To.

MISBINDALS PAPERS MILLS LTD

8th Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974"and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

#### Application no. 19581143

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s BINDALS PAPERS MILLS LTD located at 8th Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- 1.1 This CCA is granted for the period upto 2024-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2024-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit		Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	LIME STONE - 60 MT/DAY, LIME MUD- 170 MT/DAY	LIME - 170 MT/DAY, 15 MW TURBINE	LIME - 176 MT/DAY, 15 MW TURBINE

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the	unit_	Permitted by the
		Numbers	Usage / Process operation	Board

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
   GHAN SHYAM Date 2023.06.01 17:18:24 105:30

 The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

#### A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical /Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- 3. Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2024-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.1 fresh water as mentioned below:

		Declaration	Permitted	
S.No	Source of fresh water	Borewells/river	Borewells/river	
1	Daily quantity of water to be abstracted	6200	6200	

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to eater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed	
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills,	<40 KL per Ton of paper produced	
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced	
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper	

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometrie well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

#### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

Digitally signed by GHAN

GHAN SHYAM SHYAM Date: 2023.06.01 17:18:32

S.No	CCA is valid for	Declared by the unit	Permitted	

### 2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to eater the losses in water accrued during process.
- v Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 – 8.5	6.5 - 8.5	6.5 - 8.5	No discharge is allowed
TSS, mg/l	<= 30	<30	<30	No discharge is allowed
BOD, mg/l	<- 20	< 20	< 20	No discharge is allowed
COD, mg/	< 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<- 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<- 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<- 8	=		No discharge is allowed

SAR	<= 10	< 8	< 8	No discharge is
				allowed

- In the case of land application of treated offluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- All flowmeter should be calibrated annually from recognized institutions/vendor.
- The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- The unit shall get its ETP performance evaluated by a third party annually.
- The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

	Declared by the unit	Permitted
Maximum daily discharge of sewage	mull	null
Treatment facility	null	null
Discharge point	null	null

<sup>\*</sup> In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

S.No Parameter Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; ECF bleaching for agro & Delignification and paper mills
- Use of jet aerators for improved biodegradation in aeration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- 7. Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.

#### 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
t	Equipment in use standby	PRODUCER GAS-10000 NM3 OR LSHS- 26 MTD OR PET COKE- 60 MTD	65	as per EPA Rules	as per EPA Rules

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- iv. The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit < operating in NCR > shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.

#### 9. Noise Pollution Mitigation:

Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
as is required for meeting the ambient noise standards for night and day time as prescribed for
respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industr	ial Area	Commer	cial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.01 17:19:06 +05'30'

- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The medification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- 20 Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL, http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

- This CTO is valid only for the production capacity LIME 170 MT/DAY, 15 MW TURBING BY USING LIME STONE - 60 MT/DAY, LIME MUD- 170 MT/DAY AS RAW MATERIAL AT SITE 81H KM STONE, BHOPA ROAD, MUZAFFARNAGAR.
- The ground water shall be abstracted after obtaining NOC from the UPGWD and submit the copy to the Board within 3 months failing which consent shall be deemed automatically cancelled.
- 3. Industry shall submit Stack Emission Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified approved laboratory under E.P. Act 1986 to the Board.

  GHAN SHYAM Digitally signed by GHAN SHYAM DIGITAL DIGITA

- 4. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 5. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 6. The unit will not use agro based raw materials in the production process.
- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 10. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 11. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 12. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 13. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 14. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQMatpoint no. 65.
- 15. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 16. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 17. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 19. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 20. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 21. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- 22. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981

  GHAN SHYAM Digitally signed by GHAN SHYAM
  Date: 2023.06.01 12:19:36 + 05:36

as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time,

- 23. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 24. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 25. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 26. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 27. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P Rules 1986.
- 28. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board for expanded Hazardous Waste Material within a month.
- 31. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 32. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 33. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 34. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 35. The unit shall submit the audited balance sheet for the current year.
- 36. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 37. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

GHAN SHYAM Date: 2023-06-01 17/19-64

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Date: 2023.06.01 17:19:51 +05:36\*



### GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

#### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG035409

VALID FROM 27/08/2021 TO 26/08/2026

Serial No.: 202107000007			
Name of the Owner	MAYANK BINDAL		
Address of the Applicant	8th Km stone , Bhopa Road , Muzaffamagar	Application No.	MZFN0721RIN0030
Date of Submission	01/07/2021	Specimen Signature	
Company Name	Ws BINDALS PAPERS MILLS LIMITED	Company Address	8th Km Stone, Bhops Road, Muzaffarnagar
Location Particulars			
District	Muzaffar Nagar	Block	Municipal Corporation/Neger Palka Perishad, Muzaffer Neger
Plot No./Khasra No.	8th Km Stone, Bhopa Road, Muzaffarnagar	Municipality/Corporation	Yes
Ward No/Holding No.			N/A
Particular of the Existing We	ell and Pumping Device		
Date of Construction/Sinking of the Well	15/01/2008		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	125.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	100.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	139.00
Date of Energization (In Case of E	Electric Pump)	12/02/2008	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	139,00	Maximum Allowable Running Hours Per Day:	1.00
Maximum Allowable Annual Extraction of Ground Water:	41700	Recharge Required	41700.00
Reason for renewal of N.O.C. एन.ओ.सी, के नवीनीकरण का कारण	NOC ISSUED FROM CGWA WAS	VALID TILL 12.03.2020	
Against Case			

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified for extraction of ground water at a rate not exceeding that as shown at St. (3j), for Running Hours per day, and for maximum allowable annual extraction of ground water and is valid subject to the observance of the conditions stated overlead.
- Holder of this NOC is hereby directed to assure annual recharge of 41700.00 cubic meter, as specified under the application form.

#### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  meters(conforming to BIS/IS standards) having telemetry system in the abstraction structure, which record rate and quantum of
  extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said
  user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the
  recorded rate from water meters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (5) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SL (2) and (3) of this certificate shall be made without prior pennission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of plezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and
  zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders
  shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Piezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC:
- The prezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the prezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the accord piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water squifer monitoring.
- No, of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

	S.No	Quantum of Ground water withdrawal (ourn/day)	No. of piezometers required	Monitiring Mechanism		
	57000		rwiw pracontetera raquiras	Manual	DWLR with Telemetry	
	1	<10	D	0	0	
	2	11 - 50	1	1.	٥	
	3	50- 500	1	a	:1	
	4	> 500	2	0	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in plezomater should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt. capacity bottle) to the concerned Director,
  Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number; depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

- · SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Cortificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- ii No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>2</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries/ Laghu Udyog Sharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department, Ultar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring
  mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>/day
  of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be
  constructed at a minimum distance of 50 m from the bore well/production well. Depth and equifer zone tapped in the piezometer shall be
  the same as that of the pumping well/ wolls. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises, Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fartilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning. Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering bischarge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date: 19/04/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



Against Case

### GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

#### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG047692

VALID FROM 27/08/2021 TO 26/08/2026

Serial No.: 202107000008			
Name of the Owner	MAYANK BINDAL		
Address of the Applicant	8th Km stone , Bhopa Road , Muzaffarnagar	Application No.	MZFN0721RIN0031
Date of Submission	01/07/2021	Specimen Signature	
Company Name	M/s BINDALS PAPERS MILLS LIMITED	Company Address	8th Km Stone, Bhops Road, Muzaffamagar
Location Particulars			
District	Muzaffar Negar	Block	Municipal Corporation/Nagar Palka Parishad, Muzaflar Nagar
Plot No./Khasra No.	8th Km Stone, Bhopa Road, Muzaffarnagar	Municipality/Corporation	Yes
Ward No./Holding No.			N/A
Particular of the Existing W	ell and Pumping Device		
Date of Construction/Sinking of the Well	19/01/2008		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	125.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)	CV.		
Type of Pump Used	Submersible	H.P. of the Pump	100.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	160.00
Date of Energization (In Case of	Electric Pump)	12/02/2008	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	180.00	Maximum Allowable Running Hours Per Day:	14.00
Maximum Allowable Annual Extraction of Ground Water:	672000	Recharge Required	672000.00
Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण	CGWA NOC EXPIRED ON 12.03.	2020	

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified for extraction of ground water at
  a rate not exceeding that as shown at SL (Sj), for Running Hours per day, and for maximum allowable annual extraction of ground water
  and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 672000.00 cubic meter, as specified under the application form.

#### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  meters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of
  extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said
  user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(x) shall not exceed to the
  recorded rate from water meters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (5) No change of location, dasign, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of
  this certificate shall be made without prior parmission of the Competent Authority. Any deviation in this regard shall lead to cancellation of
  this registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply
  for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Plezometers and their Monitoring
- Piezometer is a borewell itube well used only for measuring the water level by lowering the tape! sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC.
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water aquifer monitoring.
- No of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

•	S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Mo	tiring Mechanism	
	11000	The state of the s	110,01 procomoters requires	Manual	DWLR with Talametry	
	1	< 10	0	0	0	
	2	11 - 50	1	1	0	
	3	50- 500	1	0	1	
	4	> 500	2	0	2	

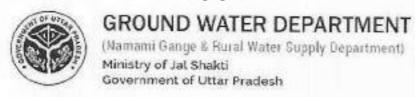
- The measuring frequency should be mornily and accuracy of measurement should be up to cm, the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with felemetry system should be used for accuracy.
- The measurement of water level in plezometer should be taken, only after the pumping from the surrounding tube wets has been slopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lawered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation.
- The ground water quality has to be manifered twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt. capacity buttle) to the concerned Director.
  Ground Water Department, Ultar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number depth and zone tapped of piezometentube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- If No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation
  of Indian Industries (City Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD
  Chamber of Commerce & Industries/ Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion
  of the same to Ground Water Department, Uttar Pradesh. All such industries shall be required to reduce their ground water use by at
  least 20% over the next five years through appropriate means.
- (v) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup> iday of ground water and. Monitoring of water level shall be done by the project proponent. The plezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the plezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, taxtiles, tarriery, pesticides/ insecticides, fartilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated untreated waste water into aquifor system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tarming, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date 19/04/2022

Place Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



#### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG046425

VALID FROM 23/10/2021 TO 26/08/2026

Serial No.: 202107000009			
Name of the Owner	MAYANK BINDAL		
Address of the Applicant	8th Km stone , Bhopa Road , Muzaffarnagar	Application No.	MZFN0721RIN0032
Date of Submission	01/07/2021	Specimen Signature	
Company Name	M/s BINDALS PAPERS MILLS LIMITED	Company Address	8th Km Stone, Shopa Road, Muzaffamagar
Location Particulars			
District	Muzaffar Nagar	Block	Municipal Corporation/Nagar Palka Parishad, Muzaffar Naga
Plot No./Khasra No.	8th Km Stone, Bhopa Road, Muzaffarnagar	Municipality/Corporation	Yes
Ward No./Holding No.			NA
Particular of the Existing W	ell and Pumping Device		
Date of Construction/Sinking of the Well	24/01/2008		
Type of Well	Tube Well/Boring	Depth of the Well (In moter)	125.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	100.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	160.00
Date of Energization (In Case of I	Electric Pump)	12/02/2008	
Maximum Allowable Rate of Withdrawal (m³/hr.):	160:00	Maximum Allowable Running Hours Per Day:	12.00
Maximum Allowable Annual Extraction of Ground Water;	576000	Recharge Required	578000.00
Reason for renewal of N.O.C. रन.ओ.सी. के नवीनीकरण का कारण	CGWA NOC EXPIRED ON 12,03	2020	

Against Case

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified for extraction of ground water at a rate not exceeding that as shown at St. (3j), for Running Hours per day, and for maximum allowable annual extraction of ground water and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 578000.00 cubic mater, as specified under the application form.

#### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this pertificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- + (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow maters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of
  this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of
  this registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of the registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply
  for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of prezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and
  zone tapped of prezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders
  shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Prezometer is a borewell stube well used only for measuring the water level by lowering the tape/ sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC:
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping wall from which ground water is being abstracted. If, more than
  one piozomater are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water aquifor monitoring.
- No of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

•	S.No	Quantum of Ground water withdrawal (cum/day)	No. of piezometers required	Ma	nitiring Machanism
		and the state of t	146.01 placementa requiros	Manual	DWLR with Telemetry
	1	<b>→10</b>	0	0	0
	2	11 - 50	1	1	0
	3	50- 500	f	0	
	4	> 500	2	0	2

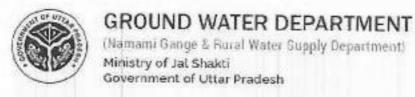
- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR). Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been slopped for about four to six hours.
- + All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Prodesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NASL approved lab. Besides, one sample (1 ff. capacity bottle) to the concerned Director.
  Ground Water Department, Littar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

- SPECIFIC CONDITIONS
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- If No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- ii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation
  of Indian Industries (CIII) Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) PHD
  Chamber of Commerce & Industries/ Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion
  of the same to Ground Water Department, Ultar Pradesh. All such industries shall be required to reduce their ground water use by at
  least 20% over the next five years through appropriate means.
- w) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring
  machanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>/day
  of ground water and. Monitoring of water level shall be done by the project proponent. The plezometer (observation well) shall be
  constructed at a minimum distance of 50 m from the bore well/production well. Depth and equifer zone tapped in the plezometer shall be
  the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fartilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/ Petrochemical Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure
  prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Cortricate for ground water abstraction will be granted subject to the following specific conditions
- If in case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department. UP as applicable, Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date 19/04/2022

Place Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



#### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG025383

VALID FROM 27/08/2021 TO 26/08/2026

Serial No.: 202107000011			
Name of the Owner	MAYANK BINDAL		
Address of the Applicant	8th Km stone , Bhopa Road , Muzaffamagar	Application No.	MZFN0721RIN0033
Oate of Submission	01/07/2021	Specimen Signature	
Company Name	M/s BINDALS PAPERS MILLS LIMITED	Company Address	8th Km Stone, Bhopa Road, Muzaffarnagar
Location Particulars			
District	Muzaffar Nagar	Block	Municipal Corporation/Nagar Palika Panshad, Muzaffar Nagar
Plot No./Khasra No.	8th Km Stone, Bhopa Road, Muzaffarnagar	Municipality/Corporation	Yes
Ward No/Holding No.			N/A
Particular of the Existing We	ell and Pumping Device		
Date of Construction/Sinking of the Well	30/01/2008		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	125.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	100.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	160.00
Date of Energization (In Case of E	Electric Pump)	15/02/2008	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	160,00	Maximum Allowable Running Hours Per Day:	12.00
Maximum Allowable Annual Extraction of Ground Water:	576000	Recharge Required	578000.00
Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण	OGWA NOC EXPIRED ON 12,03.	2020	

Against Case

- + This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day, and for maximum allowable annual extraction of ground water and is valid subject to the observance of the conditions stated overleef.
- Holder of this NOC is hereby directed to assure annual recharge of 575000.00 cubic meter, as specified under the application form.

#### Conditions

- (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of
  this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of
  this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  meters(conforming to BIS/15 standards) having telemetry system in the abstraction structure, which record rate and quantum of
  extraction, at outlet of pumping devices and if shall be presumed that the quantity recorded by the meter has been extracted by the said
  user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the
  recorded rate from water maters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other researcs, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (8) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancetation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply
  for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Piezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC:
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water aquifer monitoring.
- No. of piccometers to be constructed & Type of water level monitoring mechanism shall be as per below table.

*	S.No	Quantum of Ground water withdrawal (cum/day)	Na.of piczometers required	Monitining Mechanism	
		,	issua processo required	Manual	DWLR with Telemetry
	1	< 10	0	D	0
	Z	11 - 50	1	7	0
	3	50- 500	1 1	D	
	4	× 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in mater up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)\* Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced lovel (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezomater into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got snalyzed from NABL approved lab. Besides, one sample (1 ft. capacity bottle) to the concerned Director.
  Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- · (11) Any other condition(s) that may be imposed by the concarned Authority.
- (12) in case, any of the particulars t information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- II) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries/ Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department, Utlar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (prezonater)(s) within the premises and installation of appropriate water level monitoring
  mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>/day
  of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be
  constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be
  the same as that of the pumping well/ wells. Monthly water level date shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are fixely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, posticides/ insecticides, fertilizers, slaughter
  house, explosives etc.) shall store the harvestad rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aguifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dya, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ansure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering
  discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department. UP as applicable. Monitoring
  records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
  Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date 19/04/2022

Place Muzeffar Nager

This certificate is electronically generated and does not require digital signature



#### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831 Fax: 0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 16861/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated :27/04/2022

To.

M/s BINDALS PAPERS MILLS LTD

8th Km Stone, Bhopa Road, Muzaffamagar, MUZAFFAR NAGAR, 251001

Tehsil:MuzaffarNagar

District:MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue [686] and 27/04/2022.
- Reference of application (No. and date) 15591768 and 24/03/2022.
- Mr MAYANK BINDAL of M/s BINDALS PAPERS MILLS LTD is hereby granted an
  authorization based on the enclosed signed inspection report for generation, collection,
  utilization, storage and disposal or any other use of hazardous or other wastes or both on the
  premises situated at 8th Km Stone, Bhopa Road, Muzaffarnagar.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules 1,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 33.2, SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.1 T/ANNUM
2	CATEGORY 33.1, SCHEDULE 1 (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals/Wastes)	THROUGHTSDF	3.0 MT/ANNUM
3	CATEGORY 5.1, SCHEDULE I (USED OR SPENT OIL)	THROUGHTSDF	0.425 MT/ANNUM
4	CATEGORY 34.1, SCHEDULE I (Chemical Containing Residue Arising From Decontamination)	THROUGH TSDF	0.150 MT/ANNUM
5	CATEGORY 34.2, SCHEDULE I (Sludge From Treatment Of Waste Water Arising Out Of Cleaning/Disposal Of Barrels /Containers)	THROUGHTSDF	45.0 MT/ANNUM

- The authorization shall be valid for a period of 26/04/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).
- A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- 7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of us per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- This Authorization is valid for Contaminated Cotton Rags Or Other Cleaning Materials-0.1 T/Annum, Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes-3 T/Annum, Used Or Spent Oil-0.425 T/Annum, Chemical Containing Residue Arising From Decontamination-0.150 T/Annum And Sludge From Treatment Of Waste Water Arising Out Of Cleaning/Disposal Of Barrels /Containers-45 T/Annum disposed through TSDF.
- 2- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 3- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in

the premises and must be fenced, covered and duly marked.

- 4- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 5- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 6- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 7- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 8- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 9- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 10- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 11- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 12- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 13- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 14- The stored waste shall not be taken out of the storage area except with the written permission of

the State Pollution Control Board in this regard.

- 15- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 16- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 17- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 18- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 19- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 20- Ground water monitoring report of premises shall be submitted within one month.
- 21- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 22- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

RAKESH KUMAR TYAGI Date 302205.16 12:21.14 - US'30'
UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Regional Officer, U.P. Pollution

Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action.

RAKESH KUMAR TYAGI TYAGI

Digitally signed by RAXESH KUMAR

CEO/EE, I/C Circle

# INDUSTRY INSPECTION REPORT (SLAUGHTER HOUSE)

# General Information & Operational Details

1.	Date of Inspection	04th January 2024				
2.	Name &Address:	M/s Al-Noor Exports Vill: Shernagar 9th Km. Jansath Road, Muzaffarnagar (U.P.)				
3.	Spatial Coordinates in Decimal					
4.	Operational Status of the unit	Longitude: 77.765828 Operational.				
5.	Operational Schedule	1 shift per day. 25 nos. (Avg. of Oct.2023 to Dec.202	working days per monti			
6.	Consent & Authorization Status					
	Consent to Operate issued by 1974	UPPCB, under Water Act,	Valid till 31/12/2027			
	Consent to Operate issued by	UPPCB, under Air Act, 1981	Valid till31/12/2027			
	Authorization for Hazardous	Waste Disposal issued by d Other Wastes (Management	Valid till 17/09/2025			

7.	Manufacturing Process	Buffalocs→ Ante-mortem inspection→Lairage→ Stunning→ Hoist & Bleed→Head & Feet→De-hiding→ Evisceration→ Brisket Cut→Careass Split & Spinal Con- Removal→Meat Inspection→ Final Wash→ Chilling→ Deboning→Dispatch
8.	Consented and Actual Production	A. Consented (permitted) production (As per CTO):  i. Buffaloesto be slaughtered (nos.): 600  ii. Frozen Meat Production (in MTD): 100 TPD  iii. Meat Bone Meal and Tallow (in MTD): 60TPD  iv. Other By-products: Not specified in CTO.  B. Actual production:  Average figures based on logbook data of 3 month (Oct.2023 to Dec.2023).  Buffalces slaughtered=281nos/day.  i. Frozen Meat= 36.74 TPD. (Main Product)  ii. Blood Meal = 0.12 TPD. (By-product)  iii. Poultry Feed Supplement= 8.44TPD. (By-product)  iv. Non-Edible Buffaloes Fat (Tallow)= 6.25 TPD. (By-product)
		Total of all products= 51.55 TPD. (Avg. Yield=183kg/Buffalo)

Ground Water NOC Status	
NOC from CGWA / State GWD, as permission to abstract Ground Water	Valid till 27/04/2027
Fresh Water Source and Consum	nption
Source	Two (2) Bore wells, located within Unit's premises. Both bore-wells have flow meter with flow totalizer.
Average Water Consumption (KLD)	190 KLD. (Combined for Production process, boiler, domestic and gardening) Average of logbook data of 3 months (Oct.2023 to Dec.2023).
Specific Water Consumption	3.685KL/Tonne (0.676KL/ Buffaloes).

Processes from which wastewater streams reaching ETP	Lairage, Slaughtering, Product washin Floor washing in entire plant.		
Status of ETP	Operational, Continuous operation.		
Designed capacity of ETP	600 KLD		
Samples collected in inspection	Yes. ETP inlet, Aeration tank and Treate (ETP outlet).		
Treatment process and	Primary, Physico-chemical, Two stage Biological Aerobic and Media Filtration.		
Names of all treatment units	Raw wastewater → Screens (Mech. Screens for dung separation) → Equalization Tanks → PE dosing → DAF → PrimaryTube Settler → Aeration Tanks-1 &2 (in series) → Secondary Clarifier-1 → Aeration Tank-3 → Secondary Clarifier-2 → Holding Tank → PS and Activated Carbon Filter.  Bio-enzyme, Poly-electrolyte and Alum. Log book provided.  No.  Yes, Electromagnetic (EMF) Instantaneous flow rate Reading: 0.00 m3/hr Totalized Reading: 294520.00 m3		
Name of chemical(s) used in ETP			
Flow meter with totalizer/ V-Notch installed at ETP inlet			
Flow meter with totalizer/ V-Notch installed at ETP outlet			
Logbook maintained:	Yes. Last three months logbooks provided.		
Average Effluent Discharge (KLD) (based on)	175KLD. Avg. of logbook data for 3 month (Oct.2023 to Dec.2023).		
Effluent Discharge in KL/ MT of product (based on legbook)	175/51.55= 3.40 KL/ Tonne. Avg. of logbool data for 3months (Oct.2023 to Dec.2023).		
Energy Meters for ETP	Yes. Three (3). Readings- 4254010; 216383; 89014.		

10	Will all			Daily Po (Avg. data	wer consumpt of 3 months l	tion= 616kWh / da	
10.	Treated Effluer	Recycles the I	SIP	Not in process, but treated effluent used for watering of plants & trees inside the unit premises.			
11.	ETP Outlet and instantaneous values shown on during inspection			Flow meter installed, working. Totalize reading =294520.0  OCEMS: Display was not working. The unfollowed-up with instrument supplier for repair of instrument.			
12.	Consents)	sis Report- Qua UNIT under Env	ality o	f dischare	ad affine hor	for all parameters a 1986/ required as pe	
	Parameter	ETP inlet	155100	Outlet	Norms a	S Compliance	
1	pH	6.8	7.5		6.5-8.5	Complying	
-	BOD (mg/l)	1487	55		30	Non-complying	
-	COD (mg/l)	5560	222		250	Complying	
-	TSS (mg/l)	2834	42		50	Complying	
	Oil & Grease (mg/l)	-	BDL	0	10	Complying	
	TDS	3524	1360		Not applicable	N.A.	
	In Aeration Tank	and a second of the	ng/l): 2	2777; ML	VSS (mg/l): 14 VSS (mg/l): 22	242	
	In Aeration Tank In Aeration Tank Additional param	3 MLSS (n	ne/De 2	2997 - MI	VSS (mg/l); 2	393,	
	In Acration Tank Additional paran	The second secon	ne/De 2	997 ; ML n Yamuna	main stem sta	tes;	
	In Acration Tank Additional paran Parameters	3 MLSS (n	ne/De 2	997; ML N Yamuna ETP In	main stem sta let (mg/L)	tes; ETP Outlet (mg/L)	
	In Aeration Tank Additional paran Parameters Ammonia Nitroge	3 MLSS (n neters for GPIs lo	ne/De 2	997 ; ML n Yamuna	main stem sta let (mg/L)	tes;	
13.	In Aeration Tank Additional paran Parameters Ammonia Nitroge Domestic Sewag Total number of the Unit	MLSS (neeters for GPIs lo	ng/I): 2 cated i	2997; ML n Yamuna ETP In 96	main stem sta let (mg/L)	tes; ETP Outlet (mg/L) 14	
13.	In Acration Tank Additional paran Parameters Ammonia Nitroge Domestic Sewag Total number of the Unit Whether sewage process effluent?	meters for GPIs lo	ing in	2997; ML n Yamuna EIP In 96 200 (in workers Yes. Ho	main stem sta let (mg/L) acluding cont i) owever, sewag	tes; ETP Outlet (mg/L) 14 ract / daily basis	
13.	In Aeration Tank Additional paran Parameters Ammonia Nitroge Domestic Sewag Total number of the Unit Whether sewage process effluent? Method of Sewag	meters for GPIs lose Treatment employees work	ing in	2997; ML n Yamuna ETP In 96 200 (in workers Yes. Ho need im	main stem sta let (mg/L) acluding cont i) owever, sewag provement.	tes; ETP Outlet (mg/L) 14 ract / daily basis	
13.	In Aeration Tank Additional paran Parameters Ammonia Nitroge Domestic Sewag Total number of the Unit Whether sewage process effluent? Method of Sewag If STP exists	MLSS (n neters for GPIs lo n te Treatment employees work line is segregated te Treatment/ Dis	ing in	2997; ML n Yamuna EIP In 96 200 (in workers Yes. Ho	main stem sta let (mg/L) acluding cont i) owever, sewag provement.	tes; ETP Outlet (mg/L) 14 ract / daily basis	
13. J	In Acration Tank Additional paran Parameters Ammonia Nitroge Domestic Sewag Total number of the Unit Whether sewage process effluent? Method of Sewag If STP exists Consented Discha	meters for GPIs longer Treatment employees work line is segregated to Treatment Disarge of Sewage	ing in from	2997; ML n Yamuna ETP In 96 200 (in workers Yes. Ho need im Septic 7 No 2.0KLD	main stem sta let (mg/L) necluding cont i) owever, sewag provement. ank	tes; ETP Outlet (mg/L) 14 ract / daily basis e collection system	
113. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	In Acration Tank Additional paran Parameters Ammonia Nitroge Domestic Sewag Total number of the Unit Whether sewage process effluent? Method of Sewag If STP exists Consented Discha	MLSS (n neters for GPIs lo n te Treatment employees work line is segregated te Treatment/ Dis	ing in from	200 (in workers Yes. Ho need im Septic To No 2.0KLD revised	main stem sta let (mg/L) ncluding cont s) owever, sewag provement. lank	tes; ETP Outlet (mg/L) 14 ract / daily basis e collection system 200 persons, may	

4. Solid Waste Generation	Solid Waste Generation and Disposal				
Sources of solid waste go	Production Process wa residues, ETP Studge	ste, Buffaloes			
Whether the unit has Ren	lering Plant? Yes.				

Method of handling of hoofs, horns and similar wastes	Converted in sale-able by-products, through Rendering Plant
ETP Sludge Dewatering system	Sludge drying beds and Filter press installed.
Whether Logbooks for Solid Waste Generation and disposal maintained?	Yes. Last three months (Oct.2023 to Dec.2023) logbook data was provided. Total of each month: Oct.2023 =10125kg. Nov.2023=10340kg. Dec.2023= 9250kg.
Average Solid waste generated	381 kg/day.
Mode of Hazardous waste disposal / Disposal through TSDF site	TSDF Site through Bharat Oil & Waste Management. Form-10 provided

15,	Air Pollution – Emission Sources & Control System	Sources of air pollution –One (1) Boiler of 3.0TPH. Total No. of Boiler: 1 (operates only General shift) Fuel: Bagasse and Bio-briquettes. Consumption = 2.5 TPD Stack (Chimney) Height = 33Mtr. Ash generation 200kg/day (estimated-8% of fuel consumption). Log-book not maintained. Air Pollution Control Device; Multi cyclone Stack Monitoring carried by UPPCB. Results & Standards; 1 -Flue Gas Velocity: 6.4 m/s. 2-Particulate Matter (PM) mg/Nm3 = 48.8. Standards = 80 mg/Nm3
16.	Plastic Waste	Broken plastic crates are disposed with hazardous waste, to TSDF site. Empty drums are used for filling of Tallow and Bone meal.

 Groundwater Analysis Report- Quality of Groundwater is compared with Bureau of Indian Standard (BIS) Drinking Water — Specification (Second Revision) IS 10500: 2012.

Celour	рH	Total Alk	Total Hardness	COD	TDS	CF	P	NO <sub>3</sub>	5O <sub>4</sub>	Conductivity
06	7.3	504	461	09	2328	878	BDL	7.84	140	3870

	Sampling	L Strain	neters	(all va	lines as	se in rac	era drain) g/l except (	Civil of	TWV.	
	location	pН	BOD	COD	TSS	TDS	The second second second	Annual Control of the		-
	Up Stream	6.78	70	216	186	1182	Sulphate 56	Nitrate 3.08	Phosphate 2.28	Sulpi
	Down Stream	6.21	90	265	220	1305	62	3.66	2.94	0.0
	*All paramet	ers are	in ma//	except	лH					
19.	By-pass (if	any): N	lo by-p	ass wa	s four	d,				
0.	Analysis Re	eport (	и Бу-	pass :	Not ap	plicabl	e.			
	iii. Unit under iv. Unit i for ty maint v. Speci	has obta Water has obta wo Boro ained di fic fresh	supple ained fr Act and sined N ewell. I aily log h water 3.64 an	ment; u om UP I Air Ac IOC for Flow m book, consum d 3.46,	Pollut of for s fresh neters aption respec	utfaloes tion Cor laughter water al found in and effl tively.	s live stock atrol Board ing of Buff bstraction in astalled at	as raw m: , valid (u faloes, from UP o outlet of	al (MBM), Taterial, p to 31.12.20 Gr. Water D both bore	027) ( epartn wells
	vi. Unit 1 600Ki separa Two	has inst LD. E' ttion), I stage I	talled f IP cor qualiza Biologic	isist o ition Ta al Aer	f Prin inks-2r robic (	Continue nary (N nos., F (activate	Mechanical/ Physico-che ed sludge)	automatic mical (D. process	g design ca Screens : AF and Tub comprising	for de settl
	vi. Unit 1 600Kl separa Two acratic Filtrat	has insi LD. E' stion), I stage I on tank ion. ed efflue	talled I IP con equalization siologication s (two	isist o ition Ta ial Aer in seri	f Prin inks-2r robic ( ies) an	Continue nary (N nos., F (activate id two	Mechanical  Physico-che ed sludge)  secondary	automatic mical (D. process clarifiers	AF and Tub comprising and Media	for de e settl of th press
	vi. Unit 1 600Ki separa Two acratic Filtrat vii. Treate observ	has insi LD. E' stion), I stage I on tank ion. ed efflue	talled f IP cor qualiza Biologic s (two ent from e black	isist of ition Ta al Aer in seri ETP of patches	f Prin inks-2r robic ( ies) an	Continue nary (N nos., F (activate id two	Mechanical  Physico-che ed sludge)  secondary	automatic mical (D. process clarifiers	AF and Tub comprising and Media	for de e settle of the press
vi	vi. Unit 1 600Kl separa Two acratic Filtrat vii. Treate observ applica iii. Analys compl	has insi LD. E' ation), I stage I on tank ion. d efflue ed som ation of sis resu lying w.	talled If IP con- iqualiza iologic s (two ent from e black effluen lts of s r.t. BO	isist of ition Table al Aer in seri in ETP of patches it. amples D (55 i	f Prin anks-2r robic ( ies) an sutlet, o s and a from mg/l, a	Continue mary (A nos., F (activate id two discharg affected ETP ou gainst di	Mechanical  Physico-che ed sludge) secondary red in to DI area/ saplin  tilet indicat ischarge no	automatic mical (D. process clarifiers handera di ngs in gre	AF and Tub comprising and Media rain. Inspec- en belt, due	for di e settl of th press tion te to exc
vi	vi. Unit 1 600Ki separa Two seratio Filtrat fii. Treate observ applica iii. Analys compl ix. Boiler x. House channe	has insi LD. E' ation), I stage I on tank ion. d efflue ed som ation of sis resu lying w. ash was keeping	talled if TP core qualize Siologic s (two ent from the black effluen lits of s r.t. BO to in ETI	isist o ation Tatal Aer in seri ETP of patches t, amples D (55 r on own P area	f Prin anks-2r robic ( ies) an sutlet, o s and a from mg/L a; n land, was no	Continue nary (A nos., F sectivate d two discharg effected ETP ou gainst di for disp st satisfa	Mechanical Physico-che ed sludge) secondary sed in to Di area/ saplin atlet indicat ischarge no osal actory, Ove	fautomatic emical (D. process clarifiers handera di ings in gre the that tre erm 30 mg	AF and Tub comprising and Media rain. Inspec- en belt, due sated effluen (1).	for de settle of the press tion te to except is not a contract in the contract
vi	vi. Unit 1 600Ki separa Two aeratio Filtrat vii. Treate observ applica iii. Analys compl ix. Boiler x. House channe xi. Unit ha iii. Conse	has insi LD. E' ation), I stage I on tank ion. d efflue ed som ation of sis resu lying w. ash was keeping el.	talled I TP core qualiza Biologica s (two ent from the black effluen lts of s r.t. BO s stored in ETI tained g ischarg	issist of a strict of the series of the seri	f Prin anks-2r robic ( ies) an autlet, a s and a from mg/l, a n land, was no	Continue mary (A mos., F (activate d two discharg effected ETP ou gainst di for disp of satisfa de its pn	Mechanical  Physico-che ed sludge) secondary red in to DI area/ saplin  tilet indicat ischarge no osal, actory, Ove	automatic mical (D. process clarifiers handera di ings in gre te that tre erm 30 mg	AF and Tub comprising and Media rain. Inspec- en belt, due sated effluent (1).	for de settle of the press tion te to except is not the content of
vi	vi. Unit 1 600Ki separa Two seratio Filtrat fii. Treate observ applica iii. Analys compl ix. Boiler x. House channe ti. Unit ha iii. Conse revisea iii. Ammo	has insi LD. E' ation), I stage I on tank ion. d efflue ed som ation of sis resu lying w. ash was keeping el. as main nted di d to 5.0 nia gas	talled if IP con- iqualization iqualization idualization	issist of attention Table at Aer in seri in se	f Prin anks-2r robic ( ies) an sutlet, of s and a from mg/L an land, was no ca inside ewage	Continue nary (A nos., F sectivate d two discharg effected  ETP ou gainst di for disp t satisfa de its pre 2.0KI	Mechanical Physico-che ed sludge) secondary ed in to Di area/ saplin atlet indicat ischarge no osal, actory, Ove emises and D is too	automatic mical (D. process clarifiers handera di ngs in gre te that tre rm 30 mg rflow wa outside a less for	AF and Tub comprising and Media rain. Inspec- en belt, due ated effluen (I).	for de e settle of the press tion te to exce t is not ry wall ns, ma

- Unit did not have separate flow meters and log-books for water consumption in Process, boiler and domestic.
- 3) Log-book of carcass waste, bones and boiler ash generation was not provided.
- 4) Unit representative was not aware with Public Liability Insurance (PLI) provisions.

### 22. Compliance Status

As per Discharge norms: Non-complying (w.r.t. BOD)

Overall compliance status: Non-complying

#### 23. Recommendations:

Unit shall operate ETP properly so as to comply with discharge norms.

 Unit shall get repaired at the earliest, the OCEMS installed at ETP outlet and ensure 24x7 connectivity with CPCB/UPPCB servers for continuous monitoring.

 Unit shall maintain log-book of carcass waste, bones and boiler ash generation on daily basis.

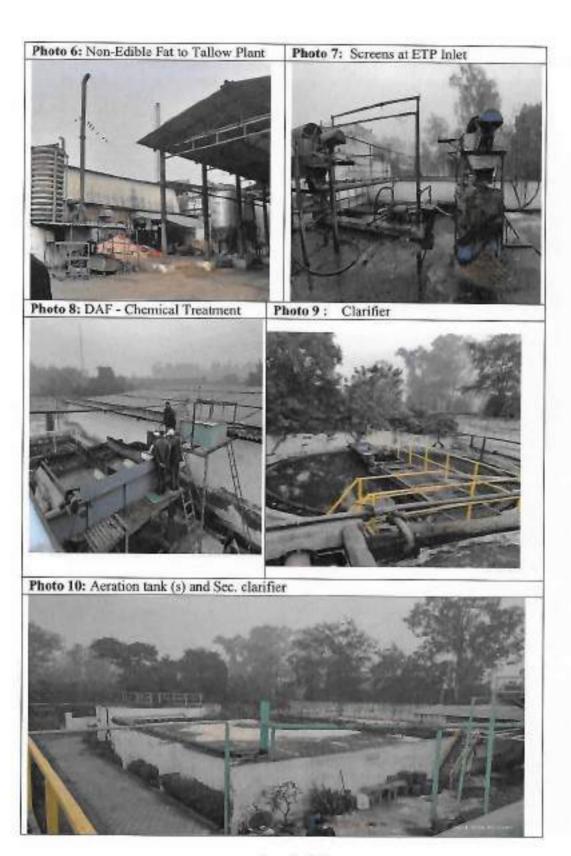
 Unit shall install separate flow meters and maintain log-books for water consumption in Process, boiler and domestic

5) Unit shall implement Public Liability Insurance (PLI) provisions as per the law.

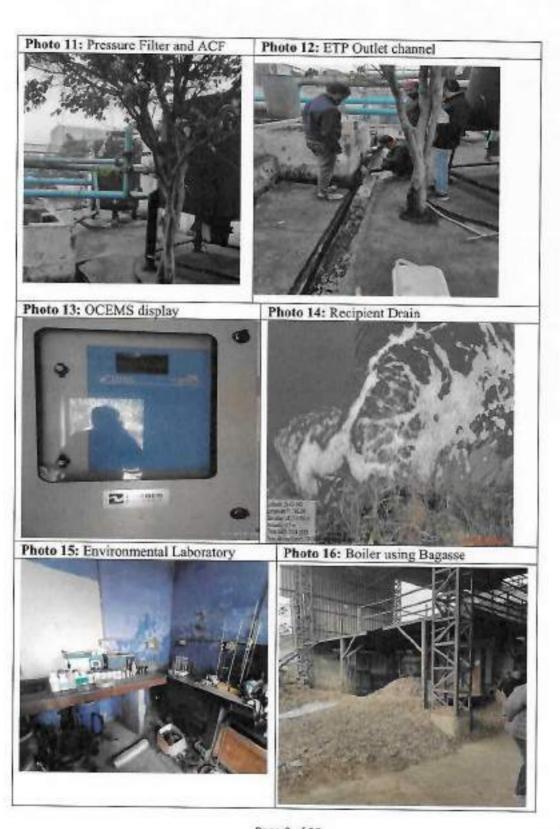
Sr.	ction team details:			
No.	MoEF&CC and CPCB officials	Designation	Organisation	Signature with
	Dr. A.K. Gupta	Additional Director	MoEF&CC Lucknow office	une
Z.	Mr. C.B. Chourasia	Scientist E	CPCB, Delhi	Benson
3.	Dr. Vivek Rana	RA-I	CPCB, Delhi	Ware.
4.	Mr. Muktesh Chaudhari	SRF	CPCB, Delhi	
Sr. No.	SPCB/SMCG officials	Designation	Organisation	Signature with
1.	Mr. Y.K. Mishra	AEE	UPPCB	Was /
2.	Mr. Diwakar Gahlaut	JRF	UPPCB	(Se)
3.	Mr. Pushkar Singh	TA	UPGWD	4



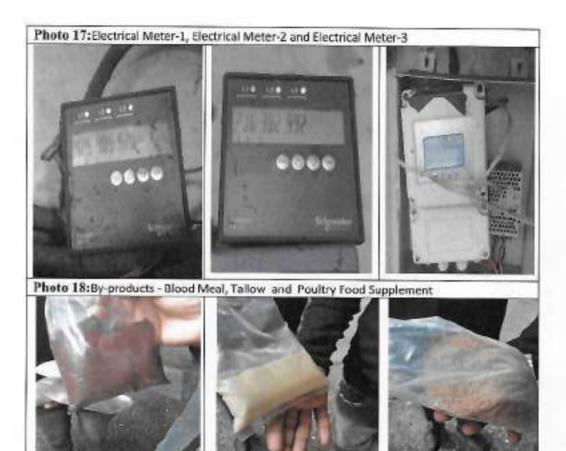
Page 7 of 10



Page 8 of 10



Page 9 of 10





Page 10 of 10



### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831, Fax: 0522-2720764, Email: Info@ppch.in, Website: www.appch.com

169650/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2022 Date: 30/12/2022

To.

M/s

AL NOOR EXPORTS

Vill-Shernagar 9th jansath Road Muzaffarnagar, U.P, MUZAFFAR NAGAR, 250001 Application Id-18578495

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to AL NOOR EXPORTS located at Vill- Shernagar 9th jansath Road Muzaffarnagar, U.P, MUZAFFAR NAGAR, 250001. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:-

I. This CCA AL NOOR EXPORTS granted for the period from 01/01/2023 to 31/12/2027 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	BY PRODUCT MEAT BONE MEAL AND TALLOW	60	Metric Tonnes/Day
2	FROZEN MEAT FROM SLAUGHTERING OF BUFFALO 600/DAY	100	Metric Tonnes/Day

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	2.0 KLD	Septic Tank	SEPTIC TANK
Industrial	480 KLD	ЕТР	IRRIGATION/GA RDENING PURPOSES AND EXCESS WATER INTO DHANDERA DRAIN

(ii) Trade Effluent Treatment and Disposal: The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality. In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:

### Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	COD	AS PER E(P) RULES, 1986
2	BOD	AS PER E(P) RULES, 1986
3	pH	AS PER E(P) RULES, 1986
4	OIL AND GREASE	AS PER E(P) RULES, 1986
5	TOTAL SUSPENDED SOLIDS	AS PER E(P) RULES, 1986

- (iv) Sewage Treatment and Disposal:- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- (v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards	ì

### 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

### Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	3 TPH BOILER with MULTI CYCLONE	BIOMASS/ AGRICULT URE REFUSE AND PELLETS/B RIQUETTE S-6 MT/DAY (ONLY APPROVE D FUEL BE PERMITTE D AS PER CAQM DIRECTIO N	01	Particulate Matter	33 METER STACK HEIGHT FROM GROULD LEVEL

2	1 X 1680 KVA DG SET	DIESEL	01	Sulphur Dioxide	8.5 METER STACK HEIGHT ABOVE FROM NEAREST ROOF LEVEL
3	1 X 1270 KVA DG SET	DIESEL	01	Sulphur Dioxide	7.5 METER STACK HEIGHT ABOVE FROM NEAREST ROOF LEVEL
4	1 X 850 KVA DG SET	DIESEL	01	Sulphur Dioxide	6.0 METER STACK HEIGHT ABOVE FROM NEAREST ROOF LEVEL

### **Emmission Quality Standards**

S No.	Stack no	Parameters	Standards
1	01	Particulate Matter	AS PER E(P) RULES, 1986
2	01	Sulphur Dioxide	AS PER E(P) RULES, 1986
3	01	Sulphur Dioxide	AS PER E(P) RULES, 1986
4	01	Sulphur Dioxide	AS PER E(P) RULES, 1986

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

- (ii) The unit will not use any type of restricted fuel.
- iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	10000000	strial rea		nercial rea		lential rea	7,1500	Silence Zone	
		Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	
	75	70	65	55	55	45	50	40	

- 4. Essential documents to be submitted by the Industry/Unit as Applicable :-
- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- 5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.

- 7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated 13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upecp.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.
- 8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

### General Conditions:-

- The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit,
- Treated Industial waste water and domestic waste water shall be disposed jointly at one disposal point.
   The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
- The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point.
- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

### Specific Conditions:-

I. This CTO is valid only for the production capacity of FROZEN MEAT- 100 MT/DAY FROM SLAUGHTERING OF BUFFALO- 600 NO./DAY AND BY PRODUCT MEAT BONE MEAL AND TALLOW- 60 MT/DAY at site VILLAGE-SHERNAGAR, 9TH K.M., JANSATH ROAD, MUZAFFARNAGAR.

- 2. The unit must deposit the Balance Environmental Compensation of Rs- 30,00,000/- (Rs. Thirty Lacs Only) within one month to the Board failing which CTO shall be automatically deemed revoked after one month time. It is further clarified that this CTO will be valid only from the date of deposition of Environmental Compensation in the Board's Account.
- The industry must complied the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- This consent order will be subject to the compliance of order passed by the Hon'ble N.G.T. in O.A. no.231/2014 and O.A. no. 66/2015 (Doaba Paryavaran Samiti Vs. State of U.P & Ors.) and application No. 19/2018(M.A no.172/2018).
- The industry shall ensure to comply the the Hon'ble Supreme Court in the Writ petition (Civil) no. 309/2003 Laxmi Narayan Modi v/s Union of India and others in the case of Slaughter Houses.
- 6. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.
- 7. The unit should follow the various provisions of "REVISED COMPREHENSIVE INDUSTRY DOCUMENT ON SLAUGHTER HOUSES" issued by Central pollution Control Board in October 2017 and will submit the action plan for reduction in water consumption within 3 months.
- 8. All the slaughtered meat produced by slaughter house shall be supplied to its integrated frozen meat unit. The prior permission from U.P. Pollution Control Board is required if the slaughtered meat is to be given to other frozen meat unit for processing.
- Industry shall submit Analysis/Emission report from MOEF&CC or UPPCB approved lab within a month after issuing this certificate and on quarterly basis to the Board.
- 10. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 11. The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 12. The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 13. Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
- 14. The industry shall install and maintain electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 16. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 17. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 18. The industry shall operate 3 TPH Boiler with MultiCyclone and 30 meter stack height. Fuel for Boiler is BIOMASS/AGRICULTURE REFUSE AND PELLETS/BRIQUETTES-6 MT/DAY be permitted as per CAQM direction. Fuel for DG sets is permitted as per direction given by CAQM. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P. Act 1986 as amended.
- 19. Industry shall submit the report on 24 compendium point for slaughter house units regularly to the Board.

- 20. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM at point no. 65.
- Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 23. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 25. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 26. DG sets under 800 KW have been fitted with Dual fuel system (70 % Gas + 30 % Diesel). For Capacity of DG Sets (>298 kW to <800 kW)' where authorised/certified agencies for RECDs are still not available provision of dual fuel system (70 % Gas + 30 % Diesel) in such DG Sets shall be considered as part compliance of the Directions No 54 to 57 dated 08.02.2022 and use of DG Sets shall be permitted for maximum 01 hour per day till September 30, 2023, in areas where gas infrastructure is available' as one-time as per CAQM direction dated-16.12.2022.
- 27. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 28. The industry shall maintain and operate bio filter properly so that no odour problem is created in the within premises and outside premises.
- The industry shall ensure the proper handling and disposal of dung and ingesta.
- 30. The industry shall install a salt recovery unit at hide preservation section.
- 31. Industry shall submit stack/ambient air quality monitoring report from Boards Laboratory, after issuing this certificate within one month and on quality basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 32. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 33. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 34. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 35. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 36. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 37. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P. Rules 1986.

- 38. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 39. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 40. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/fuel/ Plant machinery failing which consent would be deemed void.
- 41. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 42. Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 43. The unit shall submit the audited balance sheet for the current year,
- 44. The industry shall establish Miyawaki forest inside the factory premises and outside the premises in sufficient area the treated effluent from the ETP shall be used for forestation.
- 45. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppeb.com/pdf/Green-Belt-Guidle 160218.pdf.

ABHISHEK TRIPATHI HERDE DE 100 ANDERS DE 100

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

ABHISHEK TRIPATHI (1994) (1994

Chief Environmental Officer (Circle 3)



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Ref. No: 11652/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2020

Dated :18/09/2020

To.

M/s AL NOOR EXPORTS

Vill- Shernagar 9th jansath Road Muzaffarnagar, U.P,MUZAFFAR NAGAR,250001

Tehsil:MuzaffarNagar

District :MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 11652 and 18/09/2020.
- Reference of application (No. and date) 8196698 and 21/06/2020.
- Mr ANAND SAINI of M/s AL NOOR EXPORTS is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at within premises.

### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules LII and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
l	Schedule-I, Cat. 5.1 Used or spent oil	Through TSDF	2 KL/Annum
2	Schedule-I, Cat. 5.2 Wastes or residues containing oil	Through TSDF	3 Ton/Annum

- The authorization shall be valid for a period of 17/09/2025 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.

- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to with stand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 4- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 5- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 6- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 7- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within

fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.

- 8- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 9- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 10- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 11- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule-6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 12- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 13- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 14- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 15- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 16- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 17- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 18- Ground water monitoring report of premises shall be submitted within one month.
- 19- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

(Authorized Signatory) Digitally signed by Nishi Kumar

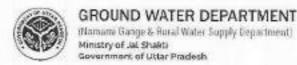
Nishi Kumar Chauhan Chauhan Date: 2020.10.01 12:57:27 105'30'

### UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Muzaffarnagar for information and necessary action . Nishi Kumar Digitally signed by Nishi Kumar Chauhan

Chauhan

Date: 2020.10.01 12:57:43 +05'30"



#### Form 3 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Uniter Section 14 of the Ultur Pradesh Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO:

VALID FROM 28/04/2022 TO 27/04/2027

Name of the Applicant	PROVA 8453		
Address of the Applicant:	STEASPHOLSE DEVILOPMENT AREASONS ASSAULT	Category of Farmer	
Congrey Name:	AL NOOR EXPORTS	Company Address	VILLAGE-MEEN/AGAR MEZAPTARNAGAR
Servid No. of Application Escap	MZFN032258Nitjul	Date of Nationalists	411/03/2022
periones Signature of the Units			
Location proficulars:			
Notes	Muralin Nagar	Block	Managol Cripomia Naga Paka Pankat Mouli Naga
Ma. No		Plot No.	VILLAGE SHRINMAR
description Corporation	Bu	Ward No.	NA
lickling No.			NA
Eate of Waterweyl (re)/first	n.m	State of Exergisation Cla. Case of Electric Paragi	2903/2005
Particulars of the Proposed Well and Pumpio	g Desire		
lips of the Well	Table Well-Thomas	Pargine of the Well	Volume
toundly har (for Tale Well)	1) (0)	Squares, Steamer Lengths Far Dabe Well)	000
Syzotos that the Wells	1100	Type of Pump to the Used:	Submittalia
LP, of the Propp:	196	Operational Beside	Electric Name
Gavienno Allevolde Katelof Waltsdrawal (ar.l/br.);	8118	Maximum/dlawed& Reading Heavy Per Day:	400
Series Alberthe Search Extraction of Grand V	fator)		Nation 30)

The Notifician instance influences for owner applicant courts into a not in the location specifical SECT for references (ground water storage as constant a security of the continue of ground water in SECTION and it in the profession of the continue of ground water in showing SECTION and it is not the continue of the continue of ground water in SECTION and it is not the continue of the continue of ground water in SECTION and it is not the continue of ground overline.

Max

Desc

Years Fastingly Nempower of the love and Deservan

#### GENERAL CONDITIONS:

Newton on things of committing of the proposed well. Both conferences by so be obtained.

No change of location, during rate of wildows and persons developer or respect of the proposed well attracted at \$1.00 and \$1.00 an

Address: the designation the region shall find to contribute of facing control.

The period of the precision Ladwendow Hamilton to the applicate titles applicate the region of the region of the precision Ladwendow Hamilton to the applicate titles applicate to recognize the region of the region o

The Continuous formation of the state for a property of the second secon

in relation.

Construction of parameters and existing out of departments in facilities and relative to the parameters of the second of the parameters of the second of the parameters of the second of

· Grideline for hundrature of Picconeters and their Monitoring

Processor in the event fighty-of and such for managing the main land to know ing the rapid countries made level measuring apopulous. It is also used to take were completed managinate of processors against the countries of the countries of processors against the countries of the cou

- Despendents reserved by contracted at the meanward of a choice from the purpose soft through which provide user to being multiples of the determinant of the province of the posteroid states.
- The displaced by presented the same on a race of the present, with time which ground water at food abstracted. If, more than the presentation are smalled the causal previous contents to the shallow ground other legate. It will further than the contents of the displaced water again for mentioning.

  No of precise may be constructed & Trye of water level measured managemental to rapid below table.

  No of precise may be constructed & Trye of water level measured managemental to rapid below table.

  No of precise may be constructed & Trye of water level measured managemental to rapid below table.

5N <sub>0</sub>	Common of Ground water widelings of Lourndon)	No of prevention required	Nontries Michigan		
		The confidence of the confidence	Manag	DWI.R sook Transact	
-	- 10		4)	- 10	
7	11 - 50		1		



The measurement of requiring counter of income and occurred the process of the approximation of the measurement of requiring process of the measurement of requiring counter or automatic water level recentler (AWLR) The process water level recentler (DWLR) with before requirement of water level or given decided to use of the recentler (AWLR) The measurement of water level or given decided to use of the recentler of water level or given counter through the first property from the currentles golds with the term report of the first of the first property of the decided to given a gold of the first of the first property of the first of the

Astrother of la casa, any

- In case, any of the particulars I reformation formation for applicant in the applicant on the conserver of the permit is found in the automat during verification at any subsequent rings. See SECTION CONDITIONS:

  (A) For Industrial Chart. No Discourse Contributes the granted want extraction by subserver shall be granted indy and only the charted property of the desired quantity of nature.

  (b) All references Contribute which the granted only in much cancer when been expected on a granted make as a perfect of the property of nature.

  (c) All references obtained and the granted only in much cancer when been dependence on granted makes as a subserver of the property of nature.

  (d) All references administrating granted wanter in concern of 180 m3/6 challes required to and extract cancer was a subserver of the property of the desired property of the desired property of the desired property of the property of the desired property of t

(B) Infrastructural User: The No Objective Cuttificate for ground water characters will be guarted sold just to the following specific conditions:

(b) case of infrastructure projects first expect developing, proposed daily be separated to convey our explainment of developing and believe the terms of selections or reported to the control of the cont

Course Course Transferred by Deposit Ground Was Management of two years, for improved an expensed by Deposit Ground Was Management (I) the expenses of Servage Transferred Flacts (STF) shall be mandatory for one projects, where ground water required to require the reaction Therefore STF shall be unliked the finding, nor receiving, gardening on

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापत्ति प्रमाणपत्र किशी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावतीकन के उद्देश्य से प्रयोग किया जाना चाहिए।



#### Form 8(C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Masagement and Regulation Act, 2015.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: VALID FROM 28/04/2022 TO 27/04/2027

Name of the Applicant	PRIYA SUD		
Address of the Applicant:	4/H, SAFDARIUNG DEVELOPMENTAREA, HAUZ KHAS,	Category of Farmer	
Campany Name.	ALNOGR EXPORTS	Campany Address	VILLAGE SHEE NAGAR MUZAFFARNADAR
Serial No. of Application Form	NRFNG22NIN0H3	Date of Submission	8509/0002
Specimen Signature of the User:			
Location particulars:			
Diamics	Mazaffa Nagis	Block	Managasi Cospective Nagar Palika Paradad, Neosfler Nagar
II. No		PitNs	VILLAGE STEER NAGAR
Manicipality/Corporation	No	Ward No.	NW
Holding No.			NA
Rate of Widodrowal (m3/km)	42:00	Date of Energization (In Case of Electric Fomp)	3000/2012
Particulars of the Proposed Well and Pumph	ng Device:		
Type of the Wall	Tree Well-Borag	Purpose of the Well	Industrial
Assembly Size (Far Take Well)	6000	Approx. Strainer Langua (Far Tube Well)	11.00
Disassine (For Deg Welf)	0.00	Type of Pump to be Used:	Subsecratio
ICP, of the Persp:	7.50	Operational Device	Electric Means
Maximum Allowable Hate of Widodrawal (m2fm.):	4000	Maximum Allowable Burning House For Day:	1.01
Merimore ABorrable Annual Extraction of Granul V	Netol:		112800 00

The No. Object or configure configure configure configure (power) in arch a well as the location specified at \$1. (1) to consistent of grown water at a tax and expecting that at above at \$1.(3)), for Barring Flores per day at flower at \$1. (3), and for accounts all evable consist disconnected or at a tax and expect of the above at \$1. (3). For Barring Flores per day at flower at \$1. (3), and for accounts all evable consists disconnected or at a tax and examine at a second or at a tax and example of the above at \$1. (3), for Barring Flores per day at flower at \$1. (3), and for accounts all evables consists of providing the second of the above at \$1. (3), for Barring Flores per day at \$1. (3), and for accounts all evables consists of providing the second of the se

Date

Years Paint life Signature of the linning Authority and Designation

#### GENERAL CONDITIONS:

In pass along therego of execution of the proposal well, flight subjected has be obtained.
 No change of location, change, unto of withdrived and purpose fever in respect of the proposal well as estimated of SL (2) and (3) of this certificate shall be made written proc purposes of the Computer.
 For the purpose of measuring and correcting the quantum of ground water subsection, every need ager shall affect digital mater have maken (understooding to BES TE standards) for any absence of the propose purposes.
 For the purpose of measuring and correcting the quantum of ground water whose is not it shall be presented from the material purpose of the standards of every sold ager and the first appropriate of every sold ager and the purpose of the control of ground water from the value of shown in some life between the standards of every improved.
 The reserved Authority returns the sighten case provides the following the purpose of the control of any change of controlling of the assisting well, finds represented the controlling of the standards of the assisting well, finds represented the controlling of the controlling of the assisting well, finds represented of the controlling of the controlling of the controlling of the assistance of the controlling region and presented or region and presented of the controlling region and the application.
 No change of forcions, change and of withdrawal and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and presented or region and region and the region and the region and the region and the region and the region and the region and the region and the region and region and region and region and region and regi

for cases below.

- The Certificate of Authorization 1900; shall be railed for a period of five years from the date of mass. The applicate shall have to apply for reserved decough a fixed application, at least empty days private expery of

ter under Commence of parameters and critical micro of digital water level recorders with infrared by anothers for user. Depth and come tapped of parameter decode to commence with that of the parameter for all the state of parameters and commence of parameters and the commence of the parameter of the state of the st

. Guildian for Installation of Necometers and their Monitoring

Protection is a horizontal index well used only for recogning the motor tried by foreign the topal assention or automatic water level measuring equipment. It is also used to take water sample for water quality leading when ever world. General gradelines for material assent of processions are as follows:

- The piercements is to be metalled/constructed at the recommen of \$9 on distance Great the pumping well drough which ground water is being withdrawn. The classical of the piercements about 4" in
- The depth of the presences should be some as an asset of the purpose well from which ground vacer is being shoulded. We note that one parameters are regarded the second preparation about months of the best of the parameters and the parameters are regarded to the parameters and the parameters are regarded to the parameters are reparationally as the parameters are reparationally

SNo Que	Quantum of Ground water widelested (casalday)	Ne of pirosonitors required	Moretree Machinesis		
	4.3	1.500 protestino agenta	Manual	DWER with Toloriday	
I.	≤ 30			0	
2	11 = 50	1	1	0	

1	58-500	1	0	1	
a .	>500	1	0	1	

> 500 2

• The seasoning frequency should be morefully and according of reconstructed should be up to an observation of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of south and the seasoning of seasoning of south and the seasoning of seasonin

- In tack, my of the particular information interaction by independent and be ground enlying upon the following specific conditions:

  SECTIFIC CONDITIONS:

  (A) For Industrial User: No Objection Configurate Autor state along continuous and the ground enlying upon the conditions:

  (a) No Objection Configuration for the property in such court where local government water supply agrees not notable to apoply the desired consisting of water.

  (a) All information shall be required to adopt him outs affected and adopted as an involve dependence on ground water substance (CII) Full analysis before Chamber of Contaction and Industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Chamber of Desired All industrial (CII) Full analysis before Contaction in the Desired All industrial Desired All industrial (CII) Full analysis before Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction of Desired Contaction in the Desired Contaction

(B) beliminational Uses: The Ne Objection Conflicts for greated water abstraction will be greated subject to be find only general exceptions:

(b) the case of reflectmentary projects that require deviating, projected that applied to carry out regular mentioning discharge rate being a displat water flow accordance that the data orders to Greated Mater Disputerion. UP as applicable. Nonlineing second and considerable to required by the proposes the two years, for importance or regarding as required by these Crossed Water Management

Control

(i) Irrishister of Sovings Ticonical Plant (STP) stall be autolized for new projects, where ground notes requirement to more than 20 call stay. The water from STP draft be extend for 100st flashing, our weating, gustaining star.

This NOC is not authorized by any Official. This should only be used for Preview purpose. वह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावलोकन के उद्देश्य से प्रयोग किया जाना चाहिए।

### INDUSTRY INSPECTION REPORT (TEXTILE)

A.	General section	Date of inspection: 04.01.2024

1.	Name of the unit with complete postal address:	M/s Sangal Industries Pvt Ltd, 8 Km, Khasra No 71, 72, 72, 83, 84, 85 and 86, Village Humayupur, Pargna and Tehsil Distt Muzaffamagar 251001
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.41752, 77.75749
3.	Industry Operational status	Operational 24 hours (3 shifts of 8 hours each)
4.	Consent status	Consolidated consent to operate & authorization (CCA) dated 19.07.2022 with ref no 159801/UPPCB/MuzaffarNagar/UPPCBRO)/CTO/both/MUZAFFARNAGA R/2022 and valid upto 31.07.2026 Enclosed as Annexure-1

5.	Process	Manufacturing of cotton combed compact yarn through spinning process/ polyster				
6,	Raw material	SOME SOME SHOULD BE SOME SOME SOME SOME SOME SOME SOME SOM				
3	a. Consented value	Not mentioned in consent				
	b. Actual consumption	1756.31 MT				
	(as per logbook)	(from Oct 2023 to Dec 2023)				
	c. Estimated daily consumption	19.09 MT/day				
7.	Production	**************************************				
	a. Consented value	18 MT/day				
	b. Actual Production	1202,40474 MT				
	(as per logbook)	(from Oct 2023 to Dec 2023)				
1	c. Average daily production	13.06 MT/day				
	d. Yield (%)	68.41%				
	e. Estimated waste produce	31.59% i.e. 6.03 MT/day				
8.	line with fine thread) is generated which is sold to local for manufacturing of other textile products like dari.  Waste production from unit i.e. ~32% is in line with losses					
9.	Fresh water consumption					
	a. Details of borewell	02 berewells with no flowmeters				
	<ul> <li>NOC from CGWA/other authorized body</li> </ul>	NOC for all 02 borewells from Ground Water Department, Ministry of Jal Shakti, GoUP under Registration no. 202207000190 dated 18.08.2022 and Reg no202207000191 dated 18.08.2022 and are valid upto 12.07.2027. Enclosed as Annexure-2				
	c. Permitted withdrawal quantity	315 KLD				
	d. Actual withdrawal quantity	No logbook maintained				
10.	Effluent Management	The legislant multiple				
	a. Consented discharge value	Not applicable as unit is running on dry process				
11.	Effluent treatment plant (ETP)- Since unit is running on dry process, there is no requirement of effluent treatment plant.					
12.	Air Pollution management: No b	oiler (with stack) installed as there is no steam requirement				
	a. DG set	1 DG of 250 KVA (standby mode).				
13	b. Fuel	Diesel (as per consent)				

Authorization status	Not obtained
Copy of agreement with recyclers /TSDF	Available with Bharat Oil & Waste Management Ltd. Kanpur
Hazardous waste generated	Used oil, however till date, no waste has been given to TSDF for disposal.

#### Sewage analysis

As per consent, unit is required to treat sewage (2 KLD) through septic tank. However, unit has installed STP of 60 KLD, Samples collected from STP outlet indicate:

Parameters	pH	Color	COD	BOD	TDS	TSS	SAR
Norms as per MoEF&CC dated 13.10.2017	6.5- 9.0			30	*	<100	02
Results	7.0	BDL,	120	37	696	BDL	-01

However, unit uses STP treated water for horticulture purpose.

41.90			7
151	Groundwater	analy	1515

5.	Parameters	рН	Col	COD	TDS	Total Hardnes s	Total Alkalinit V	CI-	SO <sub>4</sub>	P-	NO <sub>3</sub>
	Acceptable limit as per BIS IS 10500:201 2	6.5- 8.5	05	1/2	500	200	200	250	200	01	45
	Results	7.4	BDL	BDL	700	346	416	108	97	BDL	BDL
Ш	Parameters	As	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Sb
	Acceptable limit as per BIS IS 10500:201 2	0.01	0.00	is.	0.05	0.05	0.3	0.1	0.0	0.01	-
10	Results	BDL	BDL	BDL	BDL	BDL	0.09	0.05	BDL	BDL	BDL
П	Parameters	Se	٧	Zn					1000	000	DUL
	Acceptable limit as per BIS IS 10500:201	0.01		05							
ır	Results	BDL	BDL	0.22							

### 17 Major observation & Key issues

- a. Unit has valid consent to operate under Air and Water Act from UPPCB & NOC for groundwater withdrawal from UP Ground Water Department.
- Unit is engaged in manufacturing of yarn through spinning process. (consented-18 MT/day; actual- 13.06 MT/day)
- c. Unit has not obtained Hazardous waste authorization from UPPCB. Although, unit has agreement with Bharat Oil & Waste Management Ltd. Kanpur for hazardous waste (used oil & empty barrels) generated from process.
- d. Unit has started its operations in October, 2023, hence, no hazardous waste has been provided to TSDF till date.
- Since unit is running on dry process, no wastewater is being generated and there is no requirement of ETP.
- Since there is no steam requirement, no boiler and Air pollution control devices (APCD) are installed.
- g. As per consent, unit is required to treat sewage through septic tanks, however, unit has installed 60 KLD sewage treatment plant (STP).
- Unit uses STP treated water for gardening purpose within premises.

Key issue:

- a. Unit has not installed flowmeter at borewell, STP inlet & outlet.
- b. The unit did not obtain authorization under H&WM Rules, 2016 for disposal of waste spinning oil.
- Considering manpower strength of approx. 210 nos., 2 KLD consented value of sewage is too less, may be revised.

#### 18 Compliance Status

Complying: Since unit is running on dry process, there is no effluent generation & discharge, Therefore, no discharge standards are applicable.

#### 19 Recommendations:

The unit may be recommended to:

- 1. Obtain authorization under H&WM Rules 2016 from UPPCB.
- Install electromagnetic flow-meters at both bore wells& maintain logbooks properly for freshwater consumption on daily basis.
- Install electromagnetic flowmeters at STP inlet & outlet and maintain the record for the same.

21	Sr. No.	Name of officials	Designation	Organisation	Signature
	1.	Dr Preeti Tripathi	Sc D	MoEF&CC	
	2.	Er. Manu Jindal	Scientist-B	CPCB, Delhi	Morne Huden .
A CONTRACTOR OF THE PERSON NAMED IN CONT	3.	Ms. Garima Dublish	RA-III	CPCB, Delhi	haines
	4.	Mr. Ashwani K. Singh	RA-II	CPCB, Delhi	Ashisam
	5,	Mr N.M. Tripathi	ASO	UPPCB	Musc.
	6.	Mr Yashpal Rawat	FA	UPPCB, SRE	4. Singh

### **Photographs**







Photo 2: Raw material



Page 4 of 4



#### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831, Fax.0522-2720764, Email: infistrappeds sone, Website: 9-www.appels.com

### 159801/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAGAR/2022 Date: 19/07/2022

To.

M/s

SANGAL INDUSTRIES PVT LTD

8 Km, Khasra No. - 71,72,73,83,84,85 And 86 Village - Humayupur, Pargana And Tehsil Distt. - Muzaffarnagar (U.P.),MUZAFFAR NAGAR,251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

Consent No-16978160 Date-19/07/2022

CCA is hereby granted to SANGAL INDUSTRIES PVT LTD located at 8 Km, Khasra No. - 71,72,73,83,84,85 And 86 Village - Humayupur, Pargana And Tehsil Distt. - Muzaffarnagar (U.P.), MUZAFFAR NAGAR, 251001. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:-

 This CCA SANGAL INDUSTRIES PVT LTD granted for the period from 19/07/2022 to 31/07/2026 and valid for manufacturing of following products with Capital Investment/Net Assets Values 1800.00 Lakhs

S No	Product	Quantity	Unit
1	Cotton Combed Compact Yarn/Polyster (MTD)	18	Metric Tonnes/Day

- 2. Specific Conditions under Water Act :-
- (i) The daily quantity of effluent discharge (KLD) :-

Kind of Effulant	Quantity(KLD)	Treatment facility and discharge point
Domestic	2.0	Septic Tank

(ii) Trade Effluent Treatment and Disposal: The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:-

1	ndustrial Effluent Quality S	Standard
S.No.	Parameter	Standard

- (iv) Sewage Treatment and Disposal: The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- (v) The treated sewage shall be reused in gardening and the same shall be maintained continuously so as to achieve the quality of the treated effluent to the following standards.

10111000			
S No.	Parameters	Standards	

Conditions under Air Act :-

The applicant shall use following fuel and install a comprehensive control system consisting of control
equipment as is required with reference to generation of emissions and operate and maintain the same
continuously so as to achieve the level of pollutants to the following standards

Air Pollution Source Details						
S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack	
1	DG Set 250 KVA	Diesel	01	Particulate Matter	4.0 M. high from Nearest Rooftop	

Emmission Quality Standards					
S No.	Stack no	Parameters	Standards		
1	01	Particulate Matter	As per E.P. Rules		

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

ii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

(iii) The unit will not use any type of restricted fuel.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

- 6. Compulsory documents to be submitted by the Industry/Unit :-
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Third Party Audit Report.

- (ii) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (iii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- 7. Unit has to apply for renewal of CCA well in advance of 60 days of expiry of this CCA.
- 8. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 9. Unit has to comply with the other general conditions as annexed herewith. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 10. In compliance to the G.O dated 1011/81-7-2021-09 (Writ)/2016 dt.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upecp.in/TrainingSession.aspx for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent shall be revoked by the Board.
- 11. The industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO shall be revoked.

ANKIT Digitally signed by ANKIT SINGH Date:
SINGH 2022.07.19
18:12:33 + 09:30\*

Regional Officer UPPCB, Muzaffarnagar

Copy to:

Regional Officer UPPCB, Muzaffarnagar

Annexure

#### Specific Conditions

- 1. Unit shall not discharge any kind of industrial effluent. This consent is valid for only domestic discharge.
- Industry shall comply with various Waste Management Rules as notified by MoEf&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016.
- 3. Industry shall abide by directions given by Hon'ble Supreme Court, High Court, National Green Tribunals, Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Commission for Air Quality Management in Delhi-NCR and Adjoining Areas for protection and safeguard of environment from time to time.
- 4. Unit should develop minimum green belt 20 meter wide around premises or 33% total area of land whichever is minimum, covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II- 16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppeb.com/pdf/Green-Belt-Guidle 160218.pdf. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upeep.in/TrainingSession.aspx.
- Exhaust stack of DG set of 250 KVA should have 4.0 meter high above nearest roof top. For control of noise, acoustic enclosure should be installed on DG Set.
- Industry shall submit first compliance report with respect to conditions imposed within 30 days of issue of this permission. Please note that consent to operate will be revoked, in case of non-compliance of any of the

above mentioned conditions

### General Conditions:-

The applicant shall get analyse the samples of effluent/emission/bazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UEPPCB.

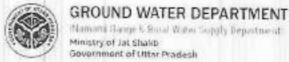
- 1. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- Treated waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.
- 3. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If, at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 4. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- The industry shall provide uninterrupted entry to the STPs/ETPs inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control measures.
- 6. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 7. Whenever due to any accident or other unforescen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 9. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 10. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.
- 12. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous waste without obtaining prior permission of the Board.
- 13. Any unauthorized change in personnel, equipment as working condition as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- 14. It is the duty of the authorized person to take prior permission of the Board to close down the facility.
- 15. The authorization is valid for temporary storage of Hazardous Waste within premises only.
- 16. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being used in the plant as well as air emission and waste generated within premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises
- 17. It is duty of the authorized person to take prior permission of this Board to close and cleanup the facility for treatment, storage and disposal of hazardous waste.
- 18. The applicant shall maintain record of hazardous waste in Form-3 and shall submit annual return in Form-4 on or before the 30th day of June following to the financial year to which that return relates.
- 19. In no case any hazardous waste shall be disposed off on land, in any drain, or into any water stream. All spillage must also be safely collected and stored.
- 20. Before the hazardous waste is stored or dumped in the facility, applicant must conduct a detailed physical and chemical analysis of hazardous waste sample and report to the Board.

- 21. Dried hazardous sludge from the process in the plant shall be stored in double lined HDPE pit constructed with R.C.C. or such material which does not react with the waste contained in it.
- 22. The storage area should be fenced properly and Sign/Notice Board indicating \(\tilde{\gamma}\_6 \)/\(\tilde{\gamma}\_6 \) and \(\tilde{\gamma}\_6 \
- 23. The industry shall store non-ferrous metal waste, used oil/spent oil waste in sealed drums placed on impervious floor under covered shed. Hazardous waste if required shall be sold only to Registered Recyclers/Re-processors.
- 24. In case of any transportation of hazardous waste, the details in Form-10 of the Hazardous and Other Wastes Rules, 2016 shall be submitted to the Board.

ANKIT Digitally signed by ANKIT SINGH Date: 2022.07.19
18:13:04 +05:30\*

Regional Officer UPPCB, Muzaffarnagar





#### Form 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Unor Francish Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO:

VALID FROM 13/07/2022 TO 12/07/2027

Name of the Applicant	SIGNOR SANCOL		
Address of the Applicant	NO EXCLUSSION BOAD MUZIFFARNAÇAR UTIAN PRADESH	Congrey efficiency	
Company Street	MS SANGAL INDUSTRIES PATELTE	Company Address	RAKM, MASATERDIAD MUZAPI MENAGER
Secred No. of Agelication Form	NECENSION DESIGNATION OF THE PROPERTY OF THE P	Date of Subscionion	14/03/2022
Specimens highway are of the User:			
Location particulars:			
Raise	Misoria Najar	Black	Managed Corporation New of Public Paradian Managed Region
48LN4		Hot No.	FEM ON CHARGE BY SEXAL GROUPS
Microquides/Comparishon	No	Ward No.	NA
Rolding No.			N:A
Rase of Widolesman (and the)	10:00	Date of Europeakan (in Case of Electric Pang)	364072422
Facticulars of the Proposed Well and Pompi	ng Device:		
Frame of the Wolf	Tube Will thinking	Propose of the West	bdustal
Normalis Sur (For Take Well)	0.00	Appear, Stocker Length (For Time Will)	0.00
Nameter (No. 180g NeS)	tim-	Type of Pemp to be Clark:	Solvennakis
ILP, eCita Panag:	25 00	Operational Device	Please Moss
Wastimum Allowable Rate of Withdrawat (m.Star);	30.06	Maximum Allowable Standard Bloods For Days	610
Variation Allowable Areas of Extraction of Granted	Nisseri		Teamon

Her No-Experience continues continues for event applicant facult to build with decide to provide a SE (2) for connection of ground water as a referent recording that as decided as it is not decided for a continue of the provided of the pr

Phase

Page

American of the long proting out to

#### GENERAL CONDITIONS:

- Is case of any change of an emitting of the proposed wall, finish substructure has to be obtained.
   No finish of Section above, and of with finish as for the substructure.
- In case of any charge of enteredage of the proposed will, finds authorized the between the between the SL (D) and (1) of the confidence of the market programment the forequent Authorized and the confidence of the proposed will be entered at SL (D) and (1) of the confidence of the market programment the forequent Authorized and the confidence of the proposed will be entered at SL (D) and (1) of the confidence of the market programment the forequent Authorized and the proposed of the proposed o

- in visible.
  Considered presented and another include the following the best included by making the considered for the presented and the making of presented for the present of the present

Respective to be bound take-off conform for the factories for the beauty through resisting automatic was book amount programs. It is also used to take a section of programs and a factories for the factories for

- The presentes of information and a the more most foreign and in a purpose of the present of the pr
- To describe of the processor dead for ease or to core of the purpose, well true which ground vacuus true phosphage. It many that true processors are unabled the ground processors are not processors. It many that true processors are unabled the ground processors are not processors.
   Yet of processors while connected X. Type of such true boundaries y embrance while these per before Admir.

530	Quantum of Gooded victor withdrawal manufacts	No of payments in a net	Merrare Wellanen		
		Anna ferrandos telenta	Minor	2001 R eat Trianger	
X	+14	in .	0	4	
3.1	11-30			175	



That accounts the papers of make a manufacture of make an account of make a manufacture

a has other no apprix requires sections of section and section in the management was be taken to the section of

SPECIFIC COSPUTIONS.

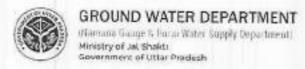
AND THE CONSETTIONS.

(A) For instrumed lover Pos Charlest Central to give at w. attractions by industries in an injury appears on our fields to captify the desired protection of what in the foreign of the contract in the contract of the country of the contract of what in the contract of the country of the contract of the country of the contract of the country of the contract of the country of the contract of the country of the contract of the country of the contract of the country of the contract of the country of the contract of the contract of the contract of the country of the contract of the co

(N. befractured bero By No Disposer Continues for provide a pictories and by panel of disposer to the following operation continues and a supplementation of the provided and the panel of

+ 11 Post of Senger Teads and Flate (ATP) shall be read-sen for my proper, whose procedures requirement a country of the Tay was from the wall by state of the sense of the se

This NOC is not authorized by any Official. This should only be used for Preview purpose: वह अनापत्ति प्रमाणवत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे वात्र पूर्वावलोकन के उद्देश्य से प्रधोग किया जाना चाहिए।



Form 8 (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradich Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/NO-OBJECTION CERTIFICATE NO:

VALID FROM 13/07/2022 TO 12/07/2027

Since of the Applicant NUMBER SINGSE EN KM. JANGURI BOOT, ODZAFDIRNAGAR U FLAR. tiddees of the appointment Category of Faners Company Name: NO SANGAL PARTISTRATO PATECTOR Causan Addon FARM DISSAULROAD ABOAD ARNAGAR Serial No. of Application Form Date of Substantan DESIGNATED Speciesco Signature of the User. Location particulars: Richard Maratta Napa Managal Porpers on Name Palika Familial Manafire Name 41. 50 Plot No. RESOLVANDA DE L'ANNA DE L'ANNA DAL L'ANNA DAL L'ANNA DAL L'ANNA DAL L'ANNA DE L'ANNA D Minimipality Corporation Word No. Hidding Na NA Date of Emergication Circ Course Rate of Withdrawal and Street 1670 being thems Electric Pages) Particulars of the Proposed Well and Pumping Davice: trye of Overbott Take Will Direct Porpose of the Well lednismi Approx, Strategy Laugh (for Tide Secondar Size Har Take Wells HUE Disserter than Day Wells Topic of Princip (set by Cook) Subsecutto H.P. of the Pumps Overstiesed Decide Herna Mont Marketon Alexande Rossing Phines Womann Albarable Rate of Withsternation Shele Minimum Altorable Annual Extracting of Ground Wager:

Her bis Observed contribute authorizes the relief agreement from the medical property and an expectation of greened reports to a recovery consider that is shown in the first property of the contribute annual contribute of greened voter as observed SE (34) and it wild address to the observed of the confinence of the confinence and an other.

Date

Supunitar of the forces of National and October 1981

#### GENERAL CONDITIONS:

In case of arts change of aware than of the proposed well. Heath mathematics on his to be obtained

In case of any charge of averaging of dependency will, fresh mathematical has to a submitted. No drange of freshours charge of the mathematical state of will depend and granging describe to expected and an expected in St. Africand Ot of this considerate shall be made without prior personal control of the mathematical state of th

to constructed of programme, and notal applicable by the forcestors with the completes for one. Dopts and one proposed processors should be companionally as it is proposed from a proposed processor should be explained to the companion of the co

Guidding for building of Pierre steer and their Moultonies

Decrease in a book of indexed and rate for account for uncertaint to become the topol words to account which looks are book associated and to the mind to the mind and quite solution of processing such to be a solution of solution of processing such to be a solution of processing such to be a solution of processing such to be a solution of s

- The processor is to be an allocations and in the consensation of a minimum final business of the processor is to be a processor of the processor o
- The digit of the passences of units' became in a cine of the pumping unfillness which ground water is being observed. If more than one passences are recipled the second passences which is not an department of the passence of the pass

NNA	Quantum of Oresing water well-should example;)	No of preveneurs required.	Measure Springer		
	25540112-21444-21444-3044-30544-34	Total Control of the Control	Marral	BWCR with Titemen	
1	+ 10	in the second	11	· ·	
3	31-36		15		



\* The encourage begans of which the control and accounts of manuscrapt should be up meet the approach amountment about begans in motivation of accountment of which the control of accountment about be upon the foreign of motivation of accountment of accountment of which the control of accountment of which the control of accountment of accountment of which the control of accountment of which the control of accountment of acc

SPECIFIC CONSCISONS

SPICION CONSTRUCTORS

(A) For Ordering Units Note: No Concern Consider the ground man expected to industric stable in appropriate and the ground one around mean expected to industric and the ground product and the ground industric stable in appropriate to a discussion of the following specific conditions of the following specific conditions of the stable of the product of the following specific conditions of the stable

(B) Informational User. The No Describer Conference is count for the distinction of the puried information is conference to conference (i.e., and of information properties of the puriod information distinction properties of the puriod information of th

influence for the state of Service Transport of the SET of the Company of the SET of th

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावतोकन के उद्देश्य से प्रयोग किया जाना चाहिए।



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 23548/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2024

Dated:07/02/2024

To.

M/s SANGAL INDUSTRIES PVT LTD

8 Km, Khasra No. - 71,72,73,83,84,85 And 86 Village - Humayupur, Pargana And Tehsil Distt.

Muzaffarnagar (U.P.), MUZAFFAR NAGAR, 251001

Tehsil:MuzaffarNagar

District :MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 23548 and 07/02/2024.
- Reference of application (No. and date) 24273705 and 05/01/2024.
- Mr VINEET KUMAR SANGAL of M/s SANGAL INDUSTRIES PVT LTD is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 8th Km. Jansath Road, Muzaffarnagar.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Used or Spent Oil (Schedule I, Cat. 5.1)	TSDF	0.05
2	Contaminated Cotton Rags or Other Cleaning Material (Schedule I, Cat. 33.2)	TSDF	0.30

- The authorization shall be valid for a period of 06/02/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act. 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.

ANKIT SINGH Digitally signed by 4940 Securi Date 2004.00 07 16/05/11 + 05/30

- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### **B** Specific Conditions of Authorization

- The wastes must be safely collected in leak proof containers and shall be duly marked in a
  manner suitable for handling, storage and transport and the packaging shall be easily visible and be
  able to with stand physical conditions and climatic factors. All hazardous waste containers/bags
  shall be provided with a general label as given in Form.
- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 3. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 4. The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 5. In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution.
- 6. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular

interval of time.

- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- 8. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 10. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 11. The hazardous and other waste which gets generated during recycling or reuse or recovery or preprocessing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- 12. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 13. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board, Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 14. Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 15. Under the provisions of Hazardous and Other Waste (Management and Cross-Border Movement) Rules, 2016, the names and quantities of all the hazardous waste materials generated in the industry have not been mentioned.
- 16. Copies of Hazardous Waste Manifest in Form 10 shall be sent regularly to UPPCB for each category of waste sent to TSDF or Incinerator within 15 days.
- 17. All hazardous waste containers and bags shall be provided with a general label. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 18. The authorized person or agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.

  ANIMIT Digitally signed.

ANKIT Digitally signed by ANKIT SINGH
SINGH Date: 2024.02.07
16:09:37 +05'30'

Digitally signed by ANKIT SINGH ( Authorized Signatory ) Date: 2024.02.07

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, for information and necessary action .

### INDUSTRY INSPECTION REPORT (PULP & PAPER)

A. General section

Date of inspection:03.01.2024

1.	Name of the unit with complete postal address:	M/s Shakti Kraft Tissues, 9th Km Jansath Road, Muzaffarnagar 251001
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.41895, 77.76024
3.	Industry Operational status	Operational 24 hours (3 shifts of 8 hours each)
4.	Consent status	Consolidated consent to operate & authorization (CCA) dated 12.05.2023 with ref no 181877/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAGA R/2023 and valid upto 31.12.2024 Enclosed as Annexure-1

5.	Process	Manufacturing of Kraft paper paper) of mixed type (imp availability	using recycled fiber (waste orted/ indigenous) as per					
6.	Raw material							
	a. Consented value	180 MT/day						
	b. Actual consumption	9092.80 MT						
	(as per logbook)	(from Oct 2023 to Dec 2023)						
	c. Avgdaily consumption	105.73 MT/D						
7.	Production	1						
	a. Consented value	150 MT/day						
	b. Actual Production	8183.52 MT						
	(as per logbook)	(from Oct 2023 to Dec 2023)						
	c. Average daily production	95.15 MT/day						
	d. Yield (%)	90% of raw material						
	e. Estimated waste produce	10% of raw material i.e. 10.58	R MT/day					
8.	Fresh water consumption	Fresh water consumption						
	a. Details of borewell	One borewell with flow meter						
	b. NOC from CGWA/other authorized body	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2	JP under Registration no. and is valid upto 01.05,2027.					
	b. NOC from CGWA/other authorized body	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2 <sup>rd</sup>	JP under Registration no. and is valid upto 01.05,2027.					
	b. NOC from CGWA/other	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2 <sup>rd</sup> 450 KLD	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
	NOC from CGWA/other authorized body      Permitted withdrawal quantity     Actual withdrawal quantity	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2° 450 KLD 20081 KL (as per logbook of O	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
	NOC from CGWA/other authorized body      Permitted withdrawal quantity     Actual withdrawal quantity     Avg dally withdrawal quantity     Specific fresh water	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2 <sup>rd</sup> 450 KLD	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
9.	NOC from CGWA/other authorized body      Permitted withdrawal quantity     Actual withdrawal quantity     Avg dally withdrawal quantity	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2° 450 KLD 20081 KL (as per logbook of Ot 233.5 KLD	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
9.	NOC from CGWA/other authorized body      Permitted withdrawal quantity     Actual withdrawal quantity     Avg daily withdrawal quantity     Specific fresh water consumption  Effluent Management	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2° 450 KLD 20081 KL (as per logbook of O: 233.5 KLD 2.45 KL/MT of paper	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
9.	NOC from CGWA/other authorized body      Permitted withdrawal quantity     Actual withdrawal quantity     Avg dally withdrawal quantity     Specific fresh water consumption	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2° 450 KLD 20081 KL (as per logbook of Ot 233.5 KLD	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
9.	b. NOC from CGWA/other authorized body      c. Permitted withdrawal quantity     d. Actual withdrawal quantity     e. Avg dally withdrawal quantity     f. Specific fresh water consumption  Effluent Management  a. Consented discharge value     b. Actual effluent generation	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2° 450 KLD 20081 KL (as per logbook of O: 233.5 KLD 2.45 KL/MT of paper	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
9.	b. NOC from CGWA/other authorized body  c. Permitted withdrawal quantity d. Actual withdrawal quantity e. Avg daily withdrawal quantity f. Specific fresh water consumption  Effluent Management  a. Consented discharge value b. Actual effluent generation (as per logbook) c. Avg effluent generation daily d. Specific effluent generation	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2° 450 KLD 20081 KL (as per logbook of O 233.5 KLD 2.45 KL/MT of paper	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
9.	b. NOC from CGWA/other authorized body  c. Permitted withdrawal quantity d. Actual withdrawal quantity e. Avg daily withdrawal quantity f. Specific fresh water consumption  Effluent Management  a. Consented discharge value b. Actual effluent generation (as per logbook)  c. Avg effluent generation daily	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2° 450 KLD 20081 KL (as per logbook of O 233.5 KLD 2.45 KL/MT of paper	JP under Registration no. and is valid upto 01.05,2027. borewell. (Copy not available)					
9.	b. NOC from CGWA/other authorized body      c. Permitted withdrawal quantity     d. Actual withdrawal quantity     e. Avg daily withdrawal quantity     f. Specific fresh water consumption  Effluent Management  a. Consented discharge value     b. Actual effluent generation (as per logbook)     c. Avg offluent generation daily     d. Specific effluent generation     e. Actual recycling of treated	NOC for one borewell from Ministry of Jal Shakti, Got 202204000410 dated 30.08.2022 Enclosed as Annexure-2 NOC applied for installation of 2° 450 KLD 20081 KL (as per logbook of O. 233.5 KLD 2.45 KL/MT of paper  ZLD 54815 KL (as per logbook of O. 637.38 KLD 6.69 KL/MT Partially treated (Primary/	JP under Registration no. and is valid upto 01.05,2027.  borewell. (Copy not available)  ct, Nov & Dec 2023)  kct, Nov & Dec-2023)					

10	f. Actual efflue	ent discha	rge	As per o	onsent, unit is ZLt e and bypass was	and obser	during visit, no effluent		
11	Verification of	of ZLD		To lost to	Tolle 2 lbram ues	and del	Tods		
	a. Specific fres			2.45 KL/MT					
	b. Specific Effluent discharge			Not discharging outside					
		c. Metering of effluent generation			connection	10.			
	& recycling point					V-1	nsor based flowmeter and notch provided		
				V			ectromagnetic flowmeter th totalizer installed after th hill screen and sedicell.		
	d. BOD/COD d	haracterisi	tics of	BOD (m			550		
	effluent at E	TP inlet		COD (m			079		
	Conclusion		5m3/ 2. High	t of paper values of ( s not disch	(with power boiler 30D & COD indicat arging outside the	r case) tes clo e prem	sed loop nises.		
2	Above observations establish that unit is ZLD Effluent treatment plant (ETP)								
	a. ETP consists of			Back Water collection tank - Hill screen - Equalization Tank - Sedicell - Primary Clarifier - Saveall Tank - Machine - Outlet recycled to process					
	b. Installed ca	pacity		-	outles rechercia	o pro	LCSS		
	c. Metering at						nsor based flowmeter and V		
				Recycling points Electors tota		Electr	ectromagnetic flowmeter with alizer installed after hill		
				ETP outlet NA			een and at recycling line.		
-	d Operational	d. Operational status			Operational				
	a. Operational	ocacus		Flow at inlet: 7.58m <sup>3</sup> /hr (based on V-notch value)					
				MLVSS/MLSS in aeration tank; NA					
	e. OCEMS at E	TD outlet		PTZ Camera found installed at ETP.					
	f. Effluent Cl			P12 Camera lound installed at ETP.					
- 9	Parameter	ETP in	The state of the s	Recycling Norms as p		- 1			
	raranteter	602.00	ret in		Norms as per		Compliance w.r.t. conse		
	pH	5.7		point 5.7	consent (EP Rul		II-1		
	BOD (mg/l)	1355	0		-	-	High values of BOD, COD		
3	COD (mg/l)	3807	Acres de la constante de la co	13100	-		TSS& TDS at ETP inle		
-	TES (ma/l)			36527			and recycling poin		
1	TSS (mg/l)	8155		8174	-		indicate closed loop.		
	TDS (mg/l)	3426		34576			however there is change in characteristicat inlet and recyclin point, which indicate the ETP system consisting sedicell and prima clarifier is not operational maintained properly		
	g. ETP Sludge	e generat	ion			-	and monitoring property.		
1	Biological sludg			NA as no	biological unit ava	ailahie			
	(as per logbool			100,110	-ionighout diffic dy				
	Remark	10		As per un	nit, sludge generat	ted fro	om hill screen and primary		
3.	Non-paper so	lid waste	: managei	ment (Pla	s used within proc stic waste)	622			
	Non-pages cell	d waste o	an near to al	ED town	Con No. 0 P. D.	10	dealers of the same		
	Non-paper soli (As per logbool		enerated	Unit has	for Nov & Dec 202 installed a gasifier y of 36 MT/day (co	r for p	lastic waste disposal with		
1	Avg daily plasti	ic waste o	eneration		(as per data prov				
1	Specific Non-			1.04 %	f kraft paper prod	uction	A dillet		
_	The state of	301	110000	2101 30 0	were puper prou	accior)	The state of the s		
							Page 2 of 7		

	generation Potential generation @:	solid		vaste er	3,37 M	/day					
14.	Remarks				During visit, huge leaps of plastic waste were observed to be lying inside premises. As informed by unit representative, this was the plastic waste (around 60 tonns) generated during November & December months. Since moisture of stored waste could not be dried due to weather conditions, it was not disposed off in the gasifier. However, generation of plastic waste as per unit (1.01 MT/day) is lesser than its potential value of 3.37 MT/day.						
5.	Air Pollution r	nanag	ement		MI/Udy	) is lesser tr	an its poten	tiai valu	e of 3.3	/ M1/	ay.
	a. Boiler capaci	tv			14 TPH					_	
	b. Stack details					eight -32 m					
	c. APCD installe					done&Wet s					
	<ul> <li>d. Estimated s</li> <li>@ 1.8 T/T of</li> </ul>						171.27 TPD				
J	e. Fuel used	in our source			Bagasse	/ cane silt					
	<ul> <li>f. Fuel consultagbook)</li> </ul>	mption	(as	per	6212.02 Avg = 7	MT (as per 2.23 MT/da	data of Oct,	Nov &	Dec 202	23)	
	g. Estimated consumption of fuel		gasse im/ T			2.5 T bagass	e= 68.5	0 ton o	f baga	sse	
	h. Daily ash ger	Ü		Log book not maintained							
	<ol> <li>Ash general consumed (9)</li> </ol>	r.t of	fuel	+							
	<ol> <li>Estimated at 2.5 % of back</li> </ol>	neratio	n (b	1,805 tons							
	k. Disposal of ash generated				Disposal In an acquired vacant plot 1 km away from unit, (logbook for daily disposal not maintained)						
	I. Remark			Fuel consumption by unit and estimated fuel are in-line. However, there is no record for ash being generated. As Informed, unit owns a plot about 1 km away from its premises and uses it for ash disposal, which is unscientific. However, traces of ash were observed at site along with sludge and soil.							
6.	Hazardous wa	ste ma	nager	ment	biolig is	ius sidaye a	nu son.				
	Authorization st				Authorization granted under Ref No 19709/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFAR NAGAR/2023 dated 24.03,2023 with validity upto 23.03,2028						
	Copy of agreen /TSDF	nent wir	th recy	clers	Enclosed as Annexure-3 Available with Sheetala Waste Management Ltd from 17.05.2023 to 16.05.2028						
	Hazardous wast	e gene	rated		Earlier with Bharat Oil & Waste Management 130 kg (used empty container), 20 kg cottor oil, 45 kg PVC drum, 25 kg Waste Oil & Grea waste cotton (as per annual Form-10 dated 15.06,203, 21.02,2023)						itres kg
7	Groundwater ar	nalysis									
8.	Parameters	рН	Col	COD	TDS	Total Hardnes	Total Alkalinit	CI-	SO <sub>4</sub>	F-	NO -N
	Acceptable limit as per BIS IS 10500:201 2	6.5- 8.5	05		500	200	200	250	200	01	45
_	_										

Results	7.7	07	BDL	640	312	331	64	92	BDL	BDL
Parameters	As	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Sb
Acceptable limit as per BIS IS 10500:201 2	0.01	0.00	<u>.</u>	0.05	0.05	0.3	0.1	0.0	0.01	
Results	0.01	BDL	BDL	BDL	BDL	1.06	0.27	BDL	BDL	BDL
Parameters	Se	V	Zn					-		
Acceptable limit as per BIS IS 10500:201 2	0.01	(#)	05							
Results	BDL	BDL	BDL	1						

#### 19. Major observation & Key issues

- a. Unit has valid consolidated consent to operate, Hazardous authorization from UPPCB & NOC to abstract groundwater for one borewell from UPGWD. Unit has applied for another borewell.
- b. Unit uses recycled fiber (mixed type) as raw material (consented-180 MTD; current use-105.73 MTD) and produces kraft paper (consented 150 MTD; current production = 95.15 MTD; yield- ~90%).
- c. Unit consumes freshwater @2.45 KL/MT of paper and has opted for ZLD.
- d. Unit is recycling sludge back from hill screen to pulping mill. Effluent is taken to equalization tank and sedical and then stored in a collection tank, which is completely recycled, i.e. no effluent discharge.
- e. Unit has agreement with Sheetala Waste Management Project (SWMP) for hazardous waste generated from process.
- f. Unit disposes plastic waste generated from the process in a gasifier, installed inside premises with capacity of 36 MT/day.
- The actual plastic waste generation (1.01 MT/day) is much less than the estimated value (3.37 MT/day) indicates poor record keeping.
- h. Stack monitoring results indicate Particulate matter value 46.2 mg/Nm<sup>3</sup> which is within prescribed standards of 80 mg/Nm3.
- i. Unit is maintaining ZLD conditions as per consent conditions.

#### Key issues

- a. ETP system is not operating and maintained properly.
- b. There is no record maintained for boiler ash generation/disposal.
- c. Poor record keeping for plastic waste generation & disposal,
- d. There is no electromagnetic/ultrasonic flowmeter with totalizer at ETP inlet, only Vnotch & sensor based instantaneous flow-meter installed, which is not very reliable.
- e. Hazardous waste (mainly used oil) was lying stored in open drums (covered with cloths).

#### 20. Compliance Status

As per Discharge norms: Complying w.r.t ZLD conditions

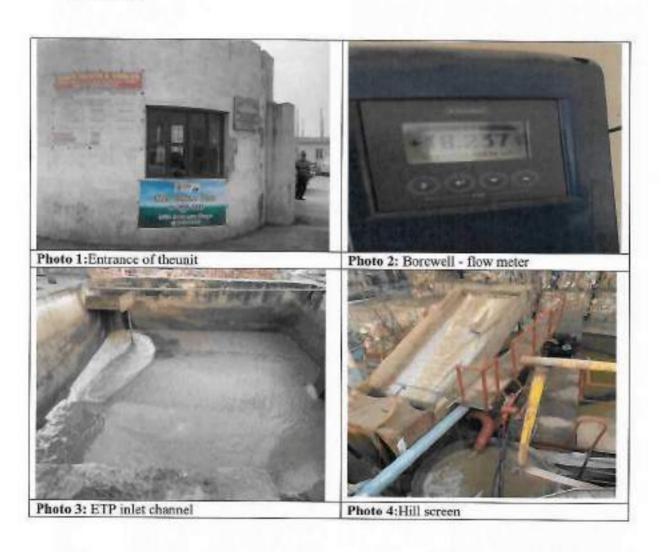
#### 21 Recommendations:

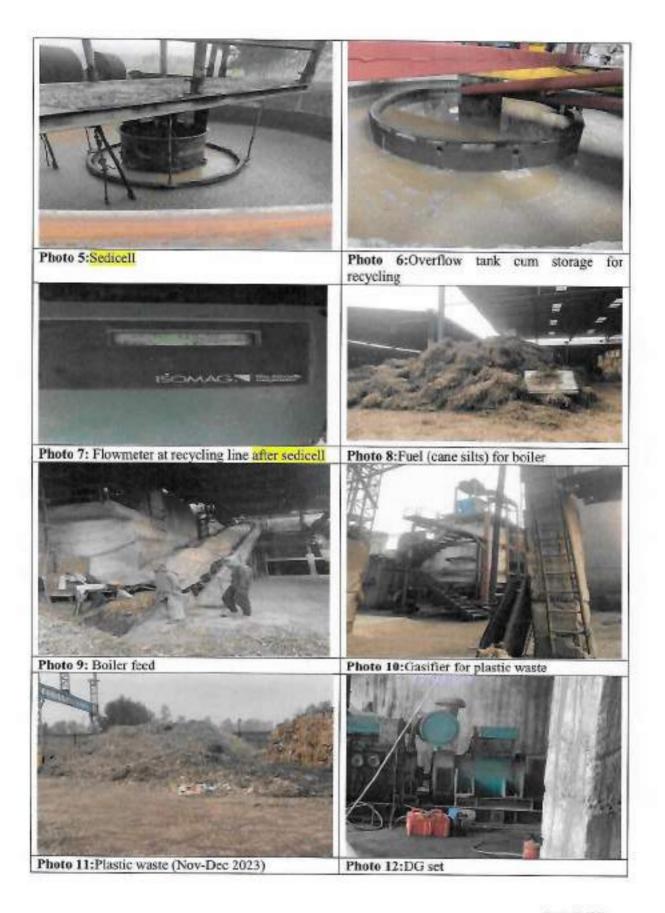
- The unit shall install electromagnetic flowmeter with totalizer at ETP inlet.
   The unit shall obtain NOC for installation of 2<sup>nd</sup> borewell and install electromagnetic flowmeter with totalizer.
- 3. The unit shall improve storage of hazardous waste at priority basis.
- 4. Unit shall maintain proper logbook of plastic waste generation and disposal on daily basis.
- 5. Unit shall also carry out stack monitoring for Dioxin and Furan from a lab recognized under E (P) Act during operation of plastic gasifier.
- 6. Unit shall maintain proper logbook for generation & disposal of ETP sludge and boiler ash.

3	Sr.No.	Name of officials	Designation	Organisation	Signature
-	1.	Dr Preeti Tripathi	Sc D	MoEF&CC	

T	2.	Er. Manu Jindal	Scientist-B	CPCB, Delhi	Maryfinder.
	3.	Ms. Garima Dublish	RA-III	CPCB, Delhi	amount
	4.	Mr. Ashwani K. Singh	RA-II	CPCB, Delhi	Ashisan
	5.	Mr N.M, Tripath)	ASO	UPPCB	Munc.
	6.	Mr Yashpal Rawat	FA	UPPCB, SRE	4. singh
4				4	

### Photographs





Page 6 of 7





#### Uttar Pradesh Pollution Control Board

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone 0522 3920828 2920831, Pox 9522 2920764, Email: infortuppels.in, Website www.ppch.com

181877/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 12/05/2023

To:

M/SSHAKTI KRAFTS AND TISSUES

9th Km Jansath Road, Muzaffarnagar (U.P.), MUZAFFARNAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution) Act., 1974"and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

Application no. 20594499

Date :- 2023-04-10

Consolidated Coasent to Operate and Authorization (CCA):

CCA is hereby granted to M/s SHAKTI KRAFTS AND TISSUES located at 9th Km Jansath Road, Muzaffarnagar (U.P.), MUZAFFARNAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions: -

- This CCA is granted for the period upto 2024-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- This CCA is granted for the period upto 2024-12-31 from the date of issuance of this letter, under 1.2 Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit	Permitted by the Board	
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	WASTE PAPER-180 MT/DAY	KRAPT PAPER-150 MTD, 2.25 MW TURBINE	KRAFT PAPER-150 MTD, 2.25 MW TURBINE

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 12:25:19 + 05'30'

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the	Permitted by the	
		Numbers	Usage / Process operation	Board

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery, failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing iii operations. GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023.06.08 12:25:27 +05'30'

 The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

### 4. Water Conservation Measures

#### A. Fresh water consumption

- 1. Categorization of existing groundwater area: Safe/ Semi critical / Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB: Applied/Granted
- If Granted: Number of NOC and Validity2024-12-31
- 5. Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piczometer installed i.e., numbers with coordinates.

This CCA is valid for details w.r.t fresh water as mentioned below:

			Declaration	Permitted	
S.No	*	Source of fresh water	Borewells/river	Borewells/river	

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	Without Power Boiler < 2.5 m3 / t paper With Power Boiler < 5 m3 / t paper

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines-process, domestic and boiler.
- 10. The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log-book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.
- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piezometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

#### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
1	KRAFT PAPER 150 MTD, 2.25 MW TURBINE		KRAFT PAPER 150 MTD. 2.25 MW TURBINE

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- v Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pH	6.5 - 8.5	6.5 - 8.5	6.5 – 8.5	No discharge is allowed
TSS, mg/l	<- 30	<30	<30	No discharge is allowed
BOD, mg/l	<= 20	< 20	< 20	No discharge is allowed
COD, mg/	<- 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<= 1800	<1600	< 1600	No discharge is allowed
Color, PCU	<- 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<- 8			No discharge is allowed
SAR	<- 10	< 8	< 8	No discharge is allowed

Digitally signed by GHAN SHYAM Date: 2023-06:08 12:25:45 +05:30

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Effluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall install OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will ensure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- a) The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- 15. The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- All flowmeter should be calibrated annually from recognized institutions/vendor.
- The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -
- This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below:

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	2.0 KLD
2.	Treatment facility	SEPTING TANK
3.	Discharge point	SEPTIC TANK

- In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms:

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.

### 6. Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Company (ECF bleaching for agro & Company) and paper mills
- Use of jet acrators for improved biodegradation in aeration tank and increased DO level
- c. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc.
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units

#### Environmental management system

- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH, TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.

#### 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No. Fuel Equipment Stack height Air Pollution Stack Emission Control Device standards (m) (APCD) 1 X 14 TPH Coal/Fire Wood-32 Multi Cyclone AS PER CAOM BOILER 100 MT/Day And Dust Collector. DIRECTION Plastic Waste- 36 Wet Scrubber Mt/Day (Fer Gasifier, Only approved fuel be permitted as per CAQM director)

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit < operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.

#### 9. Noise Pollution Mitigation:

 Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards forNoise level in db.(A) Leq		
Industrial Area		Commer	reial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- (ii). Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets) Current Assets. Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.
- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.

GHAN SHYAM Digitally signed by GRAIN SHYAM Date: 2023.06.08 12:26:12 - 05:30

- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- The unit will have to deposit the revised fee whenever it is notified.
- Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CFE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points. Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

- This CTO order is valid only for the production of Kraft Paper-150 Mtd By Using Waste Paper-180 Mt/Day, 2.25 MW Turbine And For Gasifier at site 9TH K.M. Jansath Road, Muzaffarnagar.
- 2. Earlier Board has issued a CTO vide letter no- 155046/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/both/MUZAFFARNAGAR/2022 Date: 19/05/2022 is revoked.
- 3. Unit must submit balance fee of Rs. 50,000/- in the Board within 15 days of issuing this certificate.
- 4. This consent is valid only for Zero Liquid Discharge (ZLD).
- In case of any change in production capacity/ process/raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from

GHAN SHYAM Digitally signed by GRANSHYAM Date: 2021-06-10

- U.P. Pollution Control Board.
- 6. The unit must comply the condition of NOC issued from UPGWD for abstraction of ground water.
- 7. Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 8. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate thise Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 9. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 10. The unit will not use agro based raw materials in the production process.
- 11. Unit must ensure strict time bound compliance of suggestion/recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp and Paper Industries" formulated by CPCB.
- (2. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 14. The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
- The industry shall submit Environmental Statement in prescribed format in Form V of rule-14 of E.P. Rules 1986.
- 16. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- This CTO order shall automatically become invalid on issuance of Closure Order by C.P.C.B./ UPPCB and further on Revoking of Closure order, the Consent order shall become valid.
- 18. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 19. The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 20. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 21. Industry shall install at sufficient height from the ground level Open to Network HD PTZ Camera at the outlet of the discharge drain of effluent from the factory premises and its URL and password shall be provided to the UPPCB Control room.
- 22. The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis. GHAN SHYAM (Segury species 12 26-11 as 200

- 23. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM a tpoint no. 65.
- Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 25. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- 26. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 28. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 29. Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016. Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 30. Industry shall install and maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as perthe direction of CPCB.
- 31. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- 32. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agro based raw materials in the production process.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF.
- 34. Industry shall not use furnace oil/pet coke as a fuel.
- 35. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 36. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.
- 37. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 38. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 39. The industry shall establish Miyawaki forest inside the factory in sufficient area the treated effluent from the ETP shall be used for forestation.
- 40. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.1116405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023-04-0B 12:26:41 +05:30

GHAN SHYAM Digitally signed by GHAN SHYAM Date: 2023,06.08 122,649 -05'30'

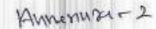
Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

GHAN SHYAM Digitally signed by CHAN SHYAM Date: 2023:20:08 12:20:57 + 05:30

Chief Environmental Officer (Circle 3)





#### Form E (C)

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Unor Francish Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO:

VALID FROM 02/05/2022 TO 01/05/2027

Sancef du Apple de	naw one.		
Military of the operation	50), calle hore, end en 2, Marellongue	Category of Foreign	
Fridayway Voter	Shakar Kesta Tilanan	Company Address	TAKEN AWARD ROOT WANTEDWAY
Second Nat. of Applications Ferrom	MOTIVACETYPORTOLIT	Once of Sedestindon	Hills 12922
Spectment Nigroutable of the Copyri			
Locution particulars:			
Nonix	Manuflar Nagar	Best	New and Coperation Name Police Foredard, Margital Super
IA-Ne		BeNc	19this Joseph Realities Metalliance
Graticipaldy, S. organization	Plo	Word No.	NA.
tolking No.			504
late of Walfalous allowed that	300e	Date of Energica (see (b) Cook of Check in Famp)	*(%).5001
Particulars of the Proposed Well and Puntping	; Devine:		
ly per of the West	Tube Well Temps	Propose of the Well	hibotel
onnebly See Har Take Wells	634	Appear, Strainer Leagh (For Tide Wett)	000
Naukov (Fee thag Well)	0.00	Type of Pump to be Dools	Salvacouble
LP, al the Paces	10.40	Operational Design	Flester Nisser
desirent Alberthicker of Wilderson (1976) beje	30141	Manimum Allowable Rossing Blasta for Days	19.00
Considered Alberta St. Aurusia Calvariana of Greened Wi	Merc		184250000

The No-Objects of Control of the control of the control of the following appealed a Notific proximal ground what is a sixteen expendent that is described the control of th

Your Lorenze Virginia was of the 8 and Broaman

#### GENERAL CONDETIONS:

- Printer of the design of control of the proposal cell from management for the proposal cell of advanced as St. (1) and St. (2) and St. (3) and St. (4) and st

- for any of the formation of the formation of the contract of t
- Consider the second of th

Percently is already advantaged on the entering the case for the bosoning the tops unadject continued to distance of property and the case of property of the case of property of the case of the case of property of the case

- . Depresent in the institution trade in the resentant of with distance from the passage of the registrated power address being each from the distance of the passage of the
- The digits of Representation should be have an expected for purpose well from what ground notes a being obtained for most from one proceedings are recorded to make a processory of the first processory and the purpose of the pu

9 No.	Quarter of Greened water in the sand scars day in	Medicarrates New Japaneses (Spare)		Medicolatatore	
			Manual	094E=0.19999	
1.0	= hr		0.5		
1	\$E791	24			
1	30-500	3	10.		
+1	≥900	5	16	j.	

- The manufacting was should be received and according of manufactural desirable to upon an interpreted in page of manufactural desirable to upon according to the desirable of the second

- references and also blocks on.

  An office the specific requirement regarding radia over the recoverage can be calculated.

  The radia produce to the required by Specific and Auditor.

  The radia produce to the personnel of Specific and Auditor.

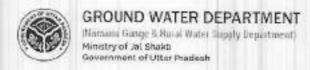
  The radia produce of advocation be readed by the registers to woman to the powers treat under registering an entire data to the personnel of the personnel advocation because the radia personnel and the personnel of the personnel and the personnel of the personnel and the LEXCLUSION CONDITIONS

- SPECIFIC CONDITIONS

  (A) For Industrial value in Observation of the property of property is a property of property of the industrial in the property of property of property of property of the industrial interpretation of the property of the industrial interpretation of the property of the industrial interpretation of the industr

- (B) definition that a Cost. The No Objective Confidence or ground was a distance will be proved select to the following society continues.
   It is useful influence to the confidence of ground distance will be proved society to the following desirate provides and the confidence of the confiden
- in hydricated Springs Transport Plans, 1877; that he weathern for the property when green a suprement is minuted by the when there STF that he exhibited for taking the waters.

This NOC is not authorized by any Official. This should only be used for Preview purpose. पह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावलोकन के उद्देश्य से प्रयोग किया जाना चाहिए।



#### Form 8 (C)

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Unar Products Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/NO-OBJECTION CERTIFICATE NO:

VALID FROM 02/05/2022 TO 01/05/2022

Venus af the Applicant	GAURAY DROL		
Address of the Applicant:	54 Advisor roll of 2 Stautherent	Category of Surseys	
Company Name	Stoke kost Trace	Company Address	Hickorden et tous standarmouse
erial So. of Speliciples Fares	MARI PARES PROPERTY IN	Date of Surferinsian	0.043022
periods Separate of the User.			
Societius particulors			
Intrid	Maraffer Napar	(Section 1)	Managal Construction Name Public Printed, Marate Name
II. Ne		Plot No.	Writing heart Apalifest-Management
designation X organization	24a	Ward No.	N/A
tolding No.			N/A.
Sale of Widoleswal (milike)	Books	Date of Energiasion (in Case of Electric Penap)	simpos
Particulars of the Proposed Well and Pamping	E Device:		
Spest the Well	Take Well Books	Pargrose of the Mell	Internal
cornidy New Clas Take Well)	Torin	Appres Strainer Length (For Yabe Well)	0-08
Someter (For Dog Well)	0.00	Type of Facey to be Used:	Sitrocotto
LP, of the Plancy.	300	Operational Device	Ospera Mour
Hanemere Allencific Hate of Willidawood (sakhe;))	Anato	Moteum Obseitle Sammig Boars Pér Org:	34.00
Navenne Chromble Assent Entraction of Cremet W.	ttes		turners.

The Northernon conflicts advances by constraint in a manufacture of the production of the community of the community of the contract of the co

Hire Tions.

York Friday (E. Suppose of the la and December

#### GENERAL CONDITIONS

In rate of any obtages allow according of the proposed with, fresh author colors has been element.
 No discuss of locations, design, who of which and manufacture is to be obtained.
 No discuss of locations, design, who of which are discussed and proposed according to the proposed of the supposed 
- Location of processors and incidental of disput some both occurrences that of the purpose shall be assessed from the purpose of

The day of the many the property of the control of

Favorages is a busined and sold for moreover the sold let be come the upon service contained which less moreover proposes. It is also uncluded contained to the contract of th

- The prometers to be product contracted as the industrial of the decision
- The topic of the processor should be some at an one of the pumping well from which proved extent to the philosophic and the complete state of the pumping of the pumpi

550	Quarters of Ground water roth/percul contribute	No of decreases marked	as of Carnell with nothing all countries to the all parameters required		Montany Mediane	
	ACTURATED TO THE STATE OF	22.0	Minud	EWILR sub-fiderates		
1	*10	10	4			
2	() +50	1	i			
	91-940	1	0.	- 1		
4	- 5040	2	10			

- The response frequent should be soundly and acquaint of antenned should brought on the response process and a country to describe order brought of a comparison of a control or a control of the process of a control of a contro

- An object of Operation of Americal Interests in the American Company of the American Company of the Company of American Company of the Company of American Company of the Company of American Company of the Company of Company of Company of the Company of Compan SPECIFIC CUSHITIONS

- NOTE THE CONSTRUCTION.

  AN EAR Indiating Photo. No Opposed Continues to good order experient reservaging by pressure as an electron property conducts.

  AN EAR Indiating Photo. No Opposed Continues to ground order experient reservaging a pressure as an electron property of the free (or quark in a name in Note to good order in the control of the free (or quark in a name in Note to good order in the control of the property of the free (or quark in a name in Note to good order in the control of the property order in the free (or good order in the control of the property order in the control of the contr

- OBCOMMENT OF THE NATIONAL CONTINUES IN PROPERTY OF THE ACCOMMENT OF THE PROPERTY OF THE P
- s. a) bridgarmed Speng, Laurence Plane (STF) shall be regularly farmer proper, where ground man assurance a convertee 20 to The way for the STF shall be regular to a wayren

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापनि प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावलोकन के उद्देश्य से प्रयोग किया जाना चाहिए।



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppcb.com Website: www.uppcb.com

Ref. No : 19709/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2023

Dated :24/03/2023

To.

M/s SHAKTI KRAFT TISSUES

9th Km Jansath Road, Muzaffamagar, MUZAFFAR NAGAR, 251001

Tehsil:MuzaflarNagar

District :MUZ AFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 19709 and 24/03/2023.
- Reference of application (No. and date) 19978235 and 24/02/2023.
- Mr GAURAV GOEL of M/s SHAKTI KRAFT TISSUES is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 9TH KM, JANSATH ROAD, MUZAFFARNAGAR.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)	
1	CATHGORY 33.1 AS PER SCHEDULES I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals/Wastes)	THROUGHTSDF	1.0 MT/ANNUM	
2	CATEGORY 33.2 AS PER SCHEDULES I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGHTSDF	0.075 MT/ANNUM	
3	CATEGORY 5.1 AS PER SCHEDULES I (Used Or Spent Oil)	THROUGH TSDF	0.25 MT/ANNUM	

- 1. The authorization shall be valid for a period of 23/03/2028 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- 2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.

  ABHISHEK TRIPATHI IMPATH

Detr. 1023.03.31 16:39:08 - 09:30

- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or
  pre-processing or utilisation of imported hazardous or other wastes shall be treated and
  disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and

Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.

- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within lifteen days of receipt of this letter.
- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central ABHISHEK TRIPATHI Date: 2023.03.31 16:39:24 +05'30'

Pollution Control Board from time to time.

- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

ABHISHEK TRIPATHI Digitally signed by ABHISHEK TRIPATHI Date: 2023.03.31 16:39:33 105'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

### INDUSTRY INSPECTION REPORT (PHARMACEUTICAL)

Date of inspection:03.01.2024

		General section		
1.	Name of the industry & Complete Postal Address:	M/s Saral Chemtech LLP, Khasra No. 1225, 1226, 1227, 09 <sup>th</sup> km Jansath road, Muzaffarnagar, U.P. – 251001		
2.	Spatial Co-ordinates (Latitude & longitude)	29.42229, 77.75901		
3.	Industry Operational status	Operational		
4.	Environment Clearance	Yes (41/Parya/SEIAA/5027-5625/2019 dated 15-05-2020)		
(Atta	ach valid copies, or if expired the	Consent Section on attach recent expired copies along with copy of application)		
5.	Air consent	Valid upto 31.12.2024 (Annexure - 1)		
6.	Water consent	Valid upto 31.12.2024 (Annexure - 2)		
7.	Hazardous waste authorization	Valid upto29/01/2026 (Annexure - 3)		
8.	NOC from CGWA/other authorized body	NOC issued by UPGWD for 02 nos, of borewell having validity upto 06.10.2026 (Annexure - 4)		
		Production section		
9.	Quantity of Raw materials used	Total Raw material consumption: 588.88 MT (October 01 – December 31, 2023)		
	(in MT total of last three months)	No. of operational days: 84  Avg. raw material consumption: 7.01 MT/day		
10.	Consented production capacity (TPD):	Diclofenac Sodium – 50 MT/month Aceclofenac – 70 MT/month Details of other intermediates are mentioned in consent to operate dated 24.07.2020 issued by UPPCB, Note: Diclofenac Sodium is also used as raw material for production of Aceclofenac		
11.	Installed production capacity (TPD)	60 MT/month (As informed by unit representative)		
12.	Production (01 <sup>st</sup> October 2023 Diclofenac production: 186.68	MT al for production of Aceclofenae: 171.20 MT		
13.	Average daily Production	Average production: 2.16 MT/day		
		Freshwater section		
14.		Source of freshwater - Borewells		
	Borewell	No. of Borewell as per CGWA NOC: 02 nos. Actual no. of borewell found on site; 02 borewell (flowmeter installed at one borewell) Permitted withdrawal quantity: 48 KLD Actual withdrawal quantity: 24.72 KLD Logbook maintained: Yes (Annexure – 5)		

	Average value of water consumption in a day (KLD)	<ul> <li>As infor reject (a</li> </ul>	med al about	bout 4.5	sumption: 24.72 KL 15 KLD used in RC KLD) is used in ng on bagasse	(for boiler) & RO			
	Specific freshwater consumption KL/MT	11.70 KL/I	MT of	prod	luct				
		ffluent man	ageme	ent s	ection				
16.	Sources of effluent generation								
17.	ETP status				or washings and other				
18.	Installed Treatment Capacity,	KID		-	talled – Yes; Operati KLD	onal: Yes			
19.	Effluent treatment units and so		TP	-	et – Bar screen – Equ	alization tank _			
	plant			Ch Set Cla	emical dosing and re- ttler – Polishing tank suffier – Pressure San- tivated Carbon Filter	action tank - Plate - Secondary d Filter (PSF) -			
20.	Flow meter/ v-notch installed	at ETP inlet	Electromagnetic flow meter installed at ETP inlet Logbook maintained: Yes						
21.	Flow meter/ v-notch installed	at ETP outle	t	V-	notch installed at E'	TP outlet			
22.	Average value of effluent gene (KLD)	eration in a d	lay		g, effluent generatio	And the format of the fact of			
20000	Specific effluent generation in			3.2	7 KL/MT				
23.	Average value of effluent disc (KLD)	harge in a da	ıy	Av	g. effluent discharge	e: 5.50 KLD			
	Specific effluent discharge in l	KL/MT		2.6	1 KL/MT of product				
	Consented value of effluent dis	scharge		KL	ustrial – 17 KLD and D al – 19 KLD	Domestic – 02			
24.	Mode of discharge			Sur	face pipeline – Indus nandera drain)	trial Drain			
25.	No. of consented outlets     Actual no. of outlets     visit		uring	01 01					
26.	Discharge in				Dhandera drain				
27.	Route to reach river Ganga/Ya	muna	Dhandera Drain→ River Kali West → River Hindon → River Yamuna						
28.	Effluent characteristics:	to the total or th		_					
	Parameters	ETP inlet	ETP		Notified Discharge norms /norms as per consent	Compliance w.r.t. discharge norms			
	pН	10.6	7.7		6.0 - 8.5	Complying			
	BOD (mg/l)	1913	39		30	Non-Complying			
	COD (mg/l)	4815	118		250	Non-complying			
	TSS (mg/l)	290	98		100	as 97% reduction			

	Oil &Grease (mg/l)	-	BDL	10		in BOD and COD
	Ammonical Nitrogen (mg/l)		01	100		without any
	Phosphate (mg/l)	2.5	0.1	05		secondary
	Sulphide (mg/l)	-	BDL	02		biological
	Phenolic compounds (mg/l)	1	BDL	01		treatment system
	Zinc (mg/l)	-	0.027	05		indicates dilution
	Copper (mg/l)		BDL	03		of fresh water at
	Total Chromium (mg/l)		0.007	02		different level of
	Hexavalent Chromium (mg/l)	*	BDL	0.1		ETP.
	Cyanide (mg/l)		BDL	0.1		
	Arsenic (mg/l)		BDL	0.2		
	Mercury (mg/l)		0.0014	0.01		
	Lead (mg/l)		BDL	0.1		
		Avg. studg	e generation	- 2000000		
30.	Mode of sludge disposal	Ltd., Kanp	ur Dehat, U.	P.)		ste Management s Annexure – 5
202	Air Pollution - Emission Son	Ltd., Kanp Copy of m	ur Dehat, U. embership co	P.) ertificate i	s attached a	s Annexure – 5 tion Control
202	Air Pollution - Emission Son	Ltd., Kanp Copy of m	ur Dehat, U. embership co utrol:	P.) ertificate i Petails	s attached a	s Annexure – 5 tion Control nt separator & Wet
30.	Air Pollution – Emission Son Sources of air pollution	Ltd., Kanp Copy of m erces & Co Fuel used	ur Dehat, U. embership co ntrol: Chimney D	P.) ertificate i Petails	Air Pollu Equipme Cyclone	s Annexure – 5 tion Control nt separator & Wet
202	Air Pollution – Emission Son Sources of air pollution  04 TPH Boiler  One DG Set of capacity 125 KVA, and One DG Set of capacity 250 KVA Ash generation	Ltd., Kanp Copy of m erces & Co Fuel used Bagasse Diesel Average di Average di	ntrol: Chimney D 30 mtr. Sta 3.5 mtr.	P.) ertificate i ertificate i ertificate i ertificate i	Air Pollu Equipme Cyclone : Scrubber Acoustic	s Annexure – 5  tion Control nt separator & Wet  DG set
202	Air Pollution – Emission Son Sources of air pollution  04 TPH Boiler  One DG Set of capacity 125 KVA, and One DG Set of capacity 250 KVA Ash generation	Ltd., Kanp Copy of m erces & Co Fuel used Bagasse Diesel Average di Average di	ntrol: Chimney D 30 mtr. Sta 3.5 mtr.	P.) ertificate i ertificate i ertificate i ertificate i	Air Pollu Equipme Cyclone : Scrubber Acoustic	s Annexure – 5  tion Control  nt separator & Wet  DG set
202	Air Pollution – Emission Son Sources of air pollution  04 TPH Boiler  One DG Set of capacity 125 KVA, and One DG Set of capacity 250 KVA Ash generation  Stack monitoring report:	Ltd., Kanp Copy of m erces & Co Fuel used Bagasse Diesel Average di Average di	ntrol: Chimney D 30 mtr. Sta 3.5 mtr. aily fuel consaily ash generation is 3.	P.) ertificate i e	Air Pollu Equipme Cyclone : Scrubber Acoustic	s Annexure – 5  tion Control  nt separator & Wet  DG set

		Type of waste			Quantity disposed							Storage & disposal					
	Sludge			As per Form-10, quantity of Sludge disposed is as below: 28.11.2022 - 1000 kg 08.05.2023 - 1975 kg 09.10.2023 - 2830 kg							Stored in empty drams onsite and provided to TSDF (i.e. M/s Bharat Oil & Waste Management Ltd.,						
	Oil & Grease Contaminated Cotton Rags			As per Form-10, quantity of oil & grease disposed as below: 28.11,2022 – 45 kg  As per Form-10, quantity of contaminated cotton rags disposed as below: 08.05.2023 – 20 kg 09.10.2023 – 10 kg							Kanpur Dehat, U.P.)  Stored on site in dedicated hazardous waste storage area and provided to TSDF (i.e.						
	Empty barrels/	drun	ns	As per barrels 28.11. 08.05. 09.10.	Form drun 2022 2023	n-10, ns dis - 95 1 - 60 1	quant posed cg cg						M/s Wast Ltd., U.P.)	Bh: te Ka	arat Man	Oil agen	& nent
	Ground v	vater					-									_	_
	Paramet ers	рH	Colc r (Haz n)	cti ce (µn	ndu vity nno/ m)	TDS	Tota Hardr 88		az A	lg² N	la* K	· cr	FI	S O4 2-	Ph os ph ate	Nit rat +	Nit rite
	Values (mg/l)	8.0	De	5 6	537	372	348	3	46	57 2	26 0	6 47	BDL	56	BDL	BDL	BDL
	Permissi ble limit	6.5 8.5	15		-	2000	600	2	100	00 -		100	1.5	400	-	45	
	Paramete rs	Alk	xtal alinit y	COD	As	Cd	Co	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	٧	Zn
	Values (mg/l)		57	BDL	0.01	BDL	BDL	BDL	BDI	0.26	0.1	BDL	BDL	BDL	BDL	BOL	0.01
	Permissib le limit	6	00	•	0.05	0.003	-	0.05	1.5	0.3	0.3	0,02	0.01		0.01		15
	OCEMS	and e	other	detai	ls:		-					-					
	Installation Status of (1) OCEMS (2) Web Camera									Yes/N Yes/N	97800) (7	day.					
	(3) Flo	eter							Yes/N	lo:-	No, v	– note	h				

#### 35. Specific Observations:

- During manufacturing process, high COD and low COD effluent streams are generated, however no segregation of these streams was observed and both streams are collected in common collection tank at ETP.
- Analysis result of sample collected from ETP inlet collection tank show BOD (1913 mg/l) and COD (4815 mg/l), hence possibility of by-pass of high COD effluent in recipient drain can't be ruled out.
- The ETP system is based on physico-chemical treatment, which is inadequate to treat the effluent having such characteristics in terms of BOD and COD.
- 4. High COD have more recalcitrant substances and removal of such substances through conventional treatment system having primary, secondary and tertiary treatment system is not being achieved. Therefore, appropriate treatment systems such as multi-effect evaporator/incineration/advanced oxidation process (AOP) may be installed for archiving ZLD approach.
- Analysis results of sample collected from ETP outlet show BOD-39 mg/l & COD-118mg/l
  indicating 97% reduction in BOD & COD without having secondary biological treatment.
  Thus possibility of dilution with freshwater in ETP system can't be ruled out.
- The treated effluent from ETP of the unit is not complying w.r.t. the notified discharge norms i.e. BOD – 39 mg/l against the norm of 30 mg/l.
- The unit has not installed Online Continuous Effluent Monitoring System (OCEMS) at ETP outlet
- Unit has installed flow meter with totalizer at one borewell only and maintained logbook for the same. Unit representative informed that the other borewell is not in use from long time.
- 9. Unit has installed electromagnetic type flow meter at ETP inlet.
- Unit has installed v- notch at ETP outlet channel and maintained logbook for the same.

#### Key issues

- ETP system is diluted with freshwater and partially treated/untreated effluent is discharged by the unit into recipient water bodies.
- 2. Inadequate effluent treatment system to treat high BOD and COD effluent.
- Unit has not provided the flow meter at one borewell, RO feed, RO reject and for domestic use
- OCEMS is not installed at the outlet of ETP.

#### 36. Specific Recommendations:

- Unit shall provide segregation of high COD and low COD streams.
- 2. Existing ETP is not adequate to treat effluent to comply with effluent discharge norms.
- Unit should install appropriate treatment system such as multi-effect evaporator/incineration/advanced exidation process (AOP) after installation of stripping column to remove high COD and BOD from the high COD stream.
- Unit shall install flow meter with totalizer at second borewelland maintain logbook for the same on daily basis.
- Unit shall install flow meter with totalizer at ETP outlet, RO feed, RO reject and for domestic useand maintain logbook for the same on daily basis.
- Unit shall install Online Continuous Effluent Monitoring System (OCEMS) at ETP outlet and provide its connectivity with CPCB/UPPCB server.

37.	Overall Compliance status	a. Unit is non-complying w.r.t. consented discharge norms
		b. Non-installation of OCEMS
		c. Not having the adequate effluent treatment facility

38.	Inspection team details:								
S.No.	Name of official	Designation	Organisation	Signature					
1.	Dr. Satya	Scientist - E	MoEF&CC						
2.	Dr. R.K. Singh	Scientist - D	CPCB Delhi	Oxtop					
3.	Sh. Imran Ali	AEE	UPPCB	Oyun					
4.	Sh. Ashish Kumar	Hydrologist	UPGWD	(M)>					
5.	Ms. ShivangiGoswami	RA – II	CPCB Delhi	(Bluverrage					
6.	Mr. Ankit Shukla	SRF	CPCB Delhi	Augu					
7.	Mr. Mancesh Yadav	JRF	UPPCB	The state of the s					

### Photographs taken during visit:



Photo 1: ETP inlet flow meter and Chemical dosing tank



Photo 2: Plate settler



Photo 3: Aeration tank (Non-biological) type



Photo 4: Secondary clarifier



Photo 5: Tertiary treatment (filtration units)



Photo 6: ETP outlet channel



Photo 7: ETP sludge stored separately in drums



Photo 8: Fuel (Bagasse) storage area





Boiler Photo 10: Cyclone separator



#### U.P. Pollution Control Board

#### CONSENT ORDER

Ref No. -96274/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNA GAR/2020

Dated: 24/07/2020

To,

Shri MOHIT GARG M/s SARAL CHEMTECH LLP

Khasra No. 1225, 1226, 1227, 9Th Km, Jansath Road, Sher Nagar, Muzaffarnagar

(U.P.), MUZAFFAR NAGAR, 251001 MUZAFFARNAGAR

Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) Sub: to M/s. SARAL CHEMTECH LLP

Reference Application No. 8776380

Dated: 24/07/2020

- 1. With reference to the application for consent for emission of air pollutants from the plant of M/s SARAL CHEMTECH LLP. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions.
- This consent is valid for the period from 10/06/2020 to 31/12/2024. 2.
- 3. Inspite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Previntion and Controt of Pollution) Act, 1981 as amended.

This consent is being issued with the permission of competent authority.

#### For and on behalf of U.P. Pollution Control Board

Nishi Kumar Chauhan

Digitally signed by Nishi Xumar

Chauhan Date 2020,07.24 11:35:09 +05'30'

Chief Environmental Officer

Circle-3.

Enclosed: As above (condition of consent):

Regional Officer, U.P. Pollution Control Board, Muzaffarnagar. Copy to:

Nishi Kumar pandy grathy kenter

Chief Environmental Officer Circle-3.

#### U.P. Pollution Control Board

Dated: 24/07/2020

#### CONDITIONS OF CONSENT

- This consent is valid only for the approved production capacity of Mefenamic Acid:-20 MT/Month, 1. Aceclofenac:-70 MT/Month, 2.6 Dichloro Phenol-70 MT/Month, Ambroxol Base-20 MT/Month, Ambroxol Hcl-10 MT/Month, Amoxicillin Trihydrate-50 MT/Month, Ampicilin Trihydrate-50 MT/Month, Albendazole-50 MT/Month, 6-APA-50 MT/Month, Benfotiamine Hel-10 MT/Month, Chlorzoxazone-20 MT/Month, Ciprofloxacin Hcl-20 MT/Month, Citicoline Sodium-5 MT/Month, Chloramphenicol Palimitate-20 MT/Month, Diclofenac Di Ethylamine-22 MT/Month, Diclofenac Potassium-10 MT/Month, Diclofenac Sodium-50 MT/Month, Domeperidone-5 MT/Month, Docetaxel-1 MT/Month, Erythromycin Stearate-22 MT/Month, Esomeprazole Magnesium-5 MT/Month, Fenbendazole-11 MT/Month, Fluconazole-15 MT/Month, Guaifenesin-15 MT/Month, Hydroxy Chloroquine-20 MT/Month, Itraconazole-15 MT/Month, Ibuprofen-85 MT/Month, Ketoconazole-15 MT/Month, Levofloxacin-20 MT/Month, Metformin Acid-75 MT/Month, Methocarbamol-11 MT/Month, Methylcobalamin-1 MT/Month, Metronidazole Benzoate-42 MT/Month, Montekulast Sodium-5 MT/Month, Ofloxacin-20 MT/Month, Olmestron-5 MT/Month, Ornidazole-30 MT/Month, Oxyclozanide-10 MT/Month, Paracetamol-80 MT/Month, Pentaprozole-20 MT/Month, Pseudoephedrine Hydrochloride-14 MT/Month, Pyrazinamide-50 MT/Month, Peramethamine-20 MT/Month, Paclitaxel-1 MT/Month, Rabeprazole Sodium-4 MT/Month, Sidnafil Citrate-4 MT/Month, Telmisartan-4 MT/Month, Teneligliptinhydrobromide Hydrate-5 MT/Month, Thiiamine Hydrochloride-15 MT/Month, Tramadol Hydrochloride-14 MT/Month, Vildagliptin-5 MT/Month.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/ process /fuel/ plant machinery failing which consent would be deemed void.
- 3(a) The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.
- 3(b) Air Pollution Source Details.

	Air Pollution Source Details				
S.No	Air Polution Source	Type of Fuel	Stack No.	Parameters	Height
1	4 TPH Boiler	Fire Wood/Agro Fuel	1	Particulate Matter	30 Meter From Ground Level
2	250 KVA DG Set	Diesel	1	Sulphur Dioxide	3.5 Meter
3	125 KVA DG Set	Diesel	1	Sulphur Dioxide	2.5 Meter

3(c) The emissions by various stacks into the environment should be as per the norms of the Board.

	Emission Quality Details Detail				
S.No	Stack No	Parameter	Standard		
1.	1	Particulate Matter	As per EPA Rules 1986		
2	1	Sulphur Dioxide	As per EPA Rules 1986		
3	1	Sulphur Dioxide	As per EPA Rules 1986		

- Quantity of other pollutants should also be as per the norms prescribed by the Board/MOEF & CC/or otherwise mandatory.
- The equipment for air pollution control system and monitoring ,as proposed by the industry and approved by the Board should be installed in their premises itself.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.

- The operation of air pollution control system and maintenance be done in such a way that the 7. quantity of pollutants should be in accordance with the standards prescribed by the Board/MoEF & CC/or otherwise mandatory .
- Unit should do provisions for fugitive emissions chimney/stack as per the norms of the Board/MOEF 8. & CC/or otherwise mandatory.
- 0 The unit should submit the stack emissions monitoring report within one month from issuance of consent order along with the point wise compliance report of the consent order. Further quarterly monitering report should be submitted .

#### Specific Conditions:

1. This consent is valid for M/s Saral Chemtech LLP, Khasra No. 1214 and 1215 9Th Km, Jansath Road, Sher Nagar, Muzaffarnagar. The land of Khasra no 1225, 1226, 1227 shall not be used for industrial purposes.

Industry shall comply the provisions of EP Act, 1986, Water (Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended.

Industry shall dispose the hazardous waste through authorized recyclers/TSDF.

4. Industry shall comply the order passed by Hon'ble NGT time to time.

This consent is valid for the product and production capacity of above mentioned product.

Industry shall comply the conditions imposed in the previous consent and NOC.

Industry shall submit latest balance sheet and accordingly fee to the Board within one month. 8. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P.

Rules 1986.

9. Industry shall send the stack/ambient air quality monitoring report from Boards Laboratory within one month.

Industry shall not use furnace oil/pet coke as a fuel.

11. Industry shall use of minimum 20 % Bio-briquette as fuel.

Industry shall ensure proper disposal of boiler ash.

13. Industry shall installed water sprinkler for control the emission of boiler ash.

14. If UPPCB or CPCB issues closure order against the industry, this consent shall remain suspended for the period till closure order is revoked, after which the consent will be effective again for the remaining period.

15. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf.

Issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board .

Nishi Kumar

Digitally signed by Nishi Sumar Chauban Date: 2020.07.2411:35:48 Chauhan

Chief Environmental Officer

Circle-3.

Dated: 24/07/2020



#### U.P. Pollution Control Board

#### CONSENT ORDER

Ref No. -96329/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/ water/MUZAFFARNAGAR/2020

To.

Shri MOHIT GARG M/s SARAL CHEMTECH LLP

Khasra No. 1225, 1226, 1227, 9Th Km, Jansath Road, Sher Nugar, Muzaffarnagar

(U.P.).MUZAFFAR NAGAR,251001

MUZAFFARNAGAR

Sub: Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974

(as amended) for discharge of effluent to M/s. SARAL CHEMTECH LLP

#### Reference Application No :8781516

I. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act, 1974 as amended (here in after referred as the act) M/s. SARAL CHEMTECH LLP is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure, in refrence to their foresaid application.

This consent is valid for the period from 10/06/2020 to 31/12/2024.

 In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Control of Pollution) Act, 1974 as amended.

This consent is being issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board

Nishi Kumar Chauhan Digitally signed by Mishi Namei Chauban Dyle: 202002 2411-3410

Chief Environmental Officer

Dated: 24/07/2020

Circle-3.

Enclosed : As above (condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Muzaffarnagar,

Nishi Kumar

Chief Environmental Officer

Circle-3.

#### U.P. POLLUTION CONTROL BOARD, LUCKNOW

#### Annexure to Consent issued to M/s.SARAL CHEMTECH LLP vide

Consent Order No. 8781516/ Water

#### CONDITIONS OF CONSENT

Dated: 24/07/2020

1. This consent is valid only for the approved production capacity of Mefenamic Acid: 20 MT/Month, Accelofenac: -70 MT/Month, 2.6 Dichloro Phenol-70 MT/Month, Ambroxol Base-20 MT/Month, Ambroxol Hcl-10 MT/Month, Amoxicillin Trihydrate-50 MT/Month, Ampicilin Trihydrate-50 MT/Month, Albendazole-50 MT/Month, 6-APA-50 MT/Month, Benfotiamine Hel-10 MT/Month, Chlorzoxazone-20 MT/Month, Ciprofloxacia Hcl-20 MT/Month, Citicoline Sodium-5 MT/Month, Chloramphenicol Palimitate-20 MT/Month, Diclofenac Di Ethylamine-22 MT/Month, Diclofenac Potassium-10 MT/Month, Diclofenac Sodium-50 MT/Month, Domeperidone-5 MT/Month, Docetaxel-1 MT/Month, Erythromycin Stearate-22 MT/Month, Esomeprazole Magnesium-5 MT/Month, Fenbendazole-11 MT/Month, Fluconazole-15 MT/Month, Guaifenesin-15 MT/Month, Hydroxy Chloroquine-20 MT/Month, Itraconazole-15 MT/Month, Ibuprofen-85 MT/Month, Ketoconazole-15 MT/Month, Levofloxacin-20 MT/Month, Metformin Acid-75 MT/Month, Methocarbamol-11 MT/Month, Methylcobalamin-1 MT/Month, Metronidazole Benzoate-42 MT/Month, Montekulast Sodium-5 MT/Month, Offoxacin-20 MT/Month, Olmestron-5 MT/Month, Ornidazole-30 MT/Month, Oxyclozanide-10 MT/Month, Paracetamol-80 MT/Month, Pentaprozole-20 MT/Month, Pseudoephedrine Hydrochloride-14 MT/Month, Pyrazinamide-50 MT/Month, Peramethamine-20 MT/Month, Puelitaxel-1 MT/Month, Rabeprazole Sodium-4 MT/Month, Sidnafil

The quantity of maximum daily effluent discharge should not be more than the following:

- //-	Effluent Disc	charge Details	
S.No	Kind of Effulant	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	2 KLD	Septic Tank
2	Industrial	17 KLD	ETP

Citrate-4 MT/Month, Telmisartan-4 MT/Month, Teneligliptinhydrobromide Hydrate-5 MT/Month, Thiiamine Hydrochloride-15 MT/Month, Tramadol Hydrochloride-14 MT/Month, Vildagliptin-5

- 3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain.
- 4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent.

	Domestic Effulant	
S.No	Parameter	Standard
1	Quantity of Discharge	2 KLD

4(b). The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms.

	Industrial Effulant		
S.No	Parameter	Standard	
1	Total Suspended Solids	As per EPA Rules 1986	
2	BOD	As per EPA Rules 1986	
3	COD	As per EPA Rules 1986	
4	Oil & Grease	As per EPA Rules 1986	
5	Quantity of Discharge	17 KLD	

- Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from
  washing of floor and equipments etc should be treated before its disposal with treated industrial
  effluent so that it should be according to the norms prescribed under The Environment (Protection)
  Act. 1986 or otherwise mandatory.
- The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry.
- The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
- The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained.

#### Specific Conditions:

- This consent is valid for M/s Saral Chemtech LLP, Khasra No. 1214 and 1215 9Th Km, Jausath Road, Sher Nagar, Muzaffarnagar. The land of Khasra no 1225, 1226, 1227 shall not be used for industrial purposes.
- The unit shall maintain strict supervision on fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.

Industry shall dispose the hazardous waste through authorized recyclers/TSDF.

- The industry should ensure the operation of the ETP in such a manner that it confirm the standards lay down under the notification issued by MOEF&CC vide GSR 978 (E) dated 10/10/2016.
- The treated effluent shall be allowed to be discharged in the ambient environment only after exhausting options for reuse in industrial process / irrigation in order to minimize freshwater usage.
- Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
- 7. The industry will have to ensure permission from the CGWA for ground water extraction and it will be the responsibility of the industry to comply with the various conditions of the permission taken.
- The unit shall submit the audited balance sheet for the current year and the details of fees deposited during last three years within a month.
- If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P. Rules 1986.
- 11. This consent is valid only for products and quantity mentioned above. Industry shallobtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 12. Industry shall abide by orders/directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board for protection and safe guard of environment from time to time.
- 13. Industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- 14. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.11-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

Issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board .

Nishi Kumar

Chauhan Dun N

Duoi, 3626.07.2111.34-45 145.30

Digitally vigned by Nishi Komar

Chief Environmental Officer

Circle-3.



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831 Fax: 0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 13439/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2020

Dated :31/01/2021

To.

M/s SARAL CHEMTECH LLP

9Th Km, Jansath Road, Sher Nagar, Muzaffamagar, MUZAFFAR NAGAR, 251001

Tehsil :Jansath

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 13439 and 31/01/2021
- 2. Reference of application (No. and date) 10179528 and 27/11/2020.
- Mr MOHIT GARG of M/s SARAL CHEMTECH LLP is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at within premises.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules L,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule-I, Cat. 5.1 Used or spent oil	Through TSDF	0.3 KL/Annum
2	Schedule-I, Cat. 28.1 Process Residue and wastes	Through TSDF	2 Ton/Annom
3	Schedule-I, Cat. 28.3 Spent carbon	Through TSDF	1 Ton/Annum
4	Schedule-I, Cat. 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Through TSDF	1 Ton/Annum
5	Schedule-I, Cat. 33.2 Contaminated cotton rags or other cleaning materials	Through TSDF	0.1 Ton/Annum
6	Schedule-I, Cat. 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	Through TSDF	\$ Ton/Annum
7.	B 1110 Used Electrical and electronic assemblies other than those listed in Part D of Schedule III	Through TSDF	0.025 Ton/Annum
8	Schedule-III, Cat. B 2020 Glass wastes in non-dispersible form	Through TSDF	0.1 Ton/Annum

- The authorization shall be valid for a period of 29/01/2026 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also earry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

#### B Specific Conditions of Authorization

- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3. The authorized person/agency shall ensure that no adverse impact on the air, soil and water

including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.

- 4. It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter.You should also maintain records on Form-3 and present it to Board's inspecting officials.
- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 7. It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 8. The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 9. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 13. You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.
- 14. It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 15. You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 16. You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution

Control Board at the earliest.

- 17. Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 18. Ground water monitoring report of premises shall be submitted within one month.
- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

(Authorized Signatory)

Nishi Kumar Chauhan Chauhan Chauhan Date: 2021.02.02 17:18:04 + 05:30

#### UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, Muzaffarnagar for information and necessary action .

Nishi Kumar Chauhan Chauh

CEO/EE, I/C Circle

#### Form 8 (C)

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uniar Prodesh Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/NO-OBJECTION CERTIFICATE NO: VALID FROM 07/10/2021 TO 06/10/2026

Acces of the Applicage	MIGHUT CLARGE		
Arbitras of the Applicates	HERLIANSATIE ROAD ARCCAPTARNAGAR	Cregory of Factors	
Exerpate Nation	SULVARAL CHERITICH LLP	Company Additions	THE N. LASSAGE BOAR VILL SELECTION
Serial No. of Application Force	MAZPONCINTADAGI	Day of Substitution	33000/04/1
Specimen Supremy of the Unit:			
Location particulars:			
District	Mustler Napa	Wark.	Monorpil Enguration Name Palike Planted Muratar Name
II., No.		Plot No.	STREM JASSABLEBOAD VILL SIERNAGAR
Managing alleged in previous	Yes	Want No.	N/A
Hidding No.			N.A.
Hate of Welfelman of the Plant	100	Hore of Convenience (for Class of Electric Champ)	roof arts
Fartisulars of the Proposed Well and Pumpin	Device:		
I pe of the Well	Tube Well During	Parpose of the Well	lahanyi
Ammobile Sicce (Fac Tader Well)	em.	Approx. Strainer Length (For Tube Wyll)	0.08
Hasseire (For Oug Well)	0.00	Type of Pump to be Cook:	Subrecodike
H.F. of the Phosps:	1.90	Operational Device	Home has
Manuscript (Reseable Rate of Withdrawal analysis):	-600	Maximum Allowable Receive Homes For Days	0.00
Manison Ulmable towed Exercise of Graced W.	mber:		Change

The See Changes, recollecte configures the countricipations during to sold or will at the because operation at \$1,120 for contaction of ground water as a network containing their anchors on \$1. (b), the durance Theorems is 11,120 for contaction of ground water as the durance of the contaction stand excellent.

Pinz

Chara

Process of Surfaces Architecture and Surveyance

#### GENERAL CONDITIONS:

In circulars sharpe of commutee of skape opined well destrumber or stemma so be obtained.

because of sent sharpe of encounterport the proposed with Contract and parameters to be obtained.
 Nicharge of because adopting this of orbitatives and parameters contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and parameters of the contracted and

as calded.

Finally, and of proceeding and insulations of depaid quantities with information what be numbers for most Dayah and support of proceeding should be connected with the addition for most become of the addition of the process. The data of the process o

Provender is in beginned, industrial and only for recovering the water level to beyone perfect unadar or industrial water level recovering competent in a discussion while water control for the control provided in the contr

- The presences in to be an inflation expected at the remainment of 41 or instance from the pumping with dataset which grown water to being institutions. The dataset is the presence in which the instance is the presence in which is a first or instance.
- The dipti of the previous at a hald the same nor name of the pumping well than what ground water a hone; the broken of the annulus are parameters as a saturable the second personal water anything to be all lightness studies, as well as despite a same that they are become and the or personal water anything the beautiful and the area of the same that they are become about the or personal water any the first and the area of the area

S Sea	Question of Ground males in the bonal scale date in	No of piccession released	Montes and Machinery	
		100000000000000000000000000000000000000	Manual	DWAR out Towns
4.1	- pri		11	W Charles of the Control of the Cont
2	1) - 44	4	1	-
A	144-3440		10	TV.
+	- 900	2	10	

- The recovering frequency details by months and according of the maximum should be up to can the months determined thought by precise motor agost two described or maximum should be up to can the months of recovery (PMLH) and according to the should be informative out food unusual Assessment and recovery (PMLH) and according to the should be informative out food unusual formation of some first of representative out of some first between the should be informed to the precise of some first of the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed to the should be informed. The continues to personate the should be informed to the should be informed. The continues to personate the should be informed to the should be informed. The continues to personate the should be informed to the should be informed. The continues to personate the should be informed to the should be informed.

  5. The should be informed to the should be informed. The continues to personate the continues the should be informed to the should be informed.

- Transmitted for the approximate processes the control of the processes and control of the processe
- METERS CUNDITIONS

- SPECIAL CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE CONSTRUCTORS
   COLUMN TO THE C

- (B) hab sometiment beet the No Discourse Conflictor to general wine obstances will be expended by the indicating specific condition.

  The Low of objects the region deviations, proposed adult be expended to care on eight providing of deviating pages and an indicating records and related to the proposed by the proposed in the proposed
- to bit allered of Scores Transcent Plant (STP) shell be remainted for the property where grown value requirement a mine data 25 per like. The reportion 5 TP shell be indiced for total facility, and to calle and months

This NOC is not authorized by any Official, This should only be used for Preview purpose, यह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वविशोकन के उद्देश्य से प्रपोग किया जाना चाहिए।



#### Form 8 (C)

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Utter Protech Ground Water Management and Regulation Act, 2015.]

#### AUTHORIZATION/NO-OBJECTION CERTIFICATE NO:

VALID FROM 07/10/2021 TO 06/10/2026

Natural of the Applicant	MOUT GARD		
Address of the Applicants	HER JANSAHI ROAH MEZAFSARNAGAS	Cargary of Fananc	
Enterpolis Nation	SULVARIAL CHERTICITED	Campan Addition	THE WAY TANKSHI BOAR YELL SERVICIAL
Serial No. of Application Form	ACOPS FOR PAING	Dair of Nahadistine	1/4640401
Speciation Seguitary of the Unit:			
Location particulars:			
Bosu	Neoffe Nger	Mark	Managal Coperange Naga Pakko Farahad Mazatis Naga
II. Sx		Plot No.	OTHER ASSESSMENT AND VILLA MILES AND AND ASSESSMENT ASSESSMENT AND ASSESSMENT ASSESSMEN
Masin paleyet organism.	Yes	Wate No.	N/A
Holding No.			NA
Hypo of Wide Install (m. Nice)	+40	Sher of Energication (In Coor of Hortoir Pang)	meg-2019
Particulars of the Proposed Well and Postging	g Device:		
Type of the Well	Tube Well-Breng	Perpose of the Well	Indisons
Assembly him the Take Wells	HARY	Appears, Strobner Length (See York: Well)	0.18
Housever (from theg. Well)	1000	Type of Pump to be knee;	Nebrasidad
H.P. of the Possyr.	1,91	Operational liveley	Harang Mesos
Massaum Olevolde Rate of Williams and Shalt	Life	Marsman Allowable Running Owners Per- Days	5.00
Mariement (Herealdy Assumed Extraction of Greened Th-	there		Manual Control of the

The No dispression configuration on the contrat applicant position and a sold in the location appellical SE (2) for cheavage of ground train at a national excepting that in down at 11 (1), the features training the includes a fine of a 18.8 (18) and for requirement down this carried exception of ground except to the charge training to the charge training to the charge training to the charge training to the charge training to the charge training training to the charge training

Flat

Date

Your Extend to Newgood the h house Authors and Desgradesi

#### GENERAL CONDITIONS:

The Carefulnian Administrator book. Itself beneficial agency of the rest from the date-chance. The applicant shall have to gain decreased through a finding parketing at their same the expect output.

in status.

Contrations pressures and regulates of depth ware level moreles with inference shall be expended to an another transfer and inference with the property of the property and resolution of the property of the prop

Planetagy is alterested table of tood ords for manually the state level in leaving the tipe provide to purpose a purpose a purpose it is the tood to the enter couple for one quality to neg table on record General provides for traditional of purposes are in follows.

- The processes is to be received be decreased at the sources of Mondaneses from the purpose mak through which growed water to being middlesses. The changes of the annual to about to about the purpose.
- The digits of frequencing should be some or two of the paragrap, and frequent above the paragraph of the new third proving an analysis to special provincial and analysis of the paragraph. The paragraph of the paragraph of

5 No	Quantum of Ground water will below at transitive	No of preventers request	Mentage Machinery	
		The state of the s	Manuf	BWOLES Teachers
1	-,36	0.00	0.	H.
2	(J = 90	1	1	
4	55- 991	- 1		2.0
4	-90	2	0	2

- The recovering inspaces should be expected and accounts of management should be up to an instance of some inspected or solver in the contract of solver in the contract should be discussed to the contract of solver in the contract should be discussed to the contract of solver in proceedings of solver in the contract of solver in proceedings of the contract of solver in proceedings of the contract of solver in proceedings of the contract of solver in proceedings of the contract of the contract of solver in proceedings of the contract of

- SPECIFIC CONDITIONS

- APECIDENCE CONSISTIONS.

  (A) For before the Disputed Function in present of the selection of the present of the present of the supply of the desired quarter of values and the greated only of selection of presents of selection or present of the supply of the desired quarter of values and the greated only of selection or presents of the supply of the desired quarter of values and the supply of the desired quarter of values and the supply of the selection of the supply of the

- (Ellefraturators) User: The No (Nection Correction points) was decided out to possed advances (the inflorors) specific continues:

  [2] In the 1st effective project this copies deciding projects did the copies of the control of specific projects are project to the project of the decided of the project of the decided of the project of the decided of the project of the decided of the project of the decided of the project of the decided of the project of the decided of the project of the project of the decided of the project of t
- IN EXPLICATION SITURE TO COMPANY THE CONTROL OF THE confinery ex-

This NOC is not authorized by any Official. This should only be used for Preview purpose. यह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्वावलोकन के उद्देश्य से प्रपोग किया जाना चाहिए।

#### INDUSTRY INSPECTION REPORT (PULP & PAPER)

A. General section	Date of inspection: 16,01,2024
THE PERSON NAMED IN	Date of manecuon, 10,01,2024

1.	Name of the unit with complete postal address:	M/s Silverton Pulp and Papers Private Limited, Unit-I, 9th Km stone, Bhopa Road, Muzaffarnagar		
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only		29.467475, 77.788994	
3.	Industry Operational status	Operational		
4.	Consent status	CCA dated 14/12/2023 and no: 196720/UPPCB/Muzaffarnagar(UPPCBRO)/ CTO/both/MUZAFFARNAGAR/2023 available with validity till 31/12/2027 (Annexure-I)		
5.	Environment Clearance	Yes, (665/Parya/SEAC/4570/2018 dated 31-01-2019)		

#### B. Production process and infrastructure

6.	Process	Manufacturing of Kraft paper using waste paper/imported waste paper/virgin pulp					
7.	Raw material						
	a. Consented value	Waste paper/Imported waste paper/virgin pulp 375 MT/day					
	b. Actual consumption (as per logbook)	Indigenous waste paper-10908.5 MT Imported waste paper-8774.4 MT (Oct 01, 2023 to Jan 14, 2024)					
	c. Avg. daily consumption	Indigenous waste paper-102.9 MT/D Imported waste paper-82.7 MT/D Total-185.6 MT/D					
8.	Production	(Oct 01, 2023 to Jan 14, 2024)					
	a. Consented value	Kraft paper-300 MT/D					
	<ul> <li>b. Actual Production (as per logbook)</li> </ul>	19137.16 MT (Oct 01, 2023 to Jan 14, 2024)					
	c. Avg. daily production	180.54 MT/D					
	d. Yield (%)	97.27 % of raw material					
	e. Non-paper waste production	2.73 % of raw material i.e. 5.07 MT					
9.	Fresh water consumption						
	a. NOC from CGWA/other authorized body	NOC for 01 barewell from Ground Water Department, Ministry of Jal Shakti, Government of Uttar Pradesh under Registration nos. 202103000052 and valid up to 13/03/2026 (annexure-II)					
	b. Details of borewell	01 borewell with flow meter found installed					
	c. Permitted withdrawal quantity	1170 KLD					
	d. Average daily withdrawal quantity	360.80 KLD					
	e. Specific fresh water consumption	2 KL/MT of paper production					
	f. Piezometric well	02 with telemetry (common for Unit-I & Unit-II					
10,	Effluent Management						
	a. Consented discharge value	1200 KLD					
	b. Actual effluent generation	79300 KL					
	(as per V-Notch logbook)	(from 01st October, 2023 to 31st December, 2023)(logbook annexed)					
	c. Avg. daily effluent generation	944.04 KLD					
	d. Specific effluent generation	5.23KL/MT					

	e. Actual efflue (as per V-No	ent discharge atch logbook)		2023) (lo	<sup>2</sup> Octob gbook	ber, 2023 to 31st December, annexed)	
	f. Actual recyc	d effluent	to roster	of Mag	ion, no discharge was found due ih Mela, 2024		
	within proce						
	g. Avg. daily ef	ffluent discha	rge	Average-	322.05	KLD	
	h. Specific efflu	de .	1.78 KL/I				
	i. Remark			due	to ro	ction, no discharge was found ster of Magh Mela, 2024 to 18.01.2024).	
11.	Effluent treat	ment plant	(ETP)				
	a. ETP consist			Clarifier Tank→Se decanter-	(slud; condar SDB-	zation Tank→Sedi-cell→Primary ge to pulp mill)→Aeration ry Clarifier (sludge to →Incineration CF→Discharge	
	<ul> <li>b. Installed ca</li> </ul>	pacity		1200 KLD	1		
	c. Metering at	ETP		Effluent generatio	n	No, only V-notch installed	
			Partially treated Recycling		Yes, electromagnetic flow meter installed		
			Primary s recycle to process	ludge	No		
			Effluent Discharge		No, only V-notch installed		
	d. Operational	status of ETF	,	Operational Flow at inlet: 11 cm = 18.87 m <sup>3</sup> /hr		em v 10 07 mla	
				MLVSS/M	CC in	aeration tank; 1744/4867	
	e. OCEMS at E	TP outlet		OCEMS W	as fou	and installed at outlet of ETP &	
				connected	with (	CPCB & SPCB servers.	
	f. OCEMS valu		Flow-0.26 m <sup>1</sup> /hr, pH-7.44, BOD-20 mg/l, COD- 122 mg/l and TSS-23 mg/l				
	Effluent Chara						
	Parameter	ETP inlet	Recycled from pr	rimary		Norms as per consent	
1	pH	6.3	6.2	The state of the s	Lin	it is operating on ZLD system	
- 15	Color (Hazen)	15	20			are operating on zero system	
16	BOD (mg/l)	2047	194				
16	COD (mg/l)	4528	421				
- 1	TSS (mg/l)	4150	120				
1	TDS (mg/l)	9888	980				
	Sulphide (mg/l)		7.6				
	ETP Sludge ge	eneration					
	a. Biological s (as per log	tion	Process 05/01/202 02/02/202	24);			
	b. Daily sludg	e disposal		11.61 Kgs			
1	c. Specific slu		on	0.06 Kg/M		aper	
- 1	d. Estimated % of inlet	sludge gener	ration @ 30	1175.33 K			

		Management Project)
	f. Remark	The logbook data provided for sludge dispose for the two months is much less than the estimated value of sludge generation, which indicates that unit is not maintaining the logbook property.
12.	Non-paper solid waste management	(Plastic waste)
	Non-paper solid waste generated     (As per logbook)     Daily waste generation	2023)
	c. Specific Non-paper solid waste generation	3.14 MT/D 0.02 T/T of product
	<li>d. Potential of plastic waster generation @3.5 % of paper</li>	6.32 MT/d (3.5% of product)
	e. Remark	The logbook data provided for plastic waste generation is much less than the estimated value of plastic waste generation, which indicates that unit is not maintaining the logbook properly.
13.	Air Pollution management	- various property.
	a. Boiler capacity	80 TPH with turbine of 16 MW capacity
	b. Stack details	Stack Height-65 m
	c. APCD installed	Electrostatic precipitatos
	<li>d. Estimated steam requirement @ 1.7 T/T of paper produce</li>	306.92 T/day
	e. Name of the Fuel used	Coal, firewood (leaves), biomass (rice husk) and baggase
	f. Fuel consumption (as per logbook)	Bagasse-14762 T/d Firewood (leaves)-227.9 T/d Coal-27712 T/d Rice husk-10311.05 T/d Total-53012.95T/d (Oct-Dec, 2023)
		*Unit has installed a common boiler of capacity 80 TPH for both the Units (I & II). Unit has provided a common logbook for fuel consumption and ash generation for both the units.
	g. Estimated fuel consumption @ 3 T steam/ T of fuel	102.3 T/d
	h. Avg. Daily fuel consumption	Bagasse-160.5 T/d Firewood (leaves)-2.5 T/d Coal-301,2 T/d Rice husk-112.1 T/d
		Avg.=576.2 T/d
	i. Avg. Daily ash generation	88.04 T/d (Oct-Dec, 2023)
	j. Ash generation w.r.t. fuel consumed (%)	15.28%
	k. Estimated ash generation	Bagasse-4,4 T/d Firewood (leaves)-0.07 T/d Coal-90,36 T/d Rice husk-19.6 T/d
		Total=114,43 T/d
	Disposal of ash generated	Bottom ash was provided to M/s Bulk Ash Supplier, 870/13, Bhopa Road, Muzaffarnagar (U.P.) which supplies ash to cement factory.

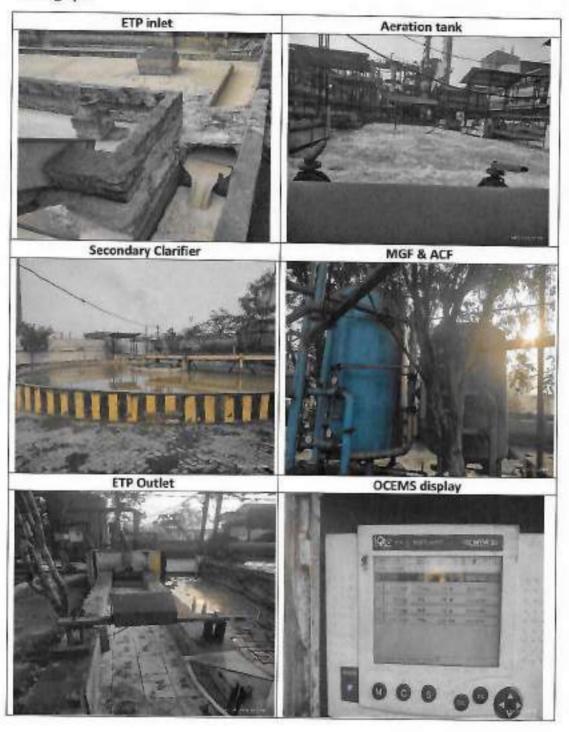
						Ranau Budh	h was pro any namel iti Lateefpi Nagar (U.P	y M/s M ur, NTP( .)	lack F C Road	een In d, Dad	fra. V	illage
	m. Stack monitoring n. Remark				• The (88, estin whice the I	<ul> <li>42.2 mg/Nm³ (against 80 mg/Nm³)</li> <li>The logbook data provided for ash generation (88.04 MT/day) is much less than the estimated value of ash generation (114.43), which indicates that unit is not maintaining the logbook properly.</li> <li>End point of fly ash disposal could not be</li> </ul>						
14.	Hazardous v	vaste i	manag	jemei	nt	1 (50)	rou.					
	Authorization	status				17844 MUZAI	rization /UPPCB/Mi FFARNAGA III 02/08/2	R/2022	agar(L dated	03.08	ref, 0)/HV .2022	no. VM/ and
	Copy of agreement with recyclers /TSDF Hazardous waste generated				F M/s SF Cotton Waste used/e 05/01/ Cotton Proces	neetala Was Waste-30 oil-146 empty cont (2024)	ste Man Kgs, W L, Pro- ainer-2! 0 Kgs, 05 Kgs,	ageme aste c cess 5 Nos. Wa: used/	hemica sludge- (Form ste oi empty	1-250 580 10 c	Kgs, lated	
15.	Groundwate Parameters	r analy	sis re		(insid	e unit pr	emises)	CI-		Sec.		
	(Although the second		2000)	D	5	100000000000000000000000000000000000000	Alkalinity		504	P	NO <sub>3</sub> -	
	Acceptable limit as per BIS IS 10500:2012	6.5- 8.5	05	,	500	200	200	250	200	01	45	
	Results	7.5	BDL	BOL.	496	343	234	43	130	0.29	BDL	
	Parameters	NO2-N	Na*	K+	Ca <sup>2+</sup>	Mg <sup>2+</sup>	PO <sub>6</sub> 3-	Cond	As	Cd	Co	
	Acceptable limit as per BIS IS 10500:2012				75	30			0.01	0.003	53	
	Results	BDL	28	6	68	42	BDL	800	0.01	BDL	BOL	
	Parameters	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	٧	Zn	
	Acceptable limit as per BIS IS 10500:2012	0.05	0.05	0.3	0.1	0.02	0.01	*	0.01		05	
	Results	BDL.	BDL	0.06	0.38	BDL	BDL	BDL	BDL	BDL	0.02	1
*All parameters are in mg/l except pH & Color (Hazen).  Major observation  a) During inspection unit was operating at ZLD by recycling the effluent clarifier to process area.  b) Unit has permission to discharge the treated effluent. However, during unit was operating on ZLD and effluent was not discharged outside the c) Bottom ash was provided to M/s Bulk Ash Supplier, 870/13, Muzaffamagar (U.P.) which supplies ash to cement factory. Fly ash was a brick manufacturing company namely M/s Mack Feen Infra, Villateefpur, NTPC Road, Dadri, Gautam Budh Nagar (U.P.).  d) Plastic waste produced by the unit is sent to M/s K K Duplex & Paper I Jansath Road, Muzaffarnagar (U.P.) which have waste to energy both.					uring i the pr 3, Bho was p Villag	nspec emise pa R	tion, s. oad, ed to nauti					

	estimated plastic waste generation of 6.32 MT/day, which indicates that a unit is not maintaining the logbook properly.  f) Unit has provided data for sludge disposal of 11.61 Kgs/day against the estimated sludge generation was 1175.33 Kgs/d, which indicates that logbook is not maintained properly.  g) Unit has provided data for ash generation of 88.04MT/day against the estimated plastic waste generation of 114.43MT/day, which indicates that unit is not maintaining the logbook properly.
	Key Issues  a) Logbook for generation & disposal of plastic waste is not maintaining properly. b) Logbook for ETP sludge is not maintained properly. c) Logbook for generation & disposal of boiler ash is not maintaining properly.
17.	Compliance Status As per Discharge norms: Unit was operating on ZLD
18,	Recommendations:  a) Unit shall maintain proper logbook for generation & disposal of plastic waste, ETP sludge and boiler ash.

#### Inspection team details:

S.No.	Name	Designation	Organization	Signature
1.	Dr. A.K. Gupta	Additional Director	MoEF&CC	orginature
2.	Dr. Raj Kishore Singh	Scientist 'D'	СРСВ	Oxligh
	Sh. Imran Ali	AEE	UPPCB	(July
	Sh. Ashish Kumar	Hydrologist	UPGWD	0b.
3.	Dr. Vlvek Rana	Research Associate-I	CPCB	I'd am.
4.	Sh. Ankit Shukla	Senior Research Fellow	СРСВ	Ames
5.	Sh. Muktesh Chaudhari	Senior Research Fellow	CPCB	
	Sh. Maneesh Kumar	JRF	UPPCB	मिर्विमुन्दून ह

#### Photographs





#### Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibbuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828.2720831, Fax:0522-2720764, Email: info@cuppch.in, Website: www.uppch.com

196720/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG AR/2023

Date: 14/12/2023

To,

M/sSILVERTON PULP AND PAPERS PRIVATE LIMITED

9th KM, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & Authorization) under Section- 25 of the "Water (Prevention & Control of Pollution)

Act., 1974" and under Section- 21 of the "Air (Prevention & Control of Pollution) Act, 1981" as applicable (to be referred hereinafter as Water Act, Air Act respectively).

Application no. 23543743

Date :- 2023-11-23

Consolidated Consent to Operate and Authorization (CCA):

CCA is hereby granted to M/s SILVERTON PULP AND PAPERS PRIVATE LIMITED located at 9th KM, Bhopa Road, Muzaffarnagar, MUZAFFAR NAGAR, 251001 subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:

- 1.1 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-25 of the "Water (Prevention & Control of Pollution) Act, 1974.
- 1.2 This CCA is granted for the period upto 2027-12-31 from the date of issuance of this letter, under Section-21 of the "Air (Prevention & Control of Pollution) Act, 1981.

2. Production Capacity:

S. No.	Declared by the unit		Permitted by the Board
	Raw material (tpd / tpa) Wood, Agro residues: Recycled Fiber (Waste Paper)	Name of Final Products & By -products with quantity per month	
1	WASTE PAPER/IMPORTED WASTE PAPER/VIRGIN PULP - 375 MT/DAY	KRAFT PAPER- 300 MT/DAY, 40 TPH BOILER, 5 MW TURBINE	KRAFT PAPER- 300 MT/DAY, 40 TPH BOILER, 5 MW TURBINE

#### 3. Production Process Infrastructure

S. No.	Details	Declared by the	unit	Permitted by the
		Numbers	Usage / Process operation	Board

1	KRAFT PAPER- 300	KRAFT PAPER- 300	KRAFT PAPER- 300	KRAFT PAPER- 300
	MT/DAY BY USING	MT/DAY BY USING	MT/DAY BY USING	MT/DAY BY USING
	RAW MATERIAL	RAW MATERIAL	RAW MATERIAL	RAW MATERIAL
	WASTE	WASTE	WASTE	WASTE
	PAPER/IMPORTED	PAPER/IMPORTED	PAPER/IMPORTED	PAPER/IMPORTED
	WASTE	WASTE	WASTE	WASTE
	PAPER/VIRGIN PULP-	PAPER/VIRGIN PULP-	PAPER/VIRGIN PULP-	PAPER/VIRGIN PULP-
	375 MT/DAY, 40 TPH	375 MT/DAY, 40 TPH	375 MT/DAY, 40 TPH	375 MT/DAY, 40 TPH
	BOILER, 5 MW	BOILER, 5 MW	BOILER, 5 MW	BOILLER, 5 MW
	TURBINE	TURBINE	TURBINIE	TURBINE

- Unit shall obtain prior approval before making any modification in product/process/fuel/plant machinery. failing to which this consent would be deemed void.
- The unit shall inform SPCB and CPCB regarding shut down as well as resumption of manufacturing operations.
- The unit shall maintain record of daily production in tons per day in a log book duly signed daily by authorized signatory/competent authority.

#### 4. Water Conservation Measures

#### A. Fresh water consumption

- Categorization of existing groundwater area: Safe/ Semi critical /Critical// Over-Exploited/ Saline
- The unit shall obtain NOC of CGWA/SGWA(in case of use of river water, permission from irrigation department)
- Status of NOC from CGWA/SGWB; Applied/Granted
- If Granted: Number of NOC and Validity2027-12-31
- Details of Artificial recharge system/rain water harvesting unit (if any) installed with capacity
- Details of piezemeter installed i.e., numbers with coordinates.
- This CCA is valid for details w.r.t fresh water as mentioned below:

		Declaration	Permitted
S.No	Source of fresh water	Borewells/river	Borewells/river

<sup>\*</sup> In case of units adopting zero liquid discharge (ZLD), the unit shall withdraw the fresh water only to cater the losses in water accrued during industrial processes.

8. The specific water consumption shall not exceed values mentioned below as per consented product type.

Category	Specific Water Consumption not to exceed		
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<40 KL per Ton of paper produced		
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<16 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<12 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<8 KL per Ton of paper produced		
RCF and Market Pulp Based Paper Mills producing inbleached grades of papers and paperboards (ZLD)	Without Power Boiler <2.5 m3/t paper With Power Boiler <5 m3/t paper		

- Unit shall install separate sealed, calibrated Electro Magnetic Flow meters with flow totalizer at all
  water abstraction sources, utilization lines- process, domestic and boiler.
- The unit shall maintain record of daily fresh water consumption (initial reading & final reading) in a log book (in m3/day and m3/t paper) duly signed daily by authorized signatory/competent authority.

- Unit shall maintain separate logbooks for quantity of freshwater consumed in production section, boiler feed, domestics consumption and other points of utilization.
- 12. All the pipelines carrying fresh water/back water should be coloured as per protocol.
- The unit shall install Piczometric well within the premises to monitor the level of ground water and shall analyse the quality of ground water annually.

#### B. Trade effluent treatment and discharge: -

1. This CCA is valid for the quantity of maximum daily trade effluent discharge as mentioned below:

S.No	CCA is valid for	Declared by the unit	Permitted
1	1200 KLD	1200 KLD	1200 KLD

2. The quantity of maximum specific trade effluent discharge shall be as specified below:

Category	Specific Trade Effluent Discharge, not to exceed
Wood based/Agro based Pulp & Paper Mills producing bleached grades of chemical pulp, papers, paperboards & newsprint Specialty Paper Mills.	<32 KL per Ton of paper produced
Agro-Based & Wood Based Pulp & Paper Mills producing unbleached grades of chemical pulps, papers, and paperboards.	<12 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing bleached grades of papers, paperboards & newsprint	<9 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards	<5 KL per Ton of paper produced
RCF and Market Pulp Based Paper Mills producing unbleached grades of papers and paperboards (ZLD)	No discharge is allowed (100% recycle within process)

#### 5. For ZLD unit

- i Unit shall recycle all the treated effluent in the industrial process only.
- ii Unit shall ensure that no treated/untreated effluent discharged outside the unit premises.
- iii Unit shall install the flow meter at recycling point and maintain the logbooks for the same.
- iv Unit shall allow to withdraw the fresh water only to cater the losses in water accrued during process.
- Unit shall conduct the water audit and submit the same to SPCB
- vi The mill will install PTZ camera at Sedicell / back water storage tank from where the back water recycled, backwater recycling flow meter as well as at ETP (if available)
- vii The mill is advised to submit a ZLD feasibility report by a recognized institution to justify its ZLD status.
- The applicant shall operate Effluent Treatment Plant consisting of Primary, Secondary and tertiary treatment as is required with reference to influent quantity and quality.
- The treated effluent shall be recycled to the maximum extent (atleast 40%) in the process and the
  remaining treated effluent after achieving the norms as mentioned below shall be disposed off into
  the drain-name of drain, first order/second order with Lat. Log. leading to river name of river with
  Lat. Log.

Parameters	Norms for Agro based paper mill	Norms for RCF bleached pulp & paper mill	Norms for RCF unbleached grade paper mill	Norms for RCF unbleached grade ZLD paper mill
pl1	6.5 – 8.5	6.5 – 8.5	6.5 - 8.5	No discharge is allowed
TSS, mg/I	<= 30	<30	<30	No discharge is allowed

BOD, mg/l	<- 20	< 20	< 20	No discharge is allowed
COD, mg/	<- 200	< 150	< 150	No discharge is allowed
TDS, mg/l	<- 1800	< 1600	< 1600	No discharge is allowed
Color, PCU	<- 250	< 150	< 150	No discharge is allowed
AOX, mg/l	<-8	-	-	No discharge is allowed
SAR	< 10	< 8	< 8	No discharge is allowed

- In the case of land application of treated effluent, unit shall submit irrigation management plan
  prepared by any government technical institute of repute. During no demand period for irrigation, the
  treated effluent to be stored in a seepage proof lined pond (Lagoon) having 15 days holding capacity
  only.
- Jiffluent Treatment Plant shall be stabilised prior to the resumption of manufacturing operations.
- The unit shall install a flow meter with totalizer on the recycling pipe line from ETP and the flowmeter should be connected to State/CPCB Server.
- Flow measuring devices should be provided for measurement of quantity of industrial effluent generated, industrial effluent recycled and industrial effluent discharged. Logbook for the same shall be maintained by unit.
- 10 The unit shall maintain daily record/log book of raw material (waste paper) consumption, chemical consumption (process & ETP separately), paper production, energy consumption (process & ETP separately).
- Sampling points should be installed at ETP inlet, ETP outlet, effluent recirculation lines and at other points as deemed necessary.
- The unit shall justall OCEMS at ETP outlet for the parameters flow, pH, TSS, BOD & COD and provide connectivity with CPCB and SPCB server as per the guidelines issued by CPCB.
- The unit will cusure the continuous and uninterrupted data supply from the OCEMS to the CPCB and SPCB server and periodic calibration of OCEMS.
- 14. For Wood based/Agro based paper mill:
- The unit shall install Chemical Recovery System for management of black liquor. Appropriate black liquor spillage system should be available to prevent its escape along with other effluent streams.
- b) The unit should maintain log book of Chemical Recovery System indicating quantity of black liquor processed, white liquor generated, soda ash produced (if applicable), running hours etc.
- c) In case of any discharge of Black Liquor from the unit the Consent to Operate/Authorization (CCA) issued to the unit shall stand withdrawn with immediate effect.
- The unit shall have adequate onsite environmental laboratory facility for qualitative analysis of different effluent stream, and manpower for monitoring and recording TSS, TDS, COD & BOD & MLSS level in ETP inlet and outlet on daily basis.
- 16. The unit shall set up an Environment Management Cell within unit as per the Charter.
- The unit shall submit analysis report from the authorized laboratory for all parameters as mentioned for paper unit.
- 18. All flowmeter should be calibrated annually from recognized institutions/vendor.
- 19. The unit shall prepare material balance and water balance report annually.
- The unit shall submit its ETP Adequacy Assessment Report to the concerned State Pollution Board (SPCB).
- 21. The unit shall get its ETP performance evaluated by a third party annually.
- 22. The unit shall identify recipient drains/rivulets and their u/s & d/s location in consultation with SPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under linvironment (P) Act, 1986 and shall submit the analysis report on monthly basis to SPCB.
- C. Domestic effluent/Sewage treatment and discharge: -

 This CCA is valid for the quantity of maximum daily domestic effluent/sewage discharge as mentioned below;

S No.	Detalis	Permitted
1.	Maximum daily discharge of sewage	5,0
2.	Treatment facility	SEPTIC TANK
3.	Discharge point	SEPTIC TANK

- \* In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- The domestic effluent should be treated in the sewage treatment plant so that it should be in conformity with the prescribed norms;

- D. C.C.C. (2006) 2007 (1977) 1000 (2007) 1000 (2007)	The second secon	· · · · · · · · · · · · · · · · · · ·
S.No	Parameter	Standard

- Flow measuring devices should be provided for measurement of quantity of sewage generated, sewage recycled (if any) and sewage discharged. Logbook for the same shall be maintained by unit.
- Sampling points should be installed at STP inlet, STP outlet, recirculation lines and at other points as deemed necessary.
- The unit shall maintain daily record/log book of chemical consumption in STP (if any), energy consumption of STP, STP sludge generation and disposal separately.
- Unit shall explore the possibility to recycle the treated used water shall be utilized in gardening, irrigation, industrial utility and toilet flushing to minimize the fresh water consumption up to 20 % per year.
- Separate arrangement should be made for collection of industrial and domestic effluent in closed water supply system.
- 6. Cleaner Technology & Waste Minimization Practices:

#### Background:

to take appropriate measures in a time bound manner through preparation of individual action plans and implementation of cleaner technology options by the Pulp & Paper mills. To facilitate the Pulp & Paper mills, a Charter for 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' was formulated. Clean Technology measures mentioned hereunder are indicative of systems, processes and practices that are generally considered essential for achievement of the objectives of the Charter. However, individual unit may opt for technology actually required for implementation according to their requirement and circumstances like scale of operation, system configuration, products portfolio and raw materials etc. Unit shall ensure implementation of the following cleaner technology options within four to six months from the date of issuance of this CCA:

- Biomethanation of High Pollution Load Stream (like Raw material washings in agro based pulp and paper mills as well as High COD back water stream in RCF based Kraft Paper Mills operating on ZLD
- Installation of Compressed Biogas System for converting raw biogas into compressed biogas to be used as fuel
- c. Oxygen Delignification & Delignification & Delignification amp; ECF bleaching for agro & Delignification amp; E
- d. Use of jet acrators for improved biodegradation in aeration tank and increased DO level
- e. Press Washers in Pulp Washing to optimize water consumption acceptable under charter
- f. Sludge Drying Beds to be discontinued. Only sludge dewatering system, centrifuge etc
- g. Appropriate plastic waste disposal system to be installed by RCF based pulp and paper mills
- Closed loop fiber recovery and backwater system using poly disc filters or DAF (Dissolved Air Floatation) Units
- Environmental management system
- Unit shall setup the environmental management cell including unit head, purchase/store manager, process operation head, ETP in charge to effectively monitoring of environmental compliance.
- Unit shall setup the environmental laboratory for testing of minimum wastewater quality parameters like pH. TSS, BOD, COD, MLSS and DO, to effectively monitoring of ETP control parameters and ETP discharge norms.
- 8. Air Pollution Mitigation

 The unit shall use following fuel and install air pollution control device (APCD) of adequate capacity to comply with following:

S. No.	Equipment	Fuel	Stack height (m)	Air Pollution Control Device (APCD)	Stack Emission standards
1	I X 40 TPH MULTI FUEL BOILER	LOW SULPHUR COAL/RDF/AGR O FUEL- 450 MT/DAY		Electro Static Precipitator (ESP)	AS PER CAQM DIRECTION

- Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- iii. The unit shall ensure interlocking of air pollution control devises and production processes.
- The unit shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- Unit < operating in NCR> shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- vi. If the CAQM in National Capital Region and Adjoining areas, CPCB or SPCB issues the Closure order against the unit <operating in NCR> the consent shall automatically remain suspended for that period and after ensuring compliance and after the closure order is revoked the consent shall automatically become effective.
- 9. Noise Pollution Mitigation:
- Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure
  as is required for meeting the ambient noise standards for night and day time as prescribed for
  respective areas/zones (Industrial and Commercial) which are as follows: -

	Standards for Noise	level in db.(A) Leq	
Industrial Area		Commer	rcial Area
Day	Night	Day	Night
75	70	65	55

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

#### General Conditions:

- The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA at any given time, as may be necessary.
- In the event of issuance of Closure Direction by CPCB or SPCB to the unit, this CCA shall be deemed revoked during the closure period.
- If the unit has been issued Show Cause Notice by CPCB or SPCB, compliance has to be achieved within 45 days by the unit. However, if not revoked within 45 days, the Show Cause Notice shall be considered as a Closure direction.
- In case of non-functioning of ETP and/or STP, production has to be stopped immediately and this Board has to be intimated through a report to be dispatched by fax/phone/email immediately.
- In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.
- This CCA is valid only for products and quantity mentioned in Para 2. Unit shall obtain prior
  approval before making any modification in product/ process/ fuel/ plant machinery failing which
  consent shall be deemed revoked.
- 7. Compulsory documents to be submitted by the Unit: -
- Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and third party audit report.
- Environment Statement in form V of Environment (Protection) Rule, 1986.
- (iii). Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- The unit shall submit Latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets- Current Liabilities) of the unit at the end of each financial year so the Consent fee payable by the unit may be verified.

- The unit shall submit Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area, Quarterly analysis reports of the samples of effluent, emission, hazardous wastes and ETP sludge from NABL accredited and EPA recognized laboratory.
- The unit shall inform in advance to SPCB/take prior permission of the SPCB to close manufacturing/production.
- 11. The unit shall submit calibration certificate of OCEMS at least once in a year to SPCB.
- made thereunder.
- If unit is found temporary closed (for the last 24 hour) during inspection and prior intimation of closure is not given by the unit, revocation of the CCA will be initiated as per the law.
- 14. The unit shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement/ outlet for the discharge of effluent or gases emission or sewage waste from the unit etc. or any change in effluent discharge point or emission point.
- In case of occurrence of an accident, complete details on form must be sent to State Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 16. The unit shall provide ports in the chimney/stack and facilities such as ladder, platform etc. as per requirement for monitoring the air emissions and the same shall be open for inspection and use at all time) by the Board's staff, the chimney/stack attached to various sources of emission shall be designated by number such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- The modification or installation in the existing pollution control equipments should be done only by prior approval of Board.
- 18. The unit will have to deposit the revised fee whenever it is notified.
- 19. Unit is covered under GPI and situated in the catchment area of River Ganges. Hence during Magh mela, unit shall immediately comply with the directions issued by the Board related to operation or temporary closure of the unit.
- Unit shall abide by the directions/ guidelines given by Hon'ble Courts, MoEF&CC and CPCB/SPCB for protection and safe guard of environment from time to time.
- Unit shall comply the conditions of Environment Clearance issued by State Level Environment Impact Assessment Authority vide letter no. and dated and Consent to establish (CTE) issued by Board vide letter no.
- 22. The unit shall develop plantation of tall trees of suitable species on minimum 33% of the land on which the unit is established as per the guidelines set up by the Board vide its Office Order no dated. The copy of this guideline is available at URL http://www...
- 23. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 24. The person authorized shall implement Emergency Response Procedure (ERP) for which this CCA is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 25. The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises.
- The unit shall maintain and provide 'Inspection Book' at the time of inspection to the Board's
  officials.
- The unit shall provide uninterrupted accessibility to the STP's/ETP's inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of pollution control measures.
- The unit shall maintain good house-keeping. All valves/pipes/sewer/drains etc. must be leak-proof.
   This consent is being issued with the permission of competent authority.

#### Specific Conditions:-

 This CTO is valid only for the production capacity of KRAFT PAPER- 300 MT/DAY BY USING RAW MATERIAL WASTE PAPER/IMPORTED WASTE PAPER/VIRGIN PULP- 375 MT/DAY, 40 TPH

BOILER, 5 MW TURBINE Only at site 9TH KM, BHOPA ROAD, MUZAFFARNAGAR, U.P., PIN-251001.

- Earlier Board has issued a CTO vide Ref No. 128588/UPPCB/MuzaffarNagar (UPPCBRO)/CTO/air/MUZAFFARNAGAR/2021, Dated: 11/08/2021 and Ref No. - 130410/ UPPCB/MuzaffarNagar(UPPCBRO)/CT O/water/MUZAFFARNAGAR/2021, Dated: 11/08/2021 is revoked
- The industry must comply the conditions of NOC issued to its sister unit from the UPGWD for abstraction of ground water.
- Industry must obtained NOC from UPGWD for abstraction of Ground Water and submit the copy to the Board within 3 months, failing which consent shall be deemed automatically cancelled.
- 5. The industry must submit a proof of submission of Bank Guarantee in the Board, if not then submit the Bank Guarantee as per issued CTE to unit by the Board on 16.05.2021 at specific condition No. 19 within a month to the Board, failing which consent shall be deemed automatically cancelled.
- 6. No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 7. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 8. The unit will not use agro based raw materials in the production process.
- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 10. The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server as per the direction of CPCB.
- 12. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 13. The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 14. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- 15. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 16. The industry shall operate as per norms 1 X 40 TPH MULTI FUEL BOILER installed with Electro Static Precipitator and 45 Meter Combined Stack Height From Ground Level. Fuel for 40 TPH Boiler is SULPHUR COAL/RDF/AGRO FUEL- 450 MT/DAY. Only Approved Fuel Be Permitted as Per CAQM Direction.
- 17. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 18. As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice

Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQMin point no. 65.

- 19. Unit shall comply with direction issued under Graded Response Action Plan (GRAP) time to time by Hon'ble Supreme Court & Commission for Air Quality Management in NCR and Adjoining Areas (CAQM).
- 20. Operation and maintenance of APCS shall be done in such a way that the emission generated from stacks is always within prescribed norms of the Board.
- Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 53 and 62 and other direction issued time to time regarding use of cleaner fuel.
- 22. Unit shall comply with the CAQM (Commission for Air Quality Management in NCR and Adjoining Areas) direction no. 55, 62 & 68 regarding DG sets.
- 23. The unit shall be monitored all sources of emissions from Boiler/Thermopack etc. after fuel conversion from Regional Laboratories, UPPCB on payment basis within a month. To ensure emissions parameters as per CAQM order.
- 24. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- 25. The dying, bleaching and deinking process are not allowed in the production process of the unit. The unit will not use agre based raw materials in the production process.
- 26. Industry shall submit Stack Emission/Ambient Air Quality Monitoring/Analysis report from Boards Laboratory, after issuing this certificate within one month and on quarterly basis from a certified / approved laboratory under E.P. Act 1986 to the Board.
- 27. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 28. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- 29. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- 30. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 31. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 32. Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P Rules 1986.
- 33. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 34. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries\* formulated by CPCB.
- Industry shall dispose the hazardous waste through authorized recyclers/TSDF and obtained HWA from the Board for expanded Hazardous Waste Material within a month.
- 36. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 37. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.
- 38. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court,

Hon'ble National Green Tribunal, Central Pollutien Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.

- 39. Industry shall comply with various Waste Management Rules as notified by MoEF&CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.
- 40. The unit shall submit the audited balance sheet for the current year.
- 41. The industry shall establish Miyawaki forest inside the factory in sufficient area.
- 42. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

PRADEEP SHARMA Displaity separately PRACELY SHAWAA Date: 2024 0110 Jb5471

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA

Chief Environmental Officer (Circle 3)



# GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

Modification & Altration



### Form 8 (C)

[See Rule 8(1)] -

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC010277

VALID FROM 14/03/2021 TO 13/03/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Registration No.: 2	202103000053		
Name of the Owner	AKSHAY JAIN -		
Designation ਸੜ੍	DIRECTOR	Company Name कंपनी का नाम	SILVERTON PULP AND PAPERS PVT. LTD
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	4, RAINBOW VIHAR, MEERUT ROAD, MUZAFFAR NAGAR, DISTT-MUZAFFARNAGAR UP	Application No.	MZFN0321NIN0025
Date of Submission	03/03/2021	Specimen Signature	
Location Particula	ars		
District	Muzelfar Nagar	Block	Municipal Corporation/Nagar Palika Parishad, Muzaffar Nagar

/		1165		FI
Vard No./Holding No.				1
Particular of the	Existing Well and P	Umning Device		N/A
Date of Construction/Sinking of the Well	06/01/2004	ping bevice		
Type of Well	Tube Well/Boring		Don't die man	-
Purpose of well	<del>                                     </del>	-	Depth of the Well (in meter)	60.00
	Industrial -	1-	Assembly Size(For Tube Well)	
Strainer Position (For Tube	e Well)			
, pe of Pump Used	Submersible		H.P. of the Pump	12.50
perational Device	Electric Motor	12.00	Rate of Withdrawal (m <sup>3</sup> /nr.)	90.00
Date of Energization (in Ca	se of Electric Pump)		06/01/2004	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	90.00		Maximum Allowable Running Hours Per Day:	12.00
Maximum Allowable Annual Extraction of Ground Water:	356400		Recharge Required	356400.00

/			1
Ward No./Holding No.	26- C		N/A
Particular of the E	xisting Well and Pumping Device		
Date of Construction/Sinking of the Well	06/01/2004		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	60.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube	Well)		
ype of Pump Used	Submersible	H.P. of the Pump	12.50
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	90.00
Date of Energization (in Ca	se of Electric Pump)	06/01/2004	
Maximum Allowable Rate of Withdrawal (m <sup>2</sup> /hr.):	90.00	Maximum Allowable Running Hours Per Day:	12.00
Maximum Allowable Annual Extraction of Ground Water:	356400	Recharge Required	356400.00

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3j), for Running Hours per day as shown at St. (3k), and for maximum overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 356400.00 cubic meter, as specified under the application form within the given time period.

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- All Users abstracting ground water in excess of 100 m3/d shall be required to submit impact assessment report prepared by an
  accredited consultant from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight
  environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level
  decline, land subsidence etc. within three months of completion of the same to Ground Water Department Uttar Pradesh. The list of
  accredited Individuals/ Institutions is available on the official web-portal of CGWA.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at
  outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the
  contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters.
  The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons,
  if the situation so demands.
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Plezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If,
  more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate
  shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

Quantum of Ground water	Quantum of Ground water withdrawal	Production of the contract of	Monitiring Mechanism	
S.No	. (cum/day)		Manual	DWLR with Telemetry
1	<10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

supuro de given in meter upto two decimal.

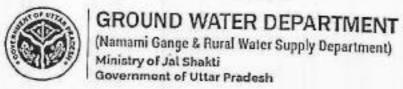
1168

- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in plezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved tab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, plezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through
  Confederation of Indian industries (Cil)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council
  (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyog Bharati certified auditors and submit audit reports within three months
  of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water
  use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring
  mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>
  /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be
  constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall
  be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises, Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
  - vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
    washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure
    prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering
  discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring
  records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
  Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date:24/06/2022 Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature

## 1169abaut:blank



#### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC029886 VALID FROM 14/03/2021 TO 13/03/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Name of the Owner ·	AKSHAY JAIN		
Designation - पद	DIRECTOR	Company Name कंपनी का नाम	SILVERTON PULP AND PAPERS PVT LTD
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	09 TH KM., BHOPA ROAD,	Application No.	MZFN0321NIN002
Date of Submission	02/03/2021	Specimen Signature	
Location Particulars	+ 1		
District	Muzaffar Nagar	Block	Municipal Corporation/Nagar Palika Parishad, Muzafar Nagar
Plu, No./Khasra No.	N/A	Municipality/Corporation	N/A
Ward No./Holding No.			N/A
Particular of the Existing	g Well and Pumping Device		
Date of Construction/Sinking of the Well	D6/01/2004	at at	
Type of Well	Tube Well/Boring	Depth of the Well (In motor)	60.00
urpose of well	Industrial	Assembly Size(For Tube Well)	
trainer Position (For Tube W	fell)		
ype of Pump Used	Submersible	H.P. of the Pump	15.00
perational Device	Electric Motor	Rate of Withdrawal	120.00
		(m³/hr.)	

1:30 PM		aboutblank	
num Allowable Rate of Indrawal (m³/hr.):	120.00	Maximum Allowable Running Hours Per Day:	15.00
Maximum Allowable Annual Extraction of Ground Water:	594000	Recharge Required	594000.00

ion

## 117 Shoutblank

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3j), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

 Holder of this NOC is hereby directed to assure annual recharge of 594000.00 cubic meter, as specified under the application form within the given time period.

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- . In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- All Users abstracting ground water in excess of 100 m3/d shall be required to submit impact assessment report prepared by an accredited consultant from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence etc. within three months of completion of the same to Ground Water Department Ultar Pradesh. The list of accredited individuals/ institutions is available on the official web-portal of CGWA.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the
   Shuation so demands
- in case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is flable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal
  through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of
  piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to
  this office on monthly basis
- · Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one
  piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper
  ground water aquiter monitoring.

No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

1	amounts was outsidened a Type of make termination	A	Monitiring Mechanism			
S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Manual	DWLR with Telemetry		
1	< 10	0	0	0		
2	11 - 50	1	1	0		
3	50- 500	1	0	1		
4	> 500	2	0	2		

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in mater upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lit capacity bottle) to the concerned Director, Ground

MEM

about blank

Water Department, Uttar Pradesh, for chemical analysis.

A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification. Any other site specific requirement regarding safety and access for measurement may be taken care of.

any other condition(s) that may be imposed by the concerned Authority.

is case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific
- . I) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- . Iii) All industries abstracting ground water in excess of 100 m<sup>2</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & industries / Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup> /day of ground water and, Monitoring of water level shall be done by the project proponent. The plezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the plezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, posticides/ insecticides, fertilizers, staughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCS list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow mater) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.

 i) Installation of Sowage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>5</sup> /day. The water from STP shall be utilized for tollet flushing, ear washing, gardening etc

Date :18/08/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature

#### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Utter Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC014444 VALID FROM 14/03/2021 TO 13/03/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

tme of the Owner	AKSHAY JAIN		
ssignation	DIRECTOR	Company Name कंपनी का नाम	SILVERTON PULP AND PAPERS PVI LTD
ampany Address पनी का पता	9TH KM, BHOPA ROAD, MUZAFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
ddross of the Applicant	4. RAINBOW VIHAR, MEERUT ROAD, MUZAFFAR NAGAR, DISTTMUZAFFARNAGAR UP	Application No.	MZFN0321NIN002
ite of Submission	03/03/2021	Specimen Signature	*
ocation Particulars .	to an appropriate the part of	CANADA CALLA CANADA CAN	
strict	Muzaffar Nagar	Block	Municipal Corporation/Nagar Palika Parishad, Muzaffar Nagar
ot No./Khasra No.	N/A	Municipality/Corporation	NA
ard No./Holding No.			N/A
cular of the Existing	Well and Pumping Device		\$ 14 T
te of nstruction/Sinking of the ill	08/01/2004	9	
pe of Wall	Tube Well/Boring	Depth of the Well (in moter)	60.00
rpose of well	Industrial :	Assembly Size(For Tube Well)	
rainer Position (For Tube W	/oll)		
pe of Pump Used	Submersible	H.P. of the Pump	12.50
perational Device	Electric Motor	Rate of Withdrawal	90.00
		(m³/hr.)	(6)

about blank

Jum Allowable Rate of 90.00 Juawal (m²/hr.):

wer:

viction of Ground 386103

Maximum Allowable Running Hours Per Day:

385100.00

13.00

Rocharge Required

hown at St. (3k), and for maximum allowsoic annual extraction at a rate not exceeding that as shown at SI, (3j), for Running Hours of ground water as shown at S1. (3k) and is valid subject to the observance of the conditions stated overleaf.

Holder of this NOC is hereby directed to assure annual recharge of 386100.00 cubic meter, as specified under the application form within the given time period.

#### GENERAL CONDITIONS:

Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.

In case of any change of ownership of the proposed well, fresh authorization has to be obtained.

At Users abstracting ground water in excess of 100 m3/d shall be required to submit impact assessment report prepared by an accredited consistent from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence etc. within three months of completion of the same to Ground Water Department Ulter Pradesh. The list of accredited Individuals/ Institutions is available on the official web-portal of CGWA.

For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow maters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water maters

The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the tuation so demands

In case of any change of ownership of the existing well, fresh registration has to be obtained.

to change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration

In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage , this registration is tiable for cancellation.

The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.

Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis

Guidelines for installation of Plezometers and their Menitoring

Piezometer is a borewell /lubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the plezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of plazometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

No. of piez	Comereis to ac construction of 1954	7	Mo	nitiring Mechanism
S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Manual	DWLR with Telemetry
1	€ 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1 1
4	• > 600	2	0	2 curement should be alver

- The measuring frequency should be mentily and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decinsal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stapped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lawered should be provided. for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground

- A Permanent display board should be installed at piezometer/Tube wells aile for providing the location, piezometer/ tube well number, depth and zone tapped of piezometerhube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.

Any other condition(s) that may be imposed by the concerned Authority. in case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt tatest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII) Federation Indian Chamber of Commerce and Industry (FICCI) National Productivity Council (NPC) PHD Chamber of Commerce & Industries / Laphu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Ultar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup> /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bars well/production well. Depth and aquiller zone tapped in the plezometer shall be the same as that of the pumping well/ wells. Mouthly ater level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute round water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter, house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- ii) Injection of treated/untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are tikely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washenes, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water polici sus
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions: i) In case of infrastructure projects that require dewatering, preponent shall be required to carry out regular monitoring of dewatering discharge nate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Munitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council. ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>2</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardoning etc

ate:10/12/2022

lace:Muzaffar Nager

This certificate is electronically generated and does not require digital signature



### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831 Fax: 0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 17839/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated :03/08/2022

To.

M/s SILVERTON PULP AND PAPERS PVT LTD 9.0TH KM, BHOPA ROAD, MUZAFFARNAGAR, DISTT.- MUZAFFARNAGAR (UP),MUZAFFAR NAGAR,251001

Tehsil: Muzaffar Nagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 17839 and 03/08/2022.
- Reference of application (No. and date) 17103485 and 14/07/2022.
- Mr AKSHAY JAIN of M/s SILVERTON PULP AND PAPERS PVT LTD is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 9.0TH KM, BHOPA ROAD, MUZAFFARNAGAR.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules LII and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 33.2 AS PER SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.150 MT/Annum
2	CATEGORY 33.1 AS PER SCHEDULE 1 (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals /Wastes)	THROUGH TSDF	2.0 MT/Annum
3	CATEGORY 5.1 AS PER SCHEDULE I (Used Or Spent Oil)	THROUGH TSDF	0.40 KL/Annum
4	CATEGORY 34.2 AS PER SCHEDULE I (Sludge From Treatment Of Waste Water Arising Out Of Cleaning / Disposal Of Barrels / Containers)	THROUGH TSDF	40 MT/Annum

- The authorization shall be valid for a period of 02/08/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

RAKESH KUMAR TYAGI

Date: 2022/08/11 21:33:58 +05'30'

#### A General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act, 1986, and the rules made there under.
- The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation.
- The person authorised shall implement Emergency Response Procedure (ERP) for which this
  authorisation is being granted considering all site specific possible scenarios such as spillages,
  leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at
  regular interval of time.
- The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

#### B Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
  Digitally signed by BAKESH KUMAR

RAKESH KUMAR TYAGI WAGI

- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be RAKESH KUMAR TYAGI 174G

Date: 2022.08 11 21:34:35 (05:31)

sent within fifteen days of receipt of this letter.

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation

(Authorized Signatory)

RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022/08/11 21:34:47 + 05:30'

#### UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action . RAKESH KUMAR TYAGI Digitally signed by RAKESH KUMAR TYAGI Date: 2022/08/11 27:35:01 +05:30'

CEO/EE, I/C Circle

#### INDUSTRY INSPECTION REPORT (PULP & PAPER)

A.	General section	Date of inspection:15.01.2024
1.	Name of the unit with complete postal address:	M/s Silverton Pulp and Papers Private Limited, Unit-II, 9th Km stone, Bhopa Road, Muzaffarnagar
2.	Spatial Co-ordinates (Latitude & longitude) in Decimal format only	29.463545, 77.785810
3.	Industry Operational status	Operational
4.	Consent status	Air Consent dated 30,12,2019 under ref no.:68254/UPPCB/MuzaffarNagar(UPPCBRO )/CTO/air/MUZAFFARNAGAR/2019 and valid from 01.01,2020 to 31,12,2024

(annexed)

(annexed)

Water Consent dated 30.12.2019 under ref no.:68250/UPPCB/MuzaffarNagar(UPPCBRO )/CTO/water/MUZAFFARNAGAR/2019 and

valid from 01.01.2020 to 31.12.2024

5.	Process	Manufacturing of Writing Printing/Kraft/Coated Duplex/News Print Paper-300 MTD using Waste Paper as main raw material
6.	Raw material	
	a. Consented value	Waste Paper (Quantity not mentioned in CTO)
	<ul> <li>Actual consumption (as per logbook)</li> </ul>	17061.9 MT (Oct-Dec, 2023)
	c. Avg. daily consumption	185.45 MT (Oct-Dec, 2023)
7.	Production	
	a. Consented value	Writing Printing/Kraft/Coated Duplex/News Print Paper-300 MTD
	b. Actual Production (as per logbook)	16646.95 MT (Oct-Dec, 2023)
	c. Avg. daily production	180.95 MT (Oct-Dec, 2023)
	d. Yield (%)	97.57 % of raw material
	e. Non-paper waste production	2.43 % of raw material i.e. 4.39 MT
	f. Remarks	Unit is manufacturing only writing grade of paper
8.	Fresh water consumption	
100	NOC from CGWA/other authorized body	NOC for 02 borewells from Ground Water Department, Ministry of Jal Shakti, Government of Uttar Pradesh under Registration nos. 202103000034 and 202103000053 valid up to 13/03/2026 (annexure-II)
- 3	b. Details of borewell	02 borewells with flow meter found installed
	<ul> <li>Permitted withdrawal quantity</li> </ul>	2880 KLD (Borewell-1: 90 × 12 = 1080 KLD; Borewell-2: 120 × 15 = 1800 KLD)
	d. Actual withdrawal quantity	217829 KL (Oct 01-Dec 31, 2023) (logbook annexed)
1	e. Avg. daily withdrawal quantity	2367.7 KLD
	f. Specific fresh water consumption	13.08 KL/MT of paper produced
	g. Piezometric well	02 with telemetry (Common for Unit-I & Unit-II)

a. Consented dis			2500 KLD					
b. Avg. daily effli			2023)	LD (V-notch log		oct 01-Nov 30,		
c. Specific efflue	nt discha	arge	9.29 KL/M	T of produced p	Daper			
d. Remarks				perated on ZLD	during insp	ection		
Effluent treatm	ent pla	nt (ETP	)					
a. ETP consists			Screens→Equalization Tank→Primar Clarifier→Aeration Tank-1→Secondary Clarifier-1- Aeration Tank-2→Secondary Clarifier 2→MGF→ACF→Discharge					
<ul> <li>b. Installed capa</li> </ul>			3000 KLD	200000000000000000000000000000000000000				
c. Metering at E	TP		Effluent ge	neration	No, or provided	nly V-note		
			point	eated Recycling		le of partials		
				idge recycle to	No			
21			Effluent Di	scharge	No, or	nly V-note		
d. Operational st	tatus of	ETP	Operationa	ľ				
				t: 10 cm × 9.0	4 m³/hr.			
			MLVSS/ML:	SS in aeration t	ank:			
			3098/7120 2326/5161	(Aeration Tank (Aeration Tank	(-1) -2)			
e. OCEMS at ETF	outlet		OCEMS W	as found insta with CPCB & SP	alled at out	let of ETP 8		
f. OCEMS values	8		pH-7.43, B 29.3 mg/l	OD-17.2 mg/l,	COD-116.1	mg/l and TSS		
g. Remark			• Tertiary to	reatment system	m (MGE 9 A/	F) installed		
			During instreated estoring the 360 m².     350 m²ea installed to 4 Unit has 1787.53 treated el to store roster (16).	not in use. spection, the uniffluent due to e treated effluent due to ch and 2 tank by the unit to st average daily KLD however, fluent was 206 effluent genera 5.01.2024 to 1 effluent is die y.	o Magh Mei ent in 01 ta 4 other tank s of 150 m <sup>2</sup> ore the treat y effluent the capacit 50 m <sup>3</sup> which ated in in tale.	la roster and nik of capacity is of capacity each are also ed effluent. generation of ty for storing is insufficient three days of and indicates		
					-			
Effluent Charact	teristics				Ata mer			
Effluent Charact Parameter	ETP inlet	ETP outlet	Norms as per consent	Compliance w.r.t. consent	Norms notified by MoEF&CC	w.r.t. notified		
Parameter	ETP	ETP outlet	as per	w.r.t.	notified by MoEF&CC	w.r.t. notified norms		
рН	ETP inlet	ETP outlet 7.3	as per consent	w.r.t.	notified by	w.r.t. notified		
Parameter	ETP	ETP outlet	as per	w.r.t. consent	notified by MoEF&CC	w.r.t. notified norms Complying		
Parameter  pH  Color (Hazen)	ETP inlet 6.3 15	ETP outlet 7.3	as per consent	w.r.t. consent	notified by MoEF&CC 7.0 - 8.5	notified norms Complying		

	TDS (mg/l	) ]	4264	306	4	- 1	-	1			
	Sulphide (mg	9/1)		3							
	SAR ETP Sludge	gene	ration	13	_	-	*				
	a. Biologica	al sluc	ige gen		Pr	ocess si	udge-930	Kgs	(Form	n 1	0 dat
	b. Daily slu	dge d	isposal		20	/01/2024) -1 Kgs/d	; 255 Kgs (	Form	10 date	d 02/	02/2023
	c. Specific	sludge	e dispo	sal		11 Kg/MT	of paper			_	-
	d. Estimate generation TSS load	on @	30 %	sludge of inlet	28	7.43 Kgs/d					
	e. Sludge disposal	Mar	nageme	nt &	Th	rough TSI	OF (M/s S	heetal	a Wast	e Ma	nageme
11.	f. Remark				ge	neration,	he lanhaak	estima dicates	ted va	dge d Nue d unit	of sludg
14.			waste	manag	eme	nt (Plasti	c waste)				
	a. Non-pape generate	d (As	solid per log	waste (book)	30	9.92 MT (a	s per logbo	ok dat	a of Oc	t-Dec,	2023)
	b. Daily was	ste ge	neratio			6 MT/D		<b>E</b> E			
	c. Specific waste ge	nerati	-paper ion	solid	0.0	2 T/T of p	roduct				
	d. Potential generatio		olid .5 % o	waste paper	6.3	3 MT/D					
	e. Remark				ger	3.36 MI/d neration of	rided data ay against 6.33 MT/d ning the lo	the es	timated	d plas	tic wast
12.	Air Pollution	man	ageme	ent	100	De Trigillion	ning are to	JUGUK	properi	у	-
	a. Remark				con gen Silv	i for both nmon logi neration fo	alled a cor the Units ( book for t both the a & Paper	I & II) fuel a units.	). Unit i onsump For de	has pi ition tails.	rovided as and as report o
13.	Hazardous w	aste	mana	gemen	t				-	-	
	Authorization	status	i		178 MU	ZAFFARNA	granter Muzaffarna GAR/2022	gar(U	Inder PPCBRC 03,08.2	ref 0)/HW 1022 z	M/
	Copy of recyclers /TSD		ment	with	Ava	ilable with	7 (annexure n M/s She	e-II). eetala	Waste	Man	agemen
	Hazardous was		nerate	d	Cott Was conf Cott slud	te oil-8 L, tainer-25 M on Waste ge-255 K	e-25 Kgs, Process si los. (Form -25 Kgs, V gs, used/	ludge-9 10 dat Vaste empty	930 Kg: ed 05/0 oil-110	Kgs,	d/empty 24) Process
14.	Groundwater	anal	ysis re	sults (	was	te orease-	15 Kas (For	m 10	dated 0	2/02/	2023)
1	Parameters	pН	Color	COD	TDS	7,000	Total	CI-	50 <sub>4</sub>	F	NO <sub>3</sub> -
	Acceptable	6.5-	05		500	200	Alkalinity 200	250	200	01	N 45

Results	7.5	BOL	BDL	496	343	234	43	130	0.29	BDL
Parameters	NO2-N	Na+	K*	Ca2+	Mg3+	PO.3-	Cond.	As	Cd	Co
Acceptable limit as per BIS IS 10500:2012			•	75	30			0.01	0.003	-
Results	BDL	28	6	68	42	BDL	800	0.01	BDL	BDI
Parameters	Cr	Cu	Fe	Mn	Ni	Pb	Sb	Se	V	Zn
Acceptable limit as per BIS IS 10500:2012	0.05	0.05	0.3	0.1	0.02	0.01		0.01	-	05
Results	BDL	BDL	0.06	0.38	BDL	BOL	BDL	BDL	BOL	0.02

15. Major observation

- a) Unit is non-complying w.r.t. consented discharge norms for BOD (91 mg/l against norm of 30 mg/l), TSS (290 mg/l against norm of 50 mg/l) and COD (372 mg/l against norm of 350 mg/l).
- b) As per CTO, the unit has permission to discharge the treated effluent.
- c) Tertiary treatment system (MGF & ACF) installed at ETP were not in use.
- d) During inspection, the unit was not discharging the treated effluent due to Magh Mela roster and storing the treated effluent in 01 tank of capacity 360 m<sup>3</sup>. Additionally, 04 other tanks of capacity 350 m<sup>3</sup>each and 2 tanks of 150 m<sup>3</sup>each are also installed by the unit to store the treated effluent.
- e) Unit has provision for storage of treated effluent of about 2060 m<sup>3</sup> which should be stopped.
- f) Bottom ash was provided to M/s Bulk Ash Supplier, 870/13, Bhopa Road, Muzaffarnagar (U.P.) which supplies ash to cement factory. Fly ash was provided to a brick manufacturing company namely M/s Mack Feen Infra, Village Ranauti Lateefpur, NTPC Road, Dadri, Gautam Budh Nagar (U.P.).
- g) Plastic waste produced by the unit is sent to M/s K K Duplex & Paper Mills Pvt. Ltd., Jansath Road, Muzaffarnagar (U.P.) which have installed waste to energy boiler. Unit has not provided the copy of agreement for disposal of plastic waste.

#### **Key Issues**

- a) Non-compliance w.r.t. consented discharge norms for BOD (91 mg/l against norm of 30 mg/l), TSS (290 mg/l against norm of 50 mg/l) and COD (372 mg/l against norm of 350 mg/l).
- Unit has provided data for plastic waste generation of 3.36MT/day against the estimated plastic waste generation of 6.33 MT/day, which indicates that unit is not maintaining the logbook properly.
- c) Unit has provided data for ETP sludge generation of 20.1 Kgs/d against the estimated sludge generation was287.43 Kgs/d, which indicates that unit is no maintaining the logbook properly.
- d) Practices for storage of treated effluent in tanks to be stopped.
- e) Improper logbook for boiler ash generation& disposal.

#### 16. Compliance Status

As per Discharge norms: Non-complying

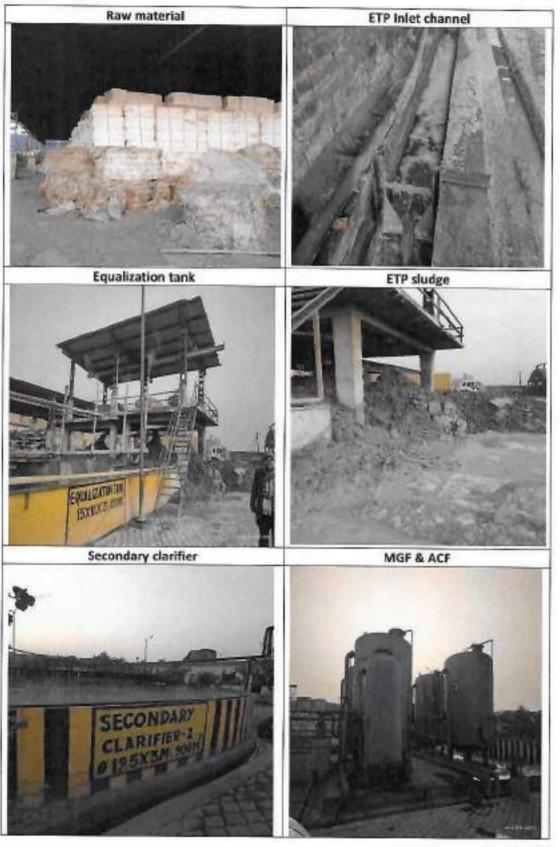
#### 17. Recommendations:

- a) Operation & maintenance of ETP shall be improved to meet the consented discharge norms.
- Unit shall maintain separate record for freshwater consumption, fuel consumption in boiler and ash generation.
- Unit shall ensure that tertiary treatment system installed at the ETP must be operated regularly.
- d) Unit shall maintain proper logbook for generation & disposal of plastic waste, ETP sludge and boiler ash.

#### Inspection team details:

S. No.	Name	Designation	Organization	Signature
1.	Dr. A.K. Gupta	Additional Director	MoEF&CC	
2,	Dr. Raj Kishore Singh	Scientist 'D'	СРСВ	Dulyal
	Sh. Imran Ali	AEE	UPPCB	(2)
	Sh. Ashish Kumar	Hydrologist	UPGWD	(M)-
3.	Dr. Vivek Rana	Research Associate-I	CPCB	lika
4.	Sh. Ankit Shukla	Senior Research Fellow	СРСВ	Aura
5.	Sh. Muktesh Chaudhari	Senior Research Fellow	СРСВ	
T	Sh. Maneesh Kumar	JRF	UPPCB	Thategrozen

#### Photographs



Page 6 of 7





#### U.P. Pollution Control Board

#### CONSENT ORDER

Ref No. 68254/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARNA
GAR/2019

Dated: 30/12/2019

To.

Shri AKSHAY JAIN
M/s SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT 2
9.0th Km, Bhopa Road, Muzaffarnagar, Disit.- Muzaffarnagar (UP), MUZAFFAR
NAGAR 251001

MUZAFFARNAGAR

Sub: Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT 2

Reference Application No. 6138665

Dated: 30/12/2019

- With reference to the application for consent for emission of air pollutants from the plant of M/s SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT 2. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions.
- This consent is valid for the period from 01/01/2020 to 31/12/2024.
- Inspite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Previntion and Controt of Pollution) Act, 1981 as amended.

This consent is being issued with the permission of competent authority.

Nishi Cestily upon to feet feeta Kumar Charae Chauhan Disease (1) to Chauhan Disease (1) to

For and on behalf of U.P. Pollution Control Board

CEO

C-3.

Enclosed: As above (condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Muzaffarnagar.

Nishi Byuk gred Kumar Isako Chauhan 2 last ap isi

CEO

C-3.

#### U.P. Pollution Control Board

Dated: 30/12/2019

#### CONDITIONS OF CONSENT

- This consent is valid only for the approved production capacity of Writing Printing/Kraft/Coated Duplex/News Print Paper-300 MTD using Waste Paper as main raw material.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior
  approval before making any modification in product/ process /fuel/ plant machinery failing which
  consent would be deemed void.
- 3(a). The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.
- 3(b) . Air Pollution Source Details.

		Air Pollution S	Source Details		
S.No	Air Polution Source	Type of Fuel	Stack No.	Parameters	Height
1	80 TPH Boiler	Coal and Biomass	1	Particulate Matter	65 Meter

3(c). The emissions by various stacks into the environment should be as per the norms of the Board.

	Emission Qu	ality Details Detail	
S.No	Stack No	Parameter	Standard
1	1	Particulate Matter	As per Board Norms

- 4. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. is disposed in eco friendly manner.
- Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- 6. The industry should ensure the operation of the air pollution control system (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- The industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P. Rules 1986.
- 8. The industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.
- 10. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- 11. The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB.
- 12. The unit shall submit audited balance sheet for the current year and the details of fees deposited during last three years within a month failing which consent would be deemed void.
- 13. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order.
- 14. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 15. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as-Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).

- 16. Minimum 33% of the land on which industry is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www. uppeb. com/pdf/Green-Belt-Guidle 160218.pdf.
- 17. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
- 18. Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.

#### Specific Conditions:

1. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.

2. Any source of emission other than that mentioned in the Air consent seeking application will not

be permitted by the Board.

3. The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.

4. The industry shall submit Environmental Statement in prescribed format in Form V of rule-14 of

E.P Rules 1986.

5. The dying, bleaching and deinking process are not allowed in the production process of the unit.

The unit will not use agro based raw materials in the production process

6. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process /fuel / plant machinery failing which consent would be deemed void.

 Industry shall install OCEMS on stack as per the direction of CPCB.
 Industry shall sent the stack/ambient air quality monitoring report from Boards Laboratory, after starting the production within one month.

9.The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.

10. The industry shall submit quarterly monitoring reports of all stacks and ambient air quality from a

certified / approved laboratory under E.P. Act 1986.

11. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.

12. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the

Hon'ble Supreme court order till further direction.

13. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
14.If the CPCB or UPPCB issues the Closure order against the industry this consent order stands.

automatically suspended for that period.

15. The unit shall submit the audited balance sheet for the current year.

16. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its

availability.

17. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).

18. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.HI 6405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL.

http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

Issued with the permission of competent authority.

Nishi Development Inv Note Comme Chauhan 12 2012 - 1976

Dated: 30/12/2019

## 1191



#### U.P. Pollution Control Board

#### CONSENT ORDER

Ref No. -68250/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/ water/MUZAFFARNAGAR/2019

To.

Shri AKSHAY JAIN

M/s SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT 2

9.0th Km, Bhopa Road, Muzaffarnagar, Dist.- Muzaffarnagar (UP), MUZAFFAR

NAGAR, 251001

MUZAFFARNAGAR

Sub:

Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974 (as amended) for discharge of effluent to M/s. SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT 2

#### Reference Application No :6138190

Dated: 30/12/2019

- For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act, 1974 as amended (here in after referred as the act ) M/s. SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT 2 is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure in refrence to their foresaid application .
- This consent is valid for the period from 01/01/2020 to 31/12/2024.
- 3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Control of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority.

Nichi Kumar shows Decare U.S.

For and on behalf of U.P. Pollution Control Board

CEO C-3.

Enclosed: As above (condition of consent):

Regional Officer, U.P. Pollution Control Board, Muzaffarnagar. Copy to:

Nishi Kumar

Chauhan minimin CEO

C-3.

#### U.P. POLLUTION CONTROL BOARD, LUCKNOW

## Annexure to Consent issued to M/s.SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT 2 vide

Consent Order No. 6138190/ Water

#### Dated: 30/12/2019

#### CONDITIONS OF CONSENT

- This consent is valid for the approved production capacity of Writing Printing/Kraft/Coated Duplex/News Print Paper-300 MTD using Waste Paper as main raw material.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior
  approval before making any modification in product/ process /fuel/ plant machinery failing which
  consent would be deemed void.

The quantity of maximum daily effluent discharge should not be more than the following:

	Effluent Disc	charge Details	
S.No	Kind of Effulant	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	3 KLD	Septic Tank
2	Industrial	2500 KLD	ETP

- 4. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain.
- 4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent.

	Domestic Effulant	
S.No	Parameter	Standard
1	Quantity of Discharge	3 KLD

4(b) The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms.

	Industrial Effulant		
S.No	Parameter	Standard	
1	Total Suspended Solids	As per Board Norms	
2	BOD	As per Board Norms	
3	COD	As per Board Norms	
4	Oil & Grease	As per Board Norms	
5	Quantity of Discharge	2500 KLD	

- Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from
  washing of floor and equipments etc should be treated before its disposal with treated industrial
  effluent so that it should be according to the norms prescribed under The Environment (Protection)
  Act, 1986 or otherwise mandatory.
- The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
- The industry will have to ensure compliance of the permission from the CGWA before ground water extraction and it will be the responsibility of the industry to comply with the various conditions of the permission taken.
- The industry shall submit Environmental Statement in prescribed form V rule no.14 of E.P Rules 1986.

- The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- 10. Minimum 33% of the land on which unit is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.
- The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB.
- 12. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized. The unit will ensure facility to transmit data to CPCB server and submit a regular calibration certificate of Electro Magnetic Flow meter to the Board.
- 13. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
- Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.

Specific Conditions:

1-The unit shall maintain strict supervision on fluctuations in operating parameters with respect to

each treatment unit of the Effluent treatment plant.

2-In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQM-II/CPCB/P&P/ 14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.

3-The unit will not use agro based raw materials in the production process.

4-The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the SPCB and CPCB server.

5-Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized. 6-The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on

7-The industry will have to ensure permission from the CGWA for ground water extraction and it will be the responsibility of the industry to comply with the various conditions of the permission taken.

8-If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.

9-Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P. Rules 1986.

10-Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB. 11-Industry shall install at sufficient height from the ground level Open to Network IID PTZ rotation Camera at the Inlet, Aeration tank, Secondary Clarifier and outlet of Effluent treatment plants for On Line Monitoring and its URL and password shall be provided to the UPPCB control room.

12-This consent is valid only for products and quantity mentioned above. Industry obtain prior approval before making any modification in product/process /fuel/ Plant machinery failing which consent would be deemed void.

13-Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.

14-Industry shall submit quarterly monitoring reports of treated effluent from a certified/

approved laboratory under E.P. Act 1986.

15-Industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.

16-The unit shall submit the audited balance sheet for the current year.

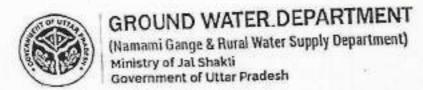
17-Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL. http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

Issued with the permission of competent authority .

Nishi Kumar Cooker Chauhan 1771 Chauh

For and on behalf of U.P. Pollution Control Board .

CEO C-3.



Modification & Altration



### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC010277

VALID FROM 14/03/2021 TO 13/03/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

202103000053	6). 5	
AKSHAY JAIN -		
DIRECTOR	Company Name कंपनी का नाम	SILVERTON PULP AND PAPERS PVT. LTD
9TH KM, BHOPA ROAD, MUZAFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
4, RAINBOW VIHAR, MEERUT ROAD, MUZAFFAR NAGAR, DISTT-MUZAFFARNAGAR UP	Application No.	MZFN0321NIN0025
03/03/2021	Specimen Signature	
ars		
Muzeffar Nagar	Block	Municipal Corporation/Nagar Palika Parishad, Muzaffar Nagar
	DIRECTOR  9TH KM, BHOPA ROAD, MUZAFARNAGAR  4, RAINBOW VIHAR, MEERUT ROAD, MUZAFFAR NAGAR, DISTT-MUZAFFARNAGAR UP  03/03/2021	DIRECTOR Company Name कंपनी का नाम  9TH KM, BHOPA ROAD, MUZAFARNAGAR Authorization Letter प्राधिकार पत्र  4. RAINBOW VIHAR, MEERUT ROAD, MUZAFFAR NAGAR, DISTTMUZAFFARNAGAR UP  03/03/2021 Specimen Signature

Nard No./Holding No.			N/A
Particular of the	Existing Well and Pumping Device		1 11/1
Date of Construction/Sinking of the Well	06/01/2004		
Type of Well	Tube Well/Boring	Print du	
Purpose of well		Depth of the Well (in meter)	60.00
r urpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube	Well)		
, pe of Pump Used	Submersible	H.P. of the Pump	-
Perational Device	Electric Motor	Rate of Withdrawal	12.50
Sate of Engraphysian (I. C.		(m³/hr.)	90.00
Pate of Energization (In Cas	e of Electric Pump)	06/01/2004	
flaximum Allowable ate of Withdrawal n <sup>3</sup> /hr.):	90.00	Maximum Allowable Running Hours Per Day:	12.00
laximum Allowable noual Extraction of round Water:	356400	Recharge Required	356400.00

/		1	1 .
Ward No./Holding No.		10.	N/A
Particular of the I	Existing Well and Pumping Devi	ce	
Date of Construction/Sinking of the Well	06/01/2004		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	60.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube	e Well)		
ype of Pump Used	Submersible	H.P. of the Pump	12.50
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	90.00
Date of Energization (In Ca	se of Electric Pump)	06/01/2004	
Maximum Allowable Rate of Withdrawal [m <sup>3</sup> /hr.):	90.00	Maximum Allowable     Running Hours Per Day:	12.00
Maximum Allowable Annual Extraction of Ground Water	356400	Recharge Required	356400.00

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3j), for Running Hours per day as shown at St. (3k), and for maximum overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 356400.00 cubic meter, as specified under the application form

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- All Users abstracting ground water in excess of 100 m3/d shall be required to submit impact assessment report prepared by an
  accredited consultant from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight
  environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level
  decline, land subsidence etc. within three months of completion of the same to Ground Water Department Uttar Pradesh. The list of
  nocredited Individuals/ Institutions is available on the official web-portal of CGWA.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters
  (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at
  outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the
  contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters.
   The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons,
  if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone
  tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall
  be made available to this office on monthly basis
- · Guidelines for Installation of Piezometers and their Monitoring

Plezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If,
  more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate
  shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No Quantum of 6	Quantum of Ground water withdrawal	No.of piezometers required	Monitiring Mechanism		
	(cum/day)		Manual	DWLR with Telemetry	
1	<10	0	0	0	
2	11-50	1	1	0	
3	50- 500	1	0	1	
4	> 500	2	0	2	

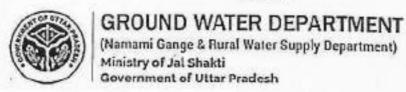
snouro de given in meter apto two decimal.

- For measurement of water level sounder or automatic water level recorder (AWLR) / Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be moritored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at plezometer/Tube wells site for providing the location, plezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the
  desired quantity of water.
  - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- III) All Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through
  Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council
  (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyog Sharati certified auditors and submit audit reports within three months
  of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water
  use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring
  mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>
  /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be
  constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall
  be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
  - vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup>/day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date:24/06/2022 Place:Muxaffar Nagar

This certificate is electronically generated and does not require digital signature

## 1200 about blank



Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC029886 VALID FROM 14/03/2021 TO 13/03/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

Cistration No.: 20210					
Name of the Owner -	AKSHAY JAIN				
Designation . पद	DIRECTOR	Company Name कंपनी का नाम	SILVERTON PULP AND PAPERS PVT LTD		
Company Address कंपनी का पता	9TH KM, BHOPA ROAD, MUZAFARNAGAR	Authorization Letter प्राधिकार पत्र	Download		
Address of the Applicant	09 TH KM., BHOPA ROAD,	Application No.	MZFN0321NIN002		
Date of Submission	02/03/2021	Specimen Signature			
Location Particulars					
District	Muzaffar Nagar	Block	Municipal Corporation/Nagar Palika Parishad, Muzaffar Nagar		
Plu. No./Khasra No.	N/A	Municipality/Corporation	NA		
Ward No./Holding No.					
Particular of the Existing	Well and Pumping Device				
Date of Construction/Sinking of the Well	06/01/2004	7			
Type of Well	Tube Well/Boring	Depth of the Well (in meter)	60.00		
Purpose of well	Industrial	Assembly Size(For Tube Well)			
Strainer Position (For Tube V	fell)				
Type of Pump Used	Submersible	H.P. of the Pump	15.00		
Operational Device	Electric Motor	Rate of Withdrawal (m²/hr.)	120.00		
	of Electric Pump)	06/01/2004			

1:30 PM		about:blank	
num Allowable Rate of Indrawal (m <sup>3</sup> /hr.):	120,00	Maximum Allowable Running Hours Per Day:	15.00
Maximum Allowable Annual Extraction of Ground Water:	594000	Recharge Required	594000.00

ar

wel

sitior np Us This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at St. (2) for extraction of ground water at a rate not exceeding that as shown at St. (3j), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

Holder of this NOC is hereby directed to assure annual recharge of 594000.00 cubic meter, as specified under the application form within the
given time period.

#### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- . In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- All Users abstracting ground water in excess of 100 m3/d shall be required to submit impact assessment report prepared by an accredited consultant from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence etc. within three months of completion of the same to Ground Water Department Uttar Pradesh. The list of accredited Individuals/ Institutions is available on the official web-portal of CGWA.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the
- in case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is fiable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of plazomaters and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of
  piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to
  this office on monthly basis
- · Guidelines for Installation of Plezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality tasting when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being obstracted. If, more than one
  piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper
  ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

no. or pro-		Quantum of Ground water withdrawal (cum/day) No.of piezometers required	Monitiring Mechanism	
S.No	Quantum of Ground water withdrawal (cum/dsy)		Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with belemotry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly towered should be provided for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Ultra Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
   periods, Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt capacity bottle) to the concerned Director, Ground

SOFM

about:blank

Water Department, Ulter Pradesh, for chemical analysis.

A Permanent display board should be installed at piezometer/Tube wells site for providing the location, plezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification. Any other site specific requirement regarding safety and access for measurement may be taken care of.

Any other condition(s) that may be imposed by the concerned Authority.

p case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by Industries shall be granted subject to the following specific
- . i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- . iii) All industries abstracting ground water in excess of 100 m<sup>2</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Ultar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (plezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3 /day of ground water and. Monitoring of water level shall be done by the project proponent. The plezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly
- water level data shall be submitted online to the Ground Water Department, UP. v) The proponent shall be required to adopt roof top rain water harvasting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives

etc.) shall store the harvested rain water in surface storage tanks for use in the industry.

- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dyo, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per GPCB list) need to undertake necessary wall head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council. ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The

water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date :18/08/2022

Place:Muzeffar Nagar

This certificate is electronically generated and does not require digital signature

#### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC014444 VALID FROM 14/03/2021 TO 13/03/2026

(UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019)

enistration No.: 2021	03000052		
ame of the Owner	NAL YAHZYA		
signation 5	DIRECTOR	Company Name कंपनी का नाम	SILVERTON PULP AND PAPERS PVT. LTD
ompany Address पनी का पता	9TH KM, BHOPA ROAD, MUZAFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
idress of the Applicant	4. RAINBOW VIHAR, MEERUT ROAD, MUZAFFAR NAGAR, DISTT-MUZAFFARNAGAR UP	Application No.	MZFN0321NIN0024
ate of Submission	03/03/2021	Specimen Signature	- 1
ocation Particulars	the same and the same and the		
strict	Muzaffer Nager	Block	Municipal Corporation/Nagar Palika Panshad, Muzaffar Nagar
t No./Khasra No.	N/A	Municipality/Corporation	N/A
rd No./Holding No.			NA
cular of the Existing	Well and Pumping Device		2 2
te of nstruction/Sinking of the II	06/01/2004		
e of Wall	Tube Well/Boring	Depth of the Well (in moter)	G0.00
pose of well .	Industrial	Assembly Size(For Tube Well)	
ainer Position (For Tube V	/ell)		
e of Pump Used	Submersible	H.P. of the Pump	12.50
erational Device	Electric Motor	\$	90.00
		(m <sup>2</sup> /hr.)	68

reason (m<sup>2</sup>ftr.):

ximum Allowable Annual 386100 traction of Ground

der

Maximum Allowable

Running Hours Per Days

Rocharge Required

386100.00

13.00

at a rate not exceeding that as shown at St. (3j), for Running Hours hown at St. (3k), and for maximum appwards annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

Holder of this NOC is hereby directed to assure annual recharge of 386 100.00 cubic meter, as specified under the application form within this given time period.

#### GENERAL CONDITIONS:

Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.

In case of any change of ownership of the proposed well, frosh authorization has to be obtained:

All Users abstracting ground water in excess of 100 m3/d shall be required to submit impact assessment report propared by an accredited consultant. from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence etc. within three months of completion of the same to Ground Water Department Utter Predesh. The list of accredited Individuals/ Institutions is available on the official web-portal of CGWA.

For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow maters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quartity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters

The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons. If the tuation so demands

In case of any change of ownership of the existing well, fresh registration has to be obtained.

to change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration

In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.

The Certificate of Authorization' NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal.

through a fresh application, at least ninety days prior to expiry of its validity. Construction of plezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of plezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis

Guidelines for Installation of Piczometers and their Monitoring

Plezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

 The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the plezometer should be about 4" to 6".

The depth of the plezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.

No. of plezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

NO. UI pies	Difference of the contract of		Mo	nitiring Mechanism
S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Manual	DWLR with Telemetry
1	e 10	0	0	0
2	11 - 50	1	!	0
3	50-500	1	0	. 1
4	> 500	2	0	Z

The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.

For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.

 The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.

All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the plezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Predesh, and for its validation

The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (Ociober/November) periods. Quality may be get analyzed from NABL approved tab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground

- . A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.

Any other condition(s) that may be imposed by the concerned Authority. In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Cartificate for ground water extraction by Industries shall be granted subject to the following specific
- i) No Objection Cartificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>2</sup>ld shall be required to undertake annual water audit through Confederation of Indian Industries (CII) Federation Indian Chamber of Commerce and Industry (FIGCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Ultar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition so. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m3 /Jay of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and equifer zone tapped in the pleatometer shall be the same as that of the pumping well wells. Mouthly ater level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute round water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter, house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/untreated waste water into equiler system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughler Houses, Dye, Chemical/ Petrochemical, Chal washenes, other hazardous units etc. (as per CPCB Est) need to undertake necessary well head protection measures to ensure prevention of ground water poliution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup>/day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

ate:10/12/2022

lace:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



#### UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831 Fax:0522-2720764 Email: info@uppeb.com Website: www.uppeb.com

Ref. No: 17844/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2022

Dated:03/08/2022

To,

M/s SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT 2

9th Km Stone, Bhopa Road, Muzaffarnagar, MUZAFFARNAGAR, 251001

Tehsil: Budhana

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 17844 and 03/08/2022.
- Reference of application (No. and date) 17107280 and 24/07/2022.
- Mr AKSHAY JAIN of M/s SILVERTON PULP AND PAPERS PRIVATE LIMITED UNIT
   2 is hereby granted an authorization based on the enclosed signed inspection report for
   generation, collection, utilization, storage and disposal or any other use of hazardous or
   other wastes or both on the premises situated at 9th Km Stone, Bhopa Road, Muzaffarnagar.

#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules L,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	CATEGORY 33.2 AS PER SCHEDULE I (Contaminated Cotton Rags Or Other Cleaning Materials)	THROUGH TSDF	0.150 MT/Annum,
2	CATEGORY 33.1 AS PER SCHEDULE I (Empty Barrels/Containers /Liners Contaminated With Hazardous Chemicals (Wastes)	THROUGHTSDF	2.0 MT/Annum
3	CATEGORY 5.1 AS PER SCHEDULE 1 (Used Or Spent Oil)	THROUGH TSDF	0,40 KL/Annum
4	CATEGORY 32.3 AS PER SCHEDULE I (Process sludge containing adsorbable organic halides(AOX))	THROUGHTSDF	40 MT/Annum

- 1. The authorization shall be valid for a period of 02/08/2027 from the date of issue of this letter
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

A General Conditions of Authorization -

RAKESH KUMAR

KUMAR TYAGI

TYAGI

Date: 2022.08.11 21:35:37 + 05:30

Digitally signed by RAKESH

- The authorised person shall comply with the provisions of the Environment (Protection Act, L 1986, and the rules made there under .
- The authorisation or its renewal shall be produced for inspection at the request of an officer 2. authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous 3. and other wastes except what is permitted through this authorization.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the 4. application by the person authorized shall constitute a breach of his authorisation .
- The person authorised shall implement Emergency Response Procedure (ERP) for which this 5 authorisation is being granted considering all site specific possible scenarios such as spillages. leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty .
- It is the duty of the authorised person to take prior permission of the State Pollution Control 7. Board to close down the facility .
- The imported hazardous and other wastes shall be fully insured for transit as well as for any 8. accidental occurrence and its clean-up operation .
- 9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained
- The hazardous and other waste which gets generated during recycling or reuse or recovery or 10. pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if 11.
- An application for the renewal of an authorisation shall be made as laid down under these 12. Rules .
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time .
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

### Specific Conditions of Authorization

- 1- The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.
- 2- The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
- 3- The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested.
- 4- Comprehensive safety measures must be followed in handling of wastes and the staff must be RAKESH KUMAR TYAGI TYACI

Date: 2522.08.11 21:35:51 +05:30\*

properly trained.

- 5- It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.
- 6- The applicant must file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials.
- 7- In case of occurrence of an accident, complete details on Form-11 must be sent to U.P. Pollution Control Board at the earliest along with details of mitigative and remedial measures taken.
- 8- It is also the mandatory duty of the occupier of industry as well as operator of a facility to develop suitable waste treatment and disposal facility and the design of the facility must be approved by the Board. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at present at this TSDF. The proof of valid membership of TSDF along with proof of disposal of hazardous waste to TSDF shall be sent to U.P. Pollution Control Board within three months.
- 9- The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.
- 10- In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.
- 11- Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/ reuse system must be sent within two months.
- 12- It is within the powers and functions of the U.P. Pollution Control Board to suspend/cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 13- The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.
- 14- You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.

  RAKESH KUMAR

  Digitally signed by RAVESH

  RAMAN TYPICS

TYAGI

KUMAR PYAC2 Dute: 2022/08/11/21/36/19 - (IS 30)

- 15- It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.
- 16- You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month,
- 17- You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.
- 18- Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.
- 19- Ground water monitoring report of premises shall be submitted within one month.
- 20- Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 21- The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(Authorized Signatory)

RAKESH KUMAR TYAGI Date: 2022 (R.11) 313619 (1922)

Date: 2022.08.11 21:36:19+05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

Copy to: To the Regional Officer, U.P.Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate, for information and necessary action . RAKESH KUMAR TYAGI Date: 2022.08.1121-36:33 +05'33' CEO/EE, I/C Circle

## INDUSTRY INSPECTION REPORT (PULP & PAPER)

A. General section Date of inspection: 83 01 202

-1	1 1 2 2 2	Date of inspection: 03.01.2024
do	Name of the unit withcomplete postal address:	M/s Orient Board Paper Mills Pvt. Ltd. 9thKm. Jansath Road, Muzaffarnagar(U.P.)
2.	Spatial Co- ordinates (Latitude & longitude) in Decimal format only	29.428226, 77.763969
3.	Industry Operational status	Operational
4.	Consent and Ground Water NOC	Consent underAir Act. Issue date 12.11.2021; Ref. no.:134926/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/Air/MUZAFFARNAGAR/2021 and valid from 16.09.2021 to 31.12.2025. Enclosed as Annexure I.  Consentunder Water Act. Issue date12.11.2021 under ref no.: 135333/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/Water/MUZAFFARNAGAR/2021 and valid from 16.09.2021 to 31.12.2025. Enclosed as Annexure II.  NOC for abstraction of ground water from two borewells issued by UPGWD under Registration no. 202202000070 & 202203000276 and same are valid till 30.03.2027. Enclosed as Annexure III

B. Production process and infrastructure

5.	Process	Manufacturing of Kraft paper by using kraft waste paper& Poster Paper by using white waste paper					
6.	Raw material						
	a. Consented value	240 MT/day					
	b. Actual consumption (as per logbook)	Kraft waste paper- 8,177.91 MT&white waste paper- 2,297.895 MT Total= 10,475.805 MT (from 01 <sup>st</sup> October, 2023 to 31 <sup>st</sup> December, 2023)					
	c. Avg. daily consumption	95.09 MT/day + 26.72 MT/day = 121.81MT/day					
7.	Production	121 SIMITURY					
	a. Consented value	Kraft paper- 110 MT/day, Poster paper and light gram kraft paper- 80 MT/day = 190 MT/day					
	b. Actual Production (as per logbook)	Kraft paper 5,337.50 MT & Poster/white packing paper 2,505.40 MT Total=7,842.90 MT (from 01st October, 2023 to 31st December, 2023)					
	c. Avg. daily production	62.06 MT/day + 29.13 MT/day = 91.19 MT/day					
	d. Yield (%)	74.86 % of raw material					
	e. Non-paper waste production	25.14 % of raw material i.e. 30.62 MT/day					
8.	Fresh water source and consumption	on .					
	a. Details of borewell	Two borewells with flow meter found installed					
	b. Permitted withdrawal quantity	615 KLD					
	c. Actual withdrawal quantity	37,200 KL.(Log-book data from 01st October, 2023 to 31st December, 2023)					

		However, logbook is error without mentioning the reas	neous (sudden change in meter readings on for the change.
	d. Avg. daily withdrawal quantity	432.56 KLD	
	c. Specific fresh water consumption	4.74 KL/MT of product	
).	Effluent Management		
	a. Consented discharge value	480 KLD	
	b. Actual effluent generation	26680.80 KL	
	(as per V-Notch logbook)	(from 01# October, 2023 to	31st December, 2023)
	c. Avg. daily effluent generation	310.24 KLD	
	d. Specific effluent generation	3.40 KL/MT of product	
	e. Actual effluent discharge (as per V-Notch logbook)	22167.90 KL (from 01s October, 2023 to	31 <sup>st</sup> December, 2023)
	f. Avg. daily effluent discharge	257.77 +13.47= 271.24KLD	
	g. Specific effluent discharge	271.24/91.19= 2.974 KL/M	f of menders
	h. Actual recycling of treated effluent	Partially treated (from	39 KLD
	within process	Primary clarifier)	(avg. from 01st October, 2023 to 31 December, 2023)
		Sludge (from Primary Clarifier)	Nodata available due to unavailability of flow meter a recycle sludge line to process.
	. P	Total recycled	39 KLD
	i. Specific effluent recycle	0.43 KL/MT of product.	
	<ol> <li>Losses in ETP (sludge moisture and evaporation in Aeration tank)</li> </ol>	2-3% % of total effluent gen	eration. roper recording of daily discharge.
	FOUNDERSONS STORY OF THE PROPERTY OF THE PROPE		
	a. Treatment units in ETP	Screen→Equalization Clarifier→Aeration Tank→S	Tank→Hill Screen→ Primar Secondary Clarifier→MGF
	b. Installed capacity	Clarifier→Aeration Tank→S  Equalization Tank-8m×7m  Primary Clarifier-6m (dia) ×  Aeration Tank-18.9m×8.6n	Secondary Clarifier $\rightarrow$ MGF $\times 2.5m = 140 \text{ m}^3$ $5.4m \text{ (depth)} = 152 \text{ m}^3$ $n \times 4m = 650 \text{ m}^3$
		Clarifier→Aeration Tank→S Equalization Tank-8m×7m Primary Clarifier-6m (dia)×	iccondary Clarifier→MGF × 2.5m = 140 m <sup>3</sup> 5.4m (depth) = 152 m <sup>3</sup> n × 4m = 650 m <sup>3</sup> ) × 5.4m (depth) = 152 m <sup>3</sup>
	b. Installed capacity	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m  Primary Clarifier-6m (dia) ×  Aeration Tank-18.9m × 8.6n  Secondary Clarifier-6m (dia  Effluent generation  Partially treated Recycling  point	Secondary Clarifier $\rightarrow$ MGF $\times 2.5m = 140 \text{ m}^3$ $5.4m \text{ (depth)} = 152 \text{ m}^3$ $n \times 4m = 650 \text{ m}^3$
	b. Installed capacity	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m  Primary Clarifier-6m (dia) ×  Aeration Tank-18.9m × 8.6n  Secondary Clarifier-6m (dia  Effluent generation  Partially treated Recycling  point  Primary sludge recycle to  process	iccondary Clarifier→MGF  × 2.5m = 140 m <sup>3</sup> 5.4m (depth) = 152 m <sup>3</sup> n × 4m = 650 m <sup>3</sup> ) × 5.4m (depth) = 152 m <sup>3</sup> No, only V-notch provided
	b. Installed capacity  c. Metering at ETP	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m  Primary Clarifier-6m (dia) ×  Aeration Tank-18.9m × 8.6n  Secondary Clarifier-6m (dia  Effluent generation  Partially treated Recycling  point  Primary sludge recycle to	iccondary Clarifier→MGF  × 2.5m = 140 m <sup>3</sup> 5.4m (depth) = 152 m <sup>3</sup> n × 4m = 650 m <sup>3</sup> ) × 5.4m (depth) = 152 m <sup>3</sup> No, only V-notch provided Yes, logbook maintained  No flowmeter installed  Yes, logbook maintained on the basis of V-notch reading. However Electro mechanical flowmeter was
	b. Installed capacity	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m Primary Clarifier-6m (dia) × Aeration Tank-18.9m × 8.6n Secondary Clarifier-6m (dia Effluent generation Partially treated Recycling point Primary sludge recycle to process Effluent Discharge  Operational	iccondary Clarifier→MGF  × 2.5m = 140 m <sup>3</sup> 5.4m (depth) = 152 m <sup>3</sup> n × 4m = 650 m <sup>3</sup> ) × 5.4m (depth) = 152 m <sup>3</sup> No, only V-notch provided Yes, logbook maintained  No flowmeter installed  Yes, logbook maintained on the basis of V-notch reading. However Electro mechanical flowmeter was also installed at ETP outlet.
	b. Installed capacity  c. Metering at ETP	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m Primary Clarifier-6m (dia) × Aeration Tank-18.9m × 8.6n Secondary Clarifier-6m (dia Effluent generation Partially treated Recycling point Primary sludge recycle to process Effluent Discharge  Operational Flow at inlet: 8.6 cm ≈ 153.1	iccondary Clarifier→MGF  × 2.5m = 140 m <sup>3</sup> 5.4m (depth) = 152 m <sup>3</sup> n × 4m = 650 m <sup>3</sup> ) × 5.4m (depth) = 152 m <sup>3</sup> No, only V-notch provided Yes, logbook maintained  No flowmeter installed  Yes, logbook maintained on the basis of V-notch reading. However Electro mechanical flowmeter was also installed at ETP outlet.  m <sup>3</sup> /hr.
	b. Installed capacity  c. Metering at ETP	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m Primary Clarifier-6m (dia) × Aeration Tank-18.9m × 8.6n Secondary Clarifier-6m (dia Effluent generation Partially treated Recycling point Primary sludge recycle to process Effluent Discharge  Operational Flow at inlet: 8.6 cm ≈ 153.1 MLVSS/MLSS in aeration to	iccondary Clarifier→MGF  × 2.5m = 140 m <sup>3</sup> 5.4m (depth) = 152 m <sup>3</sup> n × 4m = 650 m <sup>3</sup> ) × 5.4m (depth) = 152 m <sup>3</sup> No, only V-notch provided Yes, logbook maintained  No flowmeter installed  Yes, logbook maintained on the basis of V-notch reading. However Electro mechanical flowmeter was also installed at ETP outlet.
	b. Installed capacity  c. Metering at ETP	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m Primary Clarifier-6m (dia) × Aeration Tank-18.9m × 8.6n Secondary Clarifier-6m (dia) Effluent generation Partially treated Recycling point Primary sludge recycle to process Effluent Discharge  Operational Flow at inlet: 8.6 cm ≈ 153.1 MLVSS/MLSS in aeration to 0.6 to 0.8  OCEMS was found installe CPCB & SPCB servers.	is condary Clarifier→MGF  × 2.5m = 140 m³ 5.4m (depth) = 152 m³ n × 4m = 650 m³ ) × 5.4m (depth) = 152 m³ No. only V-notch provided Yes, logbook maintained  No flowmeter installed  Yes, logbook maintained on the basis of V-notch reading. However Electro mechanical flowmeter was also installed at ETP outlet.  m³/hr. ank: 1105/2628 = 0.42 against required at outlet of ETP & connected with
	b. Installed capacity  c. Metering at ETP  d. Operational status of ETP  e. OCEMS at ETP outlet	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m Primary Clarifier-6m (dia) × Aeration Tank-18.9m × 8.6n Secondary Clarifier-6m (dia) Effluent generation Partially treated Recycling point Primary sludge recycle to process Effluent Discharge  Operational Flow at inlet: 8.6 cm ≈ 153.1 MLVSS/MLSS in aeration to 0.6 to 0.8  OCEMS was found installe CPCB & SPCB servers.	is condary Clarifier→MGF  × 2.5m = 140 m³ 5.4m (depth) = 152 m³ n × 4m = 650 m³ ) × 5.4m (depth) = 152 m³ No, only V-notch provided Yes, logbook maintained  No flowmeter installed  Yes, logbook maintained on the basis of V-notch reading. However Electro mechanical flowmeter was also installed at ETP outlet.  m³/hr. ank: 1105/2628 = 0.42 against required
	b. Installed capacity  c. Metering at ETP  d. Operational status of ETP	Clarifier→Aeration Tank→S  Equalization Tank-8m × 7m Primary Clarifier-6m (dia) × Aeration Tank-18.9m × 8.6n Secondary Clarifier-6m (dia) Effluent generation Partially treated Recycling point Primary sludge recycle to process Effluent Discharge  Operational Flow at inlet: 8.6 cm ≈ 153.1 MLVSS/MLSS in aeration to 0.6 to 0.8  OCEMS was found installe CPCB & SPCB servers.	is condary Clarifier→MGF    × 2.5m = 140 m³     5.4m (depth) = 152 m³     n × 4m = 650 m³     × 5.4m (depth) = 152 m³     No. only V-notch provided     Yes, logbook maintained     No flowmeter installed     Yes, logbook maintained on the basis of V-notch reading. However Electro mechanical flowmeter was also installed at ETP outlet.    m³/hr.     ank: 1105/2628 = 0.42 against required at outlet of ETP & connected with

		Inlet	Outl	et	per consent	W.F.	t. consent	notifie MoEF	0.00		notified orms		
	pH	7.7	8.3	V .	7.0-8.5	(	Comply	7.0-5		-	omply		
	BOD (mg/l)	152	40		30		n-comply	30	AND DESCRIPTION OF THE PARTY OF		comply		
	COD (mg/l)	444	113		350		Comply	350			mply		
	TSS (mg/l)	322	10		500		Comply	50	0.73		omply		
	TDS (mg/l)	1244	117	6				-		Non- due to with	-comply dilutio water in TP.		
	AOX (mg/l)	*	BD	L	*		(8)	1.5 kg prod		Co	omply		
	Oil & Grease (mg/l)	-	BD	Ĺ	-		*	-			*		
	Aeration tank	: MLSS- 20	628 mg/l;	MLV	/SS-1105 mg	y1							
	g. ETP Sludg	ge generatio	m										
	(as per los				=2.09 kg/da	ıy.	ctober, 2023	to 31" Dec	ember, 202	3).			
	% of inlet		300000000000		29.97 kg/da								
	% of inlet TSS load  c. Observation on sludge quantity				ETP sludge generation is much lower than the estimated value, which indicate that possibility of illegal disposal of sludge, which is also confirmed from defunct Belt press and no sludge found on SDBs (dry								
				d. Specific sludge generation				beds).					
	d. Specific s	ludge gener	ation			Toforo	duct		200000000000000000000000000000000000000	-	500000000		
		ludge gener anagement		al	0.023 kg/M Provided to	BOWM	IL (TSDF) f	or final disp	osal				
The state of the s		anagement		all	0.023 kg/M	BOWM	IL (TSDF) f	or final disp	oosal		56151000		
The same of the sa	e. Sludge M  Recipient drai  a. Name of r	anagement	& dispos:		0.023 kg/M Provided to	BOWM ovided a	IL (TSDF) f	or final disp	oosal		59 151 100		
	e. Sludge M.  Recipient drai  a. Name of the Recipient	anagement in details recipientdra drain's ana	& disposi in lysis repo	orti	0.023 kg/M Provided to Form 10 pro Dhandera I	BOWM ovided a Drain	fL (TSDF) fi s record	or final disp	oosal		590 15 1 1000		
	e. Sludge M.  Recipient drai  a. Name of c b. Recipient  Sampling	in details recipientdra drain's ana	& disposi in lysis repo	ort:	0.023 kg/M Provided to Form 10 pro Dhandera 1 re in mg/l ex	BOWM ovided a Drain	(L (TSDF) for second		11	4.10			
THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWIND TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN	e. Sludge M  Recipient drai  a. Name of r  b. Recipient  Sampling location	in details recipientdra drain's ana Paramete pH	& disposi in lysis repo is (all va BOD	ort:	0.023 kg/M Provided to Form 10 pro  Dhandera 1  re in mg/l ex	BOWM ovided a Drain	(L (TSDF) for second	Nitrate	Phospha	nte S	Sulphid		
The same of the sa	e. Sludge M.  Recipient drai  a. Name of c b. Recipient  Sampling	in details recipientdra drain's ana	& disposi in lysis repo	ort: lues a COI	Dhandera I  ore in mg/l ex  174	BOWM ovided a Drain Ccept Col TDS 970	(L (TSDF) for second se	Nitrate 2.12	Phospha 1.66	nte S			
	e. Sludge M.  Recipient drai  a. Name of r b. Recipient  Sampling location  Up Stream  Down Stream	in details recipientdra drain's ana Paramete pH 7.28 6.95	& disposi	ort: COJ 176	Dhandera I  ore in mg/l ex  174	BOWM ovided a Drain	(L (TSDF) for second	Nitrate	Phospha	ate S	Sulphid		
	e. Sludge M.  Recipient drai  a. Name of r b. Recipient  Sampling location  Up Stream  Down	in details recipientdra drain's ana Paramete pH 7.28 6.95	& disposi in lysis repo is (all va BOD 60 86	ort: lues a COI 176 238	Dhandera I  Te in mg/l ex  TSS  174  202	Drain  cept Col TDS 970 1016	(L (TSDF) for second se	Nitrate 2.12	Phospha 1.66	nte S			
	e. Sludge M.  Recipient drai  a. Name of o b. Recipient  Sampling location  Up Stream  Down Stream  *All parameter  Non-paper sol	in details recipientdra drain's ana Paramete pH 7.28 6.95 s are in mg	& disposi in lysis repo is (all va BOD 60 86 // except ,	ort: CO) 176 238 pH. ent (P	Dhandera I  Te in mg/l ex  TSS  174  202	Drain  cept Col TDS 970 1016	(L (TSDF) for second se	Nitrate 2.12	Phospha 1.66	ate S			
	e. Sludge M.  Recipient drai  a. Name of o b. Recipient  Sampling location  Up Stream  Down Stream  *All parameter  Non-paper sol	in details recipientdra drain's ana Paramete pH 7.28 6.95 s are in mg id waste m	& disposi in lysis repo is (all va BOD 60 86 // except ,	ort: CO) 176 238 pH. ent (P	Dhandera I  Te in mg/l ex  TSS  174  202  lastic waste)	Drain  Cept Co. TDS 970 1016  as per iser, 2023 e supplie	IL (TSDF) for second  lour & pH)  Sulphate  42  58  invoiced pro 6 to Decembed to M/s D	Nitrate 2.12 3.42 vided er, 2023). ew Resource	Phospha 1.66 2.64		1		
	e. Sludge M.  Recipient drai  a. Name of r b. Recipient  Sampling location  Up Stream  Down Stream  *All parameter  Non-paper sol  a. Non-paper (As per lo	in details recipientdra drain's ana Paramete pH 7.28 6.95 s are in mg id waste m r solid was gback)	& disposition in lysis reports (all va BOD 60 86 Accept) anagement ite gener	ort: CO) 176 238 pH. ent (P	Dhandera I  Te in mg/l ex  D TSS  174  202  lastic waste)  122.135 MT (from Octob Plastic wast processing (	Drain  Ccept Col TDS 970  1016  T as per i per, 2023 e suppli sales inv	IL (TSDF) for second  lour & pH)  Sulphate  42  58  invoiced pro 6 to Decembed to M/s D	Nitrate 2.12 3.42 vided er, 2023). ew Resource	Phospha 1.66 2.64		1		
	e. Sludge M.  Recipient drai  a. Name of the Recipient  b. Recipient  Sampling location  Up Stream  Down Stream  *All parameter  Non-paper sol  a. Non-paper (As per location)  b. Avg. Dail- c. Specifical generation	in details recipientdra drain's ana  Paramete pH 7.28 6.95 s are in mg id waste m r solid was gbook) y waste gen Nen-paper	& disposition lysis reports (all variety) 86    ### Additional Control of the Con	ort: lues a CO) 176 238 pH. ent (P) ated	Dhandera I  re in mg/l ex  D TSS  174  202  lastic waste)  122,135 MT (from Octob Plastic wast	Drain  Cept Col TDS 970  1016  Tas per iper, 2023 e supplicates invery	IL (TSDF) for second  lour & pH)  Sulphate  42  58  invoiced pro 6 to Decembed to M/s D	Nitrate 2.12 3.42 vided er, 2023). ew Resource	Phospha 1.66 2.64				
	e. Sludge M.  Recipient drai  a. Name of the Recipient  b. Recipient  Sampling location  Up Stream  Down  Stream  *All parameter  Non-paper sol  a. Non-paper (As per lo)  b. Avg. Dails  c. Specific	in details recipientdra drain's ana Paramete pH 7.28 6.95 s are in mg id waste m r solid was gbook) y waste gen Non-paper solid waste	& disposition lysis reports (all variety) 86    ### Additional Control of the Con	ort: lues a CO) 176 238 pH. ent (P) ated	Dhandera I  Te in mg/l ex  Dhandera I  TSS  174  202  lastic waste)  122.135 MT (from Octob Plastic wast processing (	Drain  Ccept Col  TDS  970  1016  T as per i per, 2023 e suppli sales inv y oduct  ry (estim -paper s	IL (TSDF) for second  lour & pH)  Sulphate  42  58  invoiced prosto Decembed to M/s Decembed to M/s provoiced are prostolic waste	Nitrate 2.12 3.42 vided er, 2023). ew Resource vided by un	Phospha 1.66 2.64 2.64 Day (as per aste) gene	ment for	I for furth		

	D. II.					100000000000000000000000000000000000000	-								
	a. Boiler capacity					18 TPH									
	b. Stack details			Stack Height -45 m											
	c. APCD installed		Multi Cyclone and Wet scrubber												
	<li>d. Estimated steam requirement @ 1.8 T/T of paper produce</li>			164.1	42 T/c	lay									
	e. Nam	e of the	Fuel us	ed		Baga	sse alo	ng wit	h Agro	waste (	Mix)				
	Bagasse consumption (as per logbook)  g. Estimated bagasse consumption @ 2.5-3 T steam/ T of bagasse			70 M	Bagasse along with Agro waste (Mix)  70 MT/day (as informed by the unit's officials)										
				54.71	to 65.	66 T/d	lay	- OHICIA	ia)						
		Daily fu				70 M	T/day		_		_	_			
		Daily as			91		T/day								
	Parate Name	100 LORD 1	310000	88901401		(avg.	from (		tober,	2023 to 3	31" Dec	ember,	2023)		
	cons	genera umed	(4)86	w.r.t			20								
	of es	nated asl timated t	fuel cor	nsumed		1.75	T/day								
		osal of a				Ash manu	gener facturi	ated ing (co	from ntract	the un	it was nvoice	being provide	utiliz	ed in	bric
	m. Stack	k Monito	ring re	port		PM-4	8.8 mg	y/Nm <sup>3</sup>	(Stack	monitor	ing by l	JPPCB.	on 02	Feb.202	24.
14.	Hazard	lous was	te man	ageme	nt	Likepo	it Kel.	190.24	34303	/Muzaf	arnaga	IY 2024,			
	a. Aut	horizatio	n statu	e		Andle	nei wadio	am amoun	rad un	Annual -					
		JON LEWIS	LI SVIILO			7577/ MUZ	Authorization granted under ref. no. 7577/UPPCB/Muzaffarnagar(UPPCBRO)/HWM/ MUZAFFARNAGAR/2019 dated 21.10.2019 and valid till 20.10.2024.								
	b. Copy of agreement with recyclers /TSDF														
	/TS	DF					able w	ith Bh		l & Was				2	
	/TS					ETP :	able w	ith Bh	g, Cot	l & Was ton Was g (from (	te- 12 F	g, Use	d oil &	grease-	27 k
5.	c. Haz	DF	raste gi	enerated	ı	ETP s	able w	ith Bh	g, Cot	ton Was	te- 12 F	g, Use	d oil &	grease-	27 k embe
5.	c. Haz	DF ardous w	vaste go	enerated	s Total Hard	ETP s and R 2023) Total Alkali-	able w sludge- tubber	ith Bh	Kg. Cot - 10 Kg	ton Was	te- 12 F	g, Use	d oil &	grease-	embe
5.	c. Haz	DF ardous w	raste gr	s result	s Total Hard ness	ETP s and R 2023) Total Alkali- nity	able w sludge- ubber	180 K waste-	Kg, Cot	ton Was g (from 0	te- 12 F 01st Oct NO <sub>2st</sub> N	eg, User ober, 20 Na+	d oil & 123 to 3	grease- ls Dec	Mg
5.	Ground  pH  7.5	DF ardous w I water a Color	raste go	s result	Total Hard ness 351	ETP s and R 2023) Total Alkali- nity 449	able w sludge- ubber  Cl-	180 K waste-	F BDL	NO <sub>3</sub> -N	NO <sub>2</sub> -N	Na+	d oil & 123 to 3	grease- 1st Dec	Mş 50
5.	Ground  PH  7.5  PO45	DF ardous w I water a Color 06 Cond.	cod analysi	result TDS 772 Cd	Total Hard ness 351	ETP s and R 2023) Total Alkali- nity 449 Cr	ch Ch Ch	SO <sub>4</sub> -	F BDL Mn	NO <sub>3</sub> -N	NO <sub>2</sub> -N BDL Pb	Na+	d oil & 123 to 3	grease- 1* Dec	Mş 50 Zn
5.	Ground  pH  7.5  PO <sub>4</sub> 5-  BDL	DF ardous w I water a Color 06 Cond. 1200	COD  17 As 0.01	result TDS 772 Cd BDL	Total Hard ness 351 Co BDL	ETP s and R 2023) Total Alkali- nity 449 Cr BDL	sludge- ubber	SO <sub>4</sub> - 96 Fe 0.12	F BDL Mn	NO <sub>3</sub> -N	NO <sub>2</sub> -N	Na+	d oil & 123 to 3	grease- 1st Dec	M;
	Ground  pH  7.5  PO4  BDL  *Allpare	Color  Cond.  1200  meters of	COD  17 As 0.01	result TDS 772 Cd BDL	Total Hard ness 351 Co BDL	ETP s and R 2023) Total Alkali- nity 449 Cr BDL	sludge- ubber	SO <sub>4</sub> - 96 Fe 0.12	F BDL Mn	NO <sub>3</sub> -N	NO <sub>2</sub> -N BDL Pb	Na+	d oil & 123 to 3	grease- 1* Dec	M;
6.	Ground  pH  7.5  PO <sub>4</sub> *Allpare  a.  b. c. d. e. f.	DF ardous w I water a Color 06 Cond. 1200	COD  17 As 0.01 ions: inspect r,Kraft D (152 value that bi ton-co and d agreen agreen rut roa	TDS  772 Cd BDL mg/l exc tion, the paper p mg/l) ii 1105 m iologica mplyin ue to di ment wit ment w d, Muzz	Total Hard ness 351 Co BDL ept pH de reduction untreating/l in A l treatme g w.r.t. llution w h BOWl ith M/s affarmage	Total Alkalinity 449 Cr BDL Color paper p n line weed (raw) eration ent proceed ith water of the for Total Dow Reserver for pro-	Cl- 101 Cu BDL Hazen oroduce as open influe tank, i ess is n dische er in E SDF t source proce:	96 Fe 0.12 tion (frational arge in TP. he Hazassing of	F BDL Mn 2.73 from v l on ne TP, incless agailized. orms l zardous	NO <sub>3</sub> -N  BDL  Ni  BDL  vaste pa ext day, dicates dainst no	NO2-N BDL Pb BDL per) pr ilution rmal ra	Na+ 96 BDL ocess on ETP. nge 250 d from relange	K+  08  Se  BDL  was not  00 to 30  DD (40	grease- 1* Dec  Ca  S8  V  BDL  opers  000mg/l	Mg 50 Zn 0.0

- h. Boiler ash generated from the unit was being utilized in brick manufacturing.
- i. Sludge dewatering unit (Belt press) at ETP found in defunct condition. Belt press could not be made functional, despite operator tried to operate different times on both days, before the inspection team. Sludge dry beds were found vacant and no stored sludge was found. This confirms that unit discharges, biological sludge into the adjacent (Dhandhera) drain.

#### Key Issue

- Unit is non-complying w.r.t. notified discharge norms by MOEF&CC for BOD (40 mg/l against 30 mg/l).
- b. Production was 74.86% of total raw material consumed while non solid waste generation 24.14%. However, Plastic waste generation was just 1.56% of product.
- Sludge dewatering unit (Belt press) at ETP found in defunct condition and no wet / dewatered sludge on SDB.
- Logbook of Borewell showing multiple incorrect entries.
- Unit has flowmeter with totalizer at ETP outlet. However, logbook was being maintained on the basis of V-notch reading.
- f. No logbook was being maintained for Plastic waste generation & Plastic waste is not being managed in scientific manner.

#### 17. Compliance Status

As per Discharge norms: Non-complying Overall compliance status: Non-complying

#### 18. Recommendations:

- The unit shall operate ETP properly, particularly Aeration tank, so as to comply with notified discharge norms for treated effluent.
- ii. UPPCB to ensure that the unit shall not discharge biological sludge in to the drain.
- iii. The unit shall get repaired, operate sludge dewatering unit and maintain log-book of sludge disposal.
- Unit must ensure scientific disposal of plastic waste. Unit shall maintain plastic generation and disposal record on daily basis.
- v. Unit shall maintain all logbooks properly with correct entries.
- vi. The unit shall develop green area within unit premises to comply with consent condition.

19,	Inspection team details:										
	S.No.	MoEF&CC/CPCB officials	Designation	Organisation	Signature						
	1.	Dr. A.K. Gupta	Additional Director	MoEF&CC							
	2.	Sh. C.B. Chourasia	Scientist 'E'	СРСВ	-Buss						
	3.	Dr. Vivek Rana	Research Associate-I	СРСВ	yfare.						
	4.	Sh. Muktesh Chaudhari	Senior Research Fellow	СРСВ							
	5.	Mr. Puskar Singh	Tech. Asstt.	UP GWD	4						
	6.	Mr. Diwakar Dev Gahlot	Junior Research Fellow	UPPCB, Muzaffamagar	Cx.						

7,	Mr, Y.K. Mishra	Asst E		
		Asst. Environment Engineer	RO, UPPCB, Mecrut	[ ] au
				No.

### rnotographs





Page 7 of 9



#### UTTAR PRADESH POLLUTION CONTROL BOARD

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831, Fax: 0522-2720764, Email: info@uppeh.com, Website: www.uppeb.com

#### CONSENT ORDER

Ref No. -

134926/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/air/MUZAFFARN AGAR/2021 Dated: 12/11/2021

To.

Shri ANANT TYAGI M/s ORIENT BOARD PAPER MILLS PVT LTD 9TH KM, JANSATH ROAD, MUZAFFARNAGAR, MUZAFFAR NAGAR, 251001 MUZAFFARNAGAR

Sub:

Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. ORIENT BOARD PAPER MILLS PVT LTD

Reference Application No. 13216324

Dated: 12/11/2021

- With reference to the application for consent for emission of air pollutants from the plant of M/s ORHENT BOARD PAPER MILLS PVT LTD, under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions.
- This consent is valid for the period from 16/09/2021 to 31/12/2025.
- Inspite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Previntion and Controt of Pollution) Act, 1981 as amended.

This consent is being issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board

NISHI KUMAR

CHAUHAN

Digitally signed by NISH KUMAR

CHAURIAN

Date: 2021.11.17.16.01:00 +05'30

Chief Environmental Officer (Circle 3)

Enclosed: As above (condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Muzaffarnagar to ensure the compliance of the conditions imposed in the certificate.

NISHI KUMAR

Digitally signed by NISER KLIMAR

CHAUHAN CHRUFWA Date: 2021.

Date: 2021.11.12 16:01:14 + 05:30

Chief Environmental Officer (Circle 3)

#### U.P. Pollution Control Board

Dated : 12/11/2021

#### CONDITIONS OF CONSENT

- This consent is valid only for the approved production capacity of KRAFT PAPER-110 MT/Day, POSTER PAPER AND LIGHT GRAMS KRAFT PAPER 80 TP/Day and POWER GENERATION -1.25 MW. using as main raw material.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior
  approval before making any modification in product/ process /fuel/ plant machinery failing which
  consent would be deemed void.
- The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.
- 3(b). Air Pollution Source Details.

		Air Pollution S	ource Details		
S.No	Air Polution Source	Type of Fuel	Stack No.	Parameters	Height
1	8 TPH BOILER	WOOD/BIOM ASS	01	Particulate Matter	30 METER FROM GROUND LEVEL
2	18 TPH BOILER	RICE HUSK/BIOMA SS	02	Particulate Matter	45 METER FROM GROUND LEVEL

3(e). The emissions by various stacks into the environment should be as per the norms of the Board.

Emission Quality Details Detail							
S.No	Stack No	Parameter	Standard				
1	01	Particulate Matter	AS PER E(P) RULES, 1986				
2	02	Particulate Matter	AS PER E(P) RULES, 1986				

- The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. is disposed in eco friendly manner.
- 5. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- The industry should ensure the operation of the air pollution control system (APCS) in such a
  manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as
  amended.
- The industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P. Rules 1986.
- 8. The industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.
- 10. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.

- 11. The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SFCB.
- 12. The unit shall submit audited balance sheet for the current year and the details of fees deposited during last three years within a month failing which consent would be deemed void.
- 13. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order.
- 14. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- The industry shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
- 16. Minimum 33% of the land on which industry is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www. uppeb. com/pdf/Green-Belt-Guidle 160218.pdf.
- 17. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
- 18. Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.

The Unit will file the renewal application at least 2 months prior to the expiry of this Order. Specific Conditions:

- This CTO is valid only for the production capacity KRAFT PAPER-110 MT/Day, POSTER PAPER AND LIGHT GRAMS KRAFT PAPER 80 TP/Day POWER GENERATION-1.25 MW.
- The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. be disposed in eco friendly manner.
- Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board.
- Unit shall comply all the condition of CTE certificate issued by the Boards on dated-06.04.2021.
- The industry should ensure the operation of the Air Pollution Control System (APCS) in such a manner that the air emission confirms with the standards prescribed under the E.P Act 1986 as amended.
- The industry shall submit Environmental Statement in prescribed format in Form V of rule-14 of E.P.Rules 1986.
- The dying, bleaching and deinking process are not allowed in the production process of the unit.The unit will not use agro based raw materials in the production process.
- 8. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/fuel/plant machinery failing which consent would be deemed void.
- Industry shall install OCEMS on stack as per the direction of CPCB and industry shall also install 360 degree PTZ camera at Conveyer Belt of feeding raw material to the Boiler and is to be operate continuously and connected to UPPCB server.
- Industry shall submit stack/ambient air quality monitoring report from Boards Laboratory, after starting the production within one month.
- 11. The industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- 12. The industry shall submit quarterly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.
- 13. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986 and the various orders issued by the MOEF&CC, CPCB and SPCB in time to time.
- 14. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order till further direction.
- Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 16. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period
- 17. The unit shall submit the audited balance sheet for the current year.
- 18. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 19. The generated plastic waste shall be sent to the cement plant for recycling and its statement regarding storage and send to the cement plant shall be sent to the Board monthly.
- The industry shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in

accordance with section- 21/22 of air Act 1981 (as amended respectively).

20. Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.

Issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board .

NISHI KUMAR CHAUHAN Digitally signed by NISHI KUMAR CHAUHAN

Oste: 2021.13.12 1601.26 (05 10) Chief Environmental Officer (Circle 3)

Dated: 12/11/2021



#### UTTAR PRADESH POLLUTION CONTROL BOARD

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828,2720831, Fax: 0522-2720764, Email: info@uppch.com, Website: www.uppch.com

#### CONSENT ORDER

Rcf No. -135333/UPPCB/MuzaffarNagar(UPPCBRO)/CT O/water/MUZAFFARNAGAR/2021

To,

Shri ANANT TYAGI

M/s ORIENT BOARD PAPER MILLS PVT LTD

9TH KM, JANSATH ROAD, MUZAFFARNAGAR, MUZAFFAR NAGAR, 251001

MUZAFFARNAGAR

Sub: Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974

(as amended) for discharge of effluent to M/s. ORIENT BOARD PAPER MILLS PVT

LTD

Reference Application No :13250536

L. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act,1974 as amended (here in after referred as the act.) M/s. ORIENT BOARD PAPER MILLS PVT LTD is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure, in refrence to their foresaid application.

This consent is valid for the period from 16/09/2021 to 31/12/2025.

In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board
reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the
Water (Previntion and Control of Pollution) Act, 1974 as amended.

This consent is being issued with the permission of competent authority.

For and on behalf of U.P. Pollution Control Board

NISHI KUMAR

Digitally signed by NISHIKUMAR CHAUHAN

Dated:12/11/2021

CHAUHAN

Date: 2021.11.17 16:01:42 +05'30'

Chief Environmental Officer (Circle 3)

Enclosed : As above (condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Muzaffarnagar to ensure the compliance of the conditions imposed in the certificate.

NISHI KUMAR

Digitally signed by NISH KUMAR

CHAUHAN Date: 2023

Date: 2021;11;12:16:01:51:109:30\*

Chief Environmental Officer (Circle 3)

#### U.P. POLLUTION CONTROL BOARD, LUCKNOW

#### Annexure to Consent issued to M/s.ORIENT BOARD PAPER MILLS PVT LTD vide

Consent Order No. 13250536/ Water

Dated: 12/11/2021

#### CONDITIONS OF CONSENT

- This consent is valid for the approved production capacity of KRAFT PAPER-110 MT/Duy. POSTER PAPER AND LIGHT GRAMS KRAFT PAPER 80 TP/Day and POWER GENERATION -1.25 MW using Waste Paper-240 MT/Day as main raw material.
- This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/ process /fuel/ plant machinery failing which consent would be deemed void.

The quantity of maximum daily effluent discharge should not be more than the following:

	Effluent Discharge Details								
S.No	Kind of Effulant	Maximum daily discharge,KL/day	Treatment facility and discharge point						
1	Domestic	3.0 KLD	Septic Tank						
2	Industrial	480 KLD	ETP						

- 4. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain.
- 4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent.

	Domestic Effulant	West and the second second second second second second second second second second second second second second		
S.No	Parameter	Standard		
1	Total Suspended Solids	AS PER E(P) RULES, 1986		
2	BOD	AS PER E(P) RULES, 1986		
3	COD	AS PER E(P) RULES, 1986		
4	Oil & Grease	AS PER E(P) RULES, 1986		
5	Quantity of Discharge	3.0 KLD		

4(b) The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms.

Industrial Effulant			
S.No	Parameter	Standard	
1	Total Suspended Solids	AS PER E(P) RULES, 1986	
2	BOD	AS PER E(P) RULES, 1986	
3	COD	AS PER E(P) RULES, 1986	
4	Oil & Grease	AS PER E(P) RULES, 1986	
5	Quantity of Discharge	480 KLD	

- Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Act, 1986 or otherwise mandatory.
- The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.

- The industry will have to ensure compliance of the permission from the CGWA before ground water
  extraction and it will be the responsibility of the industry to comply with the various conditions of
  the permission taken.
- The industry shall submit Environmental Statement in prescribed form V rule no.14 of E.P. Roles.
- The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- Minimum 33% of the land on which unit is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.II-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle 160218.pdf.
- The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB.
- 12. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized. The unit will ensure facility to transmit data to CPCB server and submit a regular calibration certificate of Electro Magnetic Flow meter to the Board.
- 13. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
- Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.
- 15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

- This CTO is valid only for the production capacity KRAFT PAPER-110 MT/Day, POSTER PAPER AND LIGHT GRAMS KRAFT PAPER 80 TP/Day POWER GENERATION-1.25 MW.
- The unit shall maintain strict supervision on fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- Unit shall comply all the condition of CTE certificate issued by the Boards on dated-06.04.2021.
- 4. In compliance of the Central Pollution Control Board letter no. F. No. B-190193/WQMII/CPCB/P&P/14212 dated 08/12/2017, the industry will follow the Effluent discharge standards as notified under the Environment (Protection) Rules, 1986 and only the treated effluent meeting the effluent discharge norms notified under the Environment (Protection) Rules, 1986 is allowed to discharge.
- 5. The unit will not use agro based raw materials in the production process.
- The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the SPCB and CPCB server.
- Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
- The unit shall ensure deployment of qualified manpower to step up self monitoring mechanism on 24 ×7 basis.
- 9. The unit must comply with the conditions imposed by CGWA in its NOC issued to the unit for ground water extraction. The industry shall not used more than 621 KLD ground water for process and domestic purposes.
- 10. If the CPCB or UPPCB issues the Closure order against the industry this consent order stands automatically suspended for that period.
- Industry shall submit Environmental Statement in prescribed form V as per rule no.14 of E.P. Rules 1986.
- 12. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/compliance report should be sent to the Board within One month.
- 13. Unit must ensure strict time bound compliance of suggestion / recommendation of "Charter for Water Recycling & Pollution Prevention in Pulp & Paper Industries" formulated by CPCB.
- 14. Industry shall install at sufficient height from the ground level Open to Network HD PTZ. Camera at the outlet of the discharge drain of effluent from the factory premises and its URL and password shall be provided to the UPPCB Control room.
- 15. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 16. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/fuel/ Plant machinery failing which consent would be deemed void.
- 17. Industry shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
- Industry shall submit quarterly monitoring reports of treated offluent from a certified approved laboratory under E.P. Act 1986.
- Industry shall comply with various Waste Management Rules as notified by MoEF &CC i.e.
   Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Transboundary) Rules, 2016, E-waste (Management) Rules, 2016.

Construction and Demolition Waste Management Rules, 2016, Battery Rules 2000 and Noise Pollution (Regulation and Control) Rule, 2000.

- 20 Industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
- 21. The unit shall submit the audited balance sheet for the current year.
- Industry shall not use any ink/coloured for making the KRAFT PAPER and POSTER PAPER.
   AND LIGHT GRAMS KRAFT PAPER.
- 23. Minimum 33% of the land on which industry is established will be covered by the plantation of all trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at LIRI. http://www.uppeb.com/pdf/Green-Belt-Guidle 160218.pdf.

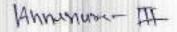
Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

NISHI KUMAR CHAUHAN CHAUHAN DIRE 2021 11 12 160 203 405 30

Chief Environmental Officer (Circle 3)

# 1229boutblank





#### GROUND WATER DEPARTMENT

(Namami Gange & Bural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh

#### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG017064

VALID FROM 31/03/2022 TO 30/03/2027

Registration No.: 202203000	0276		
Name of the Owner	ANANT TYAGI		
Address of the Applicant	9TH KM JANSATH ROAD MUZAFFARNAGAR	Application Form Serial No.	MZFN0322RIN0100
Date of Submission	14/03/2022	Specimen Signature	
Company Name	ORIENT BOARD AND PAPERS MILLS PVT LTD	Company Address	BTH KM STONE, JANSATH ROAD, MUZAFFARNAGAR
Location Particulars			
District	Muzaffar Nager	Block	MUZAFFARNAGAR
Plot No./Khasra No.	1131/4	Municipality/Corporation	No
Ward No./Helding No.			N/A
Particular of the Existing W	ell and Pumping Device		
Date of Construction/Sinking of the Well	26/12/1999		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	60,00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	7.50
Operational Device	Electric Motor	Rate of Withdrawai (m <sup>3</sup> /hr.)	50,00
Date of Energization (in Case of I	Electric Pump)	26/12/1999	
Maximum Allowable Rate of Withdrawal (m³/hr,);	60.00	Maximum Allowable Running Hours Per Day:	5.00
Meximum Allowable Annual Extra	action of Ground Water:		91800.00
Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण	PREVIOUS CGWA NOC HAS EX	PIRED	

#### **Against Case**

This No-Objection cartificate authorizes the owner applicant (user) to sink a well in the location specified at SL (3) for extraction of ground water at a rate not exceeding that as shown at SL (3j), for Running Hours per day as shown at SL (3k), and for maximum allowable annual extraction of ground water as shown at SL (3k) and is valid subject to the observance of the conditions stated overleaf.

#### Conditions

. (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained.

# 1230 bout blank

- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior pennission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization.
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) in case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NGC shall be velid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of plezometers and installation of digital water level recorders with telemotry shall be mondatory for user. Depth and
  zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders
  shall be made available to this office on monthly basis.
- · (10) Guidelines for Installation of Piezometers and their Monitoring
- Piezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NDC:
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the second piezometer should monitor the shallow ground water regime, it will facilitate shallow as well as
  deeper ground water equifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

	S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitring Mechanism	
			The process in the state of the	Manual	DWLR with Telemetry
	1	<10	0	0	Q.
	2	11 - 50	1	11	0
	3	50- 500	.1	0	1
	4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piczometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultor Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 it. capacity bottle) to the concerned Director,
  Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- · · Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified

## 1231 about blank

auditors and submit audit reports within three months of completion of the same to Ground Water Department, Uttar Predesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.

- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring
  mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>/day
  of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be
  constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be
  the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- xi) Injection of treated untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/Petrochemical, Coal
  washeries, other hezerdous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure
  prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proportent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be relained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

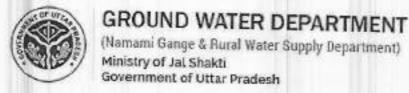
Date: 24/06/2022

Place:Muzatfar Nagar

This certificate is electronically generated and does not require digital signature

about blank

# 1232 Shout blank



#### Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/.COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)
AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG021977
VALID FROM 31/03/2022 TO 30/03/2027

Registration No.: 20220200	0070		
Name of the Owner	ANANT TYAGI		
Address of the Applicant	9TH KM JANSATH ROAD MUZAFFARNAGAR	Application Form Serial No.	MZFN0222RIN0089
Date of Submission	04/02/2022	Specimen Signature	
Company Name	ORIENT BOARD AND PAPER MILLS PVT LTD	Company Address	8TH KM STONE, JANSATH ROAD, MUZAFFARNAGAR
Location Particulars			
District	Muzaffar Nagar	Block	MUZAFFARNAGAR
Plot No./Khasra No.	1131/4	Municipality/Corporation	No
Ward No,/Holding No.			N/A
Particular of the Existing W	ell and Pumping Device		
Date of Construction/Sinking of the Well	26/12/1999		
Type of Well	Tuba Well/Boring	Depth of the Well (In meter)	80,00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	7.50
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	63.00
Date of Energization (In Case of I	Electric Pump)	26/12/1999	
Maximum Allowable Rate of Vithdrawal (m³/hr.):	63.00	Maximum Allowable Running Hours Per Day:	5.00
Maximum Allowable Annual Extra	action of Ground Water:		94500,00
Reason for renewal of N.O.C. (न.ओ.सी. के नदीनीकरण का कारण	CURRENT CGWA NOC WILL EX	PIRE AFTER 04 FEB 2022	
gainst Case			

#### Ageinst Case

This No-Objection certificate authorizes the owner applicant (user) to sink a wall in the location specified at St. (3) for extraction of ground water at a rate not exceeding that as shown at St. (3), for Running Hours per day as shown at St. (3k), and for maximum allowable annual extraction of ground water as shown at St. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### Conditions

 <sup>(1)</sup> In case of any change of awnership of the proposed well, tresh authorization has to be obtained.

# 1233 about blank

- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at St. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation
- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow
  meters(conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of
  extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said
  user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the
  recorded rate from water maters.
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) n case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply
  for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and
  zone tapped of piezometer should be commensurate with that of the pumping wall. The data, obtained from digital water level recorders
  shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Plezometer is a borewell /fube well used only for measuring the water level by lowering the tape/ sounder or automatic water level
  measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation
  of piezometers are as follows for compliance of NOC:
- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than
  one piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as
  deeper ground water aquiter monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table;

S.No	Quantum of Ground water withdrawol (cum/day)	No.of piezometers required	Monitiring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm, the reported measurement should be given in mater up to two decimals.
- For measurement of yester level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with talemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Ultar Pradesh, and for its validation,
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November)
  periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt. capacity bottle) to the concerned Director,
  Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information turnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- . SPECIFIC CONDITIONS:
- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- ii) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water sudit through Confederation
  of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified

# 1234 about: blank

auditors and submit audit reports within three months of completion of the same to Ground Water Department, Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.

- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring
  mechanism as mentioned in General Condition no. 10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup>/day
  of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be
  constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be
  the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to
  pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textles, termery, pesticides/ insecticides, fertilizers, slaughter
  house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Staughter Houses, Dye, Chemical/Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- It case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering
  discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring
  records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
  Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date :24/06/2022

Place:Muzaffar Nagar

This certificate is electronically generated and does not require digital signature



# UTTAR PRADESH POLLUTION CONTROL BOARD TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Ref. No: 7577/UPPCB/MuzaffarNagar(UPPCBRO)/HWM/MUZAFFARNAGAR/2019 Dated: 21/10/2019

To.

M/s ORIENT BOARD PAPER MILLS PVT LTD

9th km jansath road Muzaffarnagar, MUZAFFAR NAGAR, 251001

Tehsil:MuzaffarNagar

District : MUZAFFARNAGAR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Number of authorization and date of issue 7577 and 21/10/2019. 1.
- Reference of application (No. and date) 4962572 and 27/03/2019 2.
- 3. Mr ANANT TYAGI of M/s ORIENT BOARD PAPER MILLS PVT LTD is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at 9th km jansath road Muzaffarnagar.

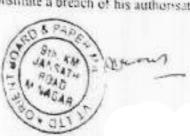
#### Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules LH and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
I	Schedule-I, Cat. 5.2 Wastes or residues containing oil	Through TSDF	0.1 Ton/Annum
2	Schedule-I, Cat. 5.1 Used or spent oil	Through TSDF	0.1 KL/Annum
3	Schedule-I, Cat. 34.2 Sludge . from treatment of waste water arising out of cleaning / disposal of barrels / containers	Through TSDF	0.4 Ton/Annum

- The authorization shall be valid for a period of 20/10/2024 from the date of issue of this letter.
- The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any).

#### General Conditions of Authorization -

- The authorised person shall comply with the provisions of the Environment (Protection Act. 1. 1986, and the rules made there under .
- The authorisation or its renewal shall be produced for inspection at the request of an officer 2. authorised by the State Pollution Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardor-3 and other wastes except what is permitted through this authorization
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation





- 5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- The person authorised shall comply with the provisions autlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty.
- It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or
  pre-processing or utilisation of imported hazardous or other wastes shall be treated and
  disposed of as per specific conditions of authorisation.
- The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
- An application for the renewal of an authorisation shall be made as laid down under these Rules
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year

#### B Specific Conditions of Authorization

The unit will submit the proof of depositing the requisite processing fees of application in a month otherwise this authorization will stands automatically cancelled.

The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers/bags shall be provided with a general label as given in Form 8. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.

The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.

It is brought to your notice that as per the order dated 14.11.2003 passed by the Hon'ble Supreme Court in W.P. (c) 657 of 1995, no industry covered under Hazardous Waste (Management and Handling) Rules, 1989 (as amended) shall be allowed to operate without valid authorisation. It is also provided in the same order that industries which are not complying with the conditions shall not be allowed to operate. Hence in case you fail to apply for authorisation before its expiry or fails to comply with conditions of the earlier authorisation issued to you, closure order shall be issued against your industry without any further notice.

The applicant most file returns on prescribed Form 4 along with a compliance report of this letter. You should also maintain records on Form-3 and present it to Board's inspecting officials. In case of occurrence of an accident, complete depairs on Form 11 must be sent to U.P. Pollution Control Board at the earliest along with details of frithing the provenedial measures taken.

Muse

suitable waste treatment and disposal facility and the design of the facility must be approved by the Buard. Details along with the project report must be sent in this regard within fifteen days of receipt of this letter, otherwise the industry shall become member of a common TSDF and the industry shall start sending the Hazardous waste already stored along with the Hazardous waste generated at hazardous waste to TSDF. The proof of valid membership of TSDF along with proof of disposal of The authorised person shall not receive, collect, or store any hazardous waste from any unauthorised occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorisation of the Board.

In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers of hazardous chemicals such as flammable, corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.

Proposal regarding waste minimization and reuse of wastes must be sent. Details of any recovery/
reuse system must be sent within two months.

It is within the powers and functions of the U.P. Pollution Control Board to suspend/ cancel the authorization issued under the Rule- 6(2) of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

The stored waste shall not be taken out of the storage area except with the written permission of the State Pollution Control Board in this regard.

You are directed to display online data outside the main factory gate with regards to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within fifteen days of receipt of this letter.

It is the mandatory duty of the authorised person to comply with the guideline for transportation of hazardous waste in accordance with Rule 18 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Guidelines in this regard have been issued by Central Pollution Control Board from time to time.

You are directed to provide the complete details regarding the quantity of hazardous waste stored in the factory premises within a month.

You are directed to provide all hazardous waste generated in the factory to any TSDF operating in the state for the treatment and disposal and send the compliance report to the U.P. Pollution Control Board at the earliest.

Status report of hazardous waste stored in premises available storage capacity and future action plan for permanent safe disposal of hazardous waste shall be submitted within one month.

Ground water monitoring report of premises shall be submitted within one month.

Industry will follow the various provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

(Authorized Signatory)

UTTAR PRADESH POLLUTION CONTROL BOARD

Sth. KM Dan. KM HOAD M NAGAR

Copy to: To the Regional Officer, U.P.Pollution Control Board, Muzaffarnagar for information and processary action .

CEO/EE, I/C Circle\_\_\_\_\_

