

**Joint committee report in compliance of the
Hon'ble NGT order dated 10.03.2022 in OA
No.364/2021(PB) in the matter of Santosh
Ram Vs State of MP,**

Date of Inspection :-30th April & 1st May 2022

Committee members

1. Dr. HVC Chary Guntupalli, Scientist-E/Additional Director, MoEF&CC, Integrated Regional Office, Bhopal(MP)
2. Sh. P. Jagan, Scientist-E / Regional Director, CPCB, Bhopal (MP)

**Joint Committee Report in compliance of the Hon'ble
NGT order dated 22.12.2021 in OA No.364/2021(PB) in
the matter of Santosh Ram Vs State of MP**

Hon'ble National Green Tribunal, Principal Bench, New Delhi has passed an order on 22.12.2021 in the application no. 364/2021. The application was registered based on complaint received by E-mail. Hon'ble NGT sought a factual report from a joint committee comprising of CPCB, MPPCB and DM Anupur with regard to status of discharge of fly ash slurry in Khirna storm water drain. A report has been filed by the joint committee through MPPCB giving the status of ash dyke etc. Hon'ble NGT has made the comments and sought clarifications on the report submitted by the above joint committee and constituted two member committee consisting of Regional Officers from MoEF&CC and CPCB, Bhopal. The directions of Hon'ble NGT in the order dated 10.03.2022 is reproduced below:

- 3. From the report, it appears that huge quantity of fly ash is generated which is filled in lagoons and in low lying areas and also otherwise disposed of. Photographs annexed to the report give a view of the drain in question and also of the low lying area. It is not clear what safeguards are employed in filling of the ash in the low-lying area. It is also not clear whether the quantity dumped is within the limit of permission. There appears to be anomaly that on the one hand the report appears to suggest that there is more than 100% utilization in which case there is no question of dumping of ash in low lying area and permission being granted for the purpose. This aspect needs to be clarified.*
- 4. Further, it is not clear whether consent conditions are being complied. The consent order on renewal application dated 14.04.2021 particularly requires as following:-*

“26. Ash pond can be lined with, HDPE/LDPE lining or any other suitable impermeable media such that no leachate take place at any point of time. Ash pond water shall be re-circulated and utilized in the process or other beneficial purposes in the plant.”

- 5. The report also annexes an order of consent dated 30.05.2020 and other permissions for different locations, including order dated 09.09.2021 issued by the State PCB laying down certain conditions for filling the fly ash in low lying area. The status of compliance of such conditions needs to be ascertained.*
- 6. Accordingly, we constitute a joint Committee of Regional Officer, MoEF&CC and Regional Officer, CPCB, Bhopal to verify the above aspects and furnish a further report within two months by email at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF.*

Copy of the NGT order dated 10.03.2022 is enclosed at **Annexure-I**.

In compliance of the Hon'ble NGT (PB) order the following officials from MOEF&CC, Regional Office, Bhopal and CPCB, Regional Directorate, Bhopal have been nominated from their respective departments for field verification:

1. Dr. H.V.C. Chary Guntupalli, Scientist-E/Addl. Director, MOEF&CC, Integrated Regional Office, Bhopal
2. Sh. P. Jagan, Scientist-E/Regional Director, CPCB, RD, Bhopal

Copies of the nomination letters are enclosed at **Annexure-II**.

The committee has conducted the site visit of plant, ash ponds, Khirna Nallah, ash disposal low lying areas during 30.04.2022 to 01.05.2022. The photographs taken during the visit are enclosed at **Annexure-III**.

During the visit the following general observations were made by the Joint committee:

- The Air & Water consents issued by MPPCB are valid up to 30.04.2022 and authorization under Hazardous Waste (Management, Handling and Trans Boundary Movement) Rules, 2016 is valid up to 30.04.2027. Now, Air and Water consents have been renewed up to 30.04.2023. copies of the consents and HW authorisation are enclosed at **Annexure-IV**.
- M/s M.B Power (Madhya Pradesh) Ltd. is having 1200 MW coal based power generation capacity and is located at village Laharpur, Anuppur district in MP.
- The unit is generating about 5000 MT fly ash per day. The unit has installed pneumatic dry ash handling system with 05 nos. ash silos (1000 MT each capacity) and 03 nos. of Hydrobin for wet bottom ash handling system of 750 MT each capacity.
- The generated fly ash is being partly utilised in cement industries i.e. ACC Cement, Kymore, KJS Cement, Maihar, Ultratech Cement, Maihar & Ultratech Cement, Sidhi and brick plants (nearby Anuppur area) and partly filled in identified low lying areas inside the plant premises and outside the plant premises at five locations with prior permission of MPPCB for reclamation of waste land through tarpaulin covered trucks.
- The generated bottom ash is also utilised for filling in low lying area for reclamations of waste land after getting prior permission from MPPCB. Accordingly, the unit has identified some more additional low lying areas and abandoned mines also (Sharda Mine) for filling ash for future use.
- No discharge of flyash slurry / ash pond overflow into Khirna Nallah was observed during the site visit and disposal of ash in low lying areas has been done as per the permission /Consent conditions and CPCB guidelines.

- It was observed that the ash pond is having an HDPE lining system to prevent any seepage of pond water and proper slope has been maintained. Capping has been done and plantation is under progress.

The observations of the Joint committee with respect to various clarifications sought by Hon'ble NGT are as follows:

1. Safe guards employed in filling of the ash in low-lying area.

- A. During the site visit, it was observed that the unit is filling ash in five identified low lying areas from the year 2018-19 after taking permission from MPPCB.
- B. It may be noted that out of total five sites, three sites are closed and two are under active use for disposal of ash. About 28 Lakh MT ash has been disposed in low-lying area from 2018 to March 2022. Remaining capacity of filling ash in permitted low-lying area is about 3.0 Lakh MT. For future plan the unit has identified additional low-lying areas and permission is under progress. Details of identified new low-lying areas and allotted abandoned coal mines are as given below.

S. No.	Name of the areas	Proposed quantity in Lakh MT
01	Sharda abandoned coal mine of SECL	9.80
02	Low-lying area, Jaithari	1.50
03	Low-lying area, Dhangawan	1.50
04	Low-lying area, Paraswar	0.20
05	Low-lying area, Lapta	1.50
Total Proposed quantity in Lakh MT		14.50

- C. The safeguards employed in filling of the ash in low-lying area are given below:

- (I) All the five allotted low-lying areas are designed as per CPCB guidelines and consent conditions by taking the following measures.
- (II) Preparation of filling area by Demarcation of the area, Vegetation Removal, Levelling of area, filling of area with wet/conditioned ash.
- (III) Prevention of pollution by spraying water on road & ash filling area and using tarpaulin covered truck during transportation of ash.
- (IV) Soil Cover on the top of Ash fills by providing 0.5 m soil cover for reclamation of land for utilization.
- (V) Construction of Retaining wall to prevent breaching of filled area.
- (VI) Plantation at the periphery of the filled area to maintain stability.
- (VII) Construction of CC outlet to prevent breaching and top soil cover erosion during rainfall.
- (VIII) Installation of sign Boards with details of sites for creating public awareness.
- (IX) Demarcation of the area by installing of RCC munare to prevent disposing of the ash outside the allotted area.

2. Clarification w.r.t. the quantity of ash dumped in the low lying areas:

MPPCB has not mentioned the quantity of ash to be filled in the permission letter for the Laharpur site (within plant), Sakra village site, Chheerapatpar village site, Chhulaha village site & Rajendra gram site and only area in hectares is mentioned in the permission letter. Accordingly ash has been filled within the allotted area and up to the natural ground level by the industry.

Whereas, the ash disposal permitted quantities are clearly mentioned in the permission letter issued for Laharpur village and Jamudi village sites. The details of the permitted sites, GPS locations, allotted area (Ha), permission date, permitted quantity, actual filled quantity are given below.

Details of low-lying areas where fly ash is being disposed of								
Status as on 31.03.2022								
S. No.	Village Name	Address	GPS Location	Allotted Area (Ha)	Date of Permission/CTO	Permitted Quantity (MT)	Actual disposed Quantity (MT)	Current status
1	Inside Plant premises	Vill. Laharpur, Jaithari, Distt. Anuppur	23.075876N, 81.805226E	24.669	30.5.2020	Not Defined	1344094.27	filling is in progress.
2	Sakra	Vill. Sakra, Sakra, Distt. Anuppur	23.065406N, 81.623200E	7.9191	02.9.2020	Not Defined	245,411.51	Completed.
	Chirpatpar	Vill. Chirpatpar, Sakra, Distt. Anuppur	23.083788N, 81.532933E	7.0400			102244.23	Completed.
3	Sakra - II	Village Sakra, Sakra, Distt. Anuppur	23.069793N, 81.624637E	0.1772	09.9.2021	Not Defined	-	Not filled due to dispute among landowners.
	Rajendragram	Village Rajendragram, Distt. Anuppur	22.945253N, 81.648246E	1.043			40,500.00	filling is in progress.
	Chhuallaha	Village Chhuallaha, Jaithari, Distt. Anuppur	23.500000N, 81.451130E	1.845			69,988.27	Completed.
4	Laharpur village	Village Laharpur, Jaithari, Distt. Anuppur	23.053800N, 81.812100E	4.410	25.2.2022	38,540	13,621.72	filling is in progress.
5	Jamudi	Village Jamudi, Distt. Anuppur	23.062100E, 81.630100E	8.896	25.2.2022	1,00,017	-	Yet to be commenced.
							28.07372 lakh MT	

Copies of the permission letter dated 30.05.2020, 02.09.2020, 09.09.2021, 25.02.2022 and 25.02.2022 are enclosed at **Annexure-V**.

3. Clarification w.r.t. more than 100% utilization of ash:

The industry is generating about 5000MT fly ash from the thermal power plants and using the 100% fly ash in cement industries, brick manufacturing units, asbestos sheet making, filling in low-lying area etc. and the ash utilization is more than 100% because the industry is also disposing the legacy ash from the ash pond. As per the MoEF&CC notification dated 14.09.1999 and 31.12.2021, the ash filling in low-lying area is also considered as utilization. The details of ash generation and utilization for the last 4 years are as given below.

Ash Utilization details during the year 2018-19 to 2021-22				
			As on 31.03.2022	
Types of Ash Utilization	2018 -19	2019 – 20	2020 - 21	2021 - 22
	(MT)	(MT)	(MT)	(MT)
Cement Plant	748949	1305017	1163380	934032
Asbestos Roof Sheets	17540	14080	1790	45
Highway	1085	1105	0	0
Fly Ash Bricks	11065	8560	10250	15588
Ash Dyke Raising	134905	0	0	0
Civil Concreting	905	0	0	0
Filling in low-lying area	721509	270003	576166	1239694
Total utilization	1635958	1598765	1751586	2189359
Total Ash Generation	1577875	1552755	1540515	2184817
%age Utilization	103.68%	102.96%	113.70%	100.21%

- Average plant load factor (PLF) in year 2021-22 was 73.4%, whereas, it was 63.64%, 59.46% and 63.30% in year 2018-19, 2019-20 and 2020-21 respectively. Due to increase in plant load factor during the year 2020-21, coal consumption was increased which resulted in increase of ash generation, which is on higher side of previous year.
- Prior to MoEF&CC Notification dated 21/05/2020, there was restriction to use coal of ash content <34%, but after the said notification it was relaxed to use coal of higher ash content of lower GCV.
- M/s Tirupati Buildcon and M/s Dilip Buildcon had utilized ash for construction of road during year 2018-19 & 2019-20. But presently there is no such activities in the vicinity of thermal power plant.
- Ash was used to raise height of ash dyke to minimize the use of top soil for embankment/bund rising and same has been reported to CPCB/MPPCB/CEA. As per the industry this quantity of ash is utilized for embankment, not stored in ash pond and using of ash in ash pond bund height rising is also considered as utilization as per MoEF&CC Notification dated 31.12.2021.
- In the year 2018-19, the industry has utilized ash for construction of concrete road inside the plant for movement of heavy vehicle of coal. But presently there is no such construction activity for in-house utilization of ash.
- It is considered as one of the best utilization of ash in environment friendly manner is cement manufacturing, but during the year 2021-22, cement industries situated in Satna area has reduced offtake therefore the industry utilized maximum quantity of ash in low-lying areas. Reason for low demand from cement industries is due to Covid-19.

4. Status of compliance of consent conditions in the renewal application dated 14.4.2021

- During the site visit, it was observed that there is a one ash pond which covers approx. 50 acre area in plant premises which has age of 6 years. It is divided into two parts, Lagoon 1 & Lagoon 2. Lagoon 1 is completely filled with approx. 14.18 lakh MT fly ash and capping work with soil cover has been completed and plantation work is under progress. Lagoon 2 which has capacity to contain fly ash approx. 4.5 lakhs MT and presently filled up about approx. 0.82 lakhs MT fly ash and remaining 3.18 lakhs MT is reserved for the handling in emergency situation.
- The Joint committee noted that the unit has used geomembrane of 1000 micron thickness HDPE lining during construction of ash ponds. Total 90,000 m² lining provided at all the slopes of ash ponds and 1,50,000 m² lining provided on the bottom of ash ponds. It was confirmed from the original drawings, purchase orders related with ash pond construction as well as photographic evidences pertaining to the construction phase of ash pond and the same was further physically checked at ash pond by the Joint committee. Photos of HDPE liner, HDPE lining order copy and ash pond drawing copies are enclosed at **Annexure-VI**.
- The compliance status of conditions given in the consent application dated 14.04.2021 and consent order dated 13.5.2021 issued by MPPCB is enclosed as **Annexure-VII**. It is evident from the point-wise observations of the Joint committee against each of the conditions stipulated in the consent to operate issued by MPPCB vide letter dated 13.05.2021, the overall compliance of the consent conditions is found to be satisfactory except for the installation of Flue-Gas Desulphurization unit, which is currently in progress in accordance with the time line set by the MOEFCC, i.e., Dec., 2024. Further, the committee also noted that no show cause/closure notices were issued to the industry by MPPCB since the grant of Consent to Operate.

5. Status of Compliance of consent order dated 30.5.2020 and permissions order dated 9.9.2021 issued by MPPCB for filling of fly ash in low lying area.

S. No.	Consent conditions as per the orders dated 30.5.2020 and 9.9.2021	Compliance status as furnished by the project proponent to MPPCB vide letters dated 15.04.2022 against the orders dated 30.5.2020 and 9.9.2021	observations of the Joint Committee based on the site visit undertaken during 30 th April-1 st May, 2022
1.	लो-लाईंग क्षेत्रों में फ्लाई एश भरने के लिए केन्द्रीय प्रदूषण नियंत्रण बोर्ड द्वारा प्रकाशित "Guideline to disposal/utilization of fly ash for reclamation of low lying areas and in stowing of abandoned mines/ quarries- मार्च 2019 में वर्णित प्रावधानों का प्रक्रिया का पालन सुनिश्चित करना होगा।	Complied all the conditions of the permissions issued by MPPCB and guidelines of CPCB.	During the site visit, it was observed that the project proponent is complying all the provisions of guidelines issued by CPCB
2.	लो-लाईंग एरिया को भलीभांति चिह्नित करने हेतु मुनारे/मार्किंग्स स्थापित करने होंगे तथा इस क्षेत्र की भू-सतह को 15 से.मी. गहराई तक स्क्रैप (Scrap) कर सभी जैव विघटनीय तत्वों तथा घास फूस, पौधे, जड़ें यदि कोई हों तो आदि को हटाया जाना होगा। भरण क्षेत्र को अन्य क्षेत्रों से पृथक् रखने हेतु आवश्यकतानुसार रिटेनिंग वॉल का निर्माण किया जाना होगा।	Complied. Demarcation of the area has been done before starting ash filling in the area. Retaining walls have been constructed as per requirement. All vegetation has been removed before starting ash filling at the area.*	During the site visit, it was observed that demarcation of the low lying area has been done by installing munare. Project proponent informed that all the natural vegetation has been removed by scrapping 15 cm soil layer and the same was verified from the photographic evidences. An earthen retaining bund with concreted gully structure for flow of rainwater run-off was seen provided at each of the low lying areas.

3.	फलाई एश भरण पूर्व भू-सतह में विद्यमान केक्स (Cracks), छिद्रों (Hole), फॉल्ट्स (Faults) को फलाई एश से भरकर (Plug) वायबेट्री रोलर से भारतीय मानक 2720 (भाग vii) अनुसार 95% ड्राय डेनसिटी तक कॉम्पैक्ट व समतल किया जाना होगा।	Being complied. Vibratory roller has been deployed at the site to achieve compaction @ 95% dry density. Cracks and holes of Low Lying Area have been filled before starting of backfilling operations.	During the site visit, it was observed that vibratory rollers have been deployed at each of the low lying areas where filling is in progress. Project proponent informed that the cracks and holes of the low lying area are being filled before starting of operations and 95% dry density compaction is being ensured. Test reports related to compaction were made available during the site visit.
4.	उपरोक्तानुसार तैयारी पूर्ण कर भराव स्थल तक पॉण्ड एश का परिवहन 15: नमी के साथ तथा तारपोलिन कवर्ड वाहन में किया जाना होगा। भरावस्थल पर भी सदा फलाई एश में आवश्यक नमी सुनिश्चित करनी होगी एवं यह भी सुनिश्चित करना होगा कि फलाई एश हवा के साथ यत्र-तत्र न फैले। परिवहन मार्गों का आवश्यकतानुसार रख रखाव किया जाना होगा ताकि आवागमन के दौरान धूल का प्रसार न हो।	15 % moisture content is being maintained in fly ash through conditioners installed in ash loading point of ash silos and same is loaded through trucks/hyvas and transported in ash filling areas. Tarpaulin covered vehicles are being used for its transportation to avoid fugitive dust emissions. Water tankers/sprinklers have been used to prevent fugitive dust emissions.	During the site visit, it was observed that fly ash is adequately conditioned in the ash silos before disposal in the low lying areas. Moisture content of fly ash was physically verified and was found to be adequately moistened to prevent dust emissions. It was also observed that the fly ash is being transported in tarpaulin covered hywas/truck.
5.	भरण स्थल में फलाई एश का भरण 25-30 से.मी. की कॉम्पैक्टेड परतों (Layers) में की जाना होगा। एक समय में किसी भी परत की लम्बाई 150	Fly Ash is being dumped in layers of 30cm (Compacted Thickness) of 150 mtr long spreads. And overlap is also	During the site visit, it was observed that the fly ash is being disposed in the low lying area in

	मीटर से अधिक नहीं होगी तथा दो परतों में कम से कम 60 से.मी. का ओवरलैप रखना होगा तथा आगामी परत के निर्माण हेतु दो परतों में निर्धारित Overlap रखना होगा।	being maintained as per guidelines.	accordance with the contents of the stipulated condition.
6.	प्रत्येक परत को 6-10 टन के वायब्रेट्री रोलर से ऑप्टीमम नमी (लगभग 38-40%) सुनिश्चित करते हुए 95% ड्राय डेनसिटी तक भारतीय मानक 2720 (भाग vii) अनुसार कॉम्पैक्शन (Compaction) करना होगा तथा इसका रिकॉर्ड संधारित करना होगा।	Being Complied. Vibratory rollers of 10 MT are being used at each site for compaction of ash. Only wet/conditioned ash is being transported to fill in low lying area. Moreover, water sprinkling is also been done to achieve optimum moisture content for achieving 95% compaction.	During the site visit, fly ash compaction records were presented and were found to be complying the contents of the stipulated condition. Vibratory rollers (10 Ton capacity) have been deployed at each of the low lying areas for compaction of fly-ash.
7.	फ्लाई एश लोडिंग परिवहन मार्गों तथा भराव स्थल पर अनलोडिंग व परत बिछाने के दौरान पर्याप्त स्प्रेकलर्स, की स्थापना करनी होगी ताकि धूल का प्रसार न हो।	Being complied. Mist guns are used at ash loading area, water tankers are used at approach roads, mist guns/sprinklers are used at unloading areas and filling areas to control fugitive emissions.	During the site visit, it was observed that the mist guns and water tankers were deployed to control fugitive dust at the low lying areas where fly ash filling is in progress.
8.	फ्लाई एश भराव क्षेत्र में यह सुनिश्चित किया जाना होगा कि परिवेशीय वायु गुणवत्ता निर्धारित मानकों के अनुरूप रहे तथा आसपास के ग्रामीण क्षेत्रों, खेतों आदि में धूल उड़ने की समस्या ना व्याप्त हो।	Being Complied. Ambient air quality monitored quarterly at each site at upwind and downwind directions for 8 hrs duration of PM10 and PM2.5.	During the site visit, it was observed that fly ash is adequately conditioned in the ash silos before disposal in the low lying areas. Moisture content of fly ash was physically verified and was found to be adequately moisted to prevent dust emissions. It was also observed that the fly ash is

			being transported in tarpaulin covered hywas. No impact on the adjoining areas around the low lying areas was observed during the site visit. Test reports related to ambient air quality monitoring undertaken in the active sites by NABL accredited laboratory reveal that all the monitored parameters are well within the stipulated standards.
9.	भराव स्थल उपरोक्तानुसार फलाई एश भरण के पश्चात्, इसकी सतह पर 0.5 मीटर मृदा की परत बिछाकर भरण क्षेत्र का क्लोजर (Closeure) सुनिश्चित करना होगा तथा उस पर 02 माह की समय-सीमा में सघन वृक्षारोपण हरित पट्टी विकसित करनी होगी।	Being Complied. All the three closed sites are already covered with 0.5m thick soil cover to grow vegetation. Plantation has been initiated at all the closed sites.	During the site visit, it was observed that the three low lying areas (Sakra, Chheerapatpar and Chulah) are already covered with 0.5m thick soil cover to grow vegetation. 3-layer sapling plantation has been initiated at all the closed sites.
10.	प्रारंभ से अंत तक किए जा रहे समस्त कार्यों का छाया चित्रण (Photo graphy) तथा विडियोग्राफी की जाना होगी तथा समय-समय पर बोर्ड मुख्यालय एवं क्षेत्रीय कार्यालय में उपलब्ध कराना होगा।	Being complied.	During the site visit, photographic evidences were furnished with respect to all the low lying areas where the filling is completed. It was also noted that the details in this regard is also being submitted to MPPCB.

11.	स्थल पर पानी के साथ स्लरी बनाकर एश पंप करने/ भरने पर यह अनुमति स्वतः निरस्त मानी जावेगी।	The industry transport only conditioned/wet ash. It will neither make the slurry nor transport to the low-lying areas.	During the site visit, it was observed that only wet conditioned ash is being disposed in the low lying area and no ash slurry is being disposed.
12.	यह अनुमति विद्यमान भू-तल (Existing Ground Level) तक लो-लाईंग एरिया भरण कर समतल करने के उद्देश्य से दी जा रही है ताकि विद्यमान भू-स्तर से ऊपर फलाई एश भरने पर भी यह अनुमति निरस्त मानी जायेगी।	All the 03 closed sites levels are maintained up to the ground level only and the remaining two active sites levels will also be maintained to the ground level.	During the site visit, it was observed that all the three sites are completely closed with soil cover and the surface level is found to be well below the natural ground level.

It is evident from the point-wise observations of the Joint committee against each of the conditions stipulated in the permission granted by MPPCB vide order dated 30.5.2020 and other permissions dated 9.9.2021 issued by MPPCB for filling of fly ash in low lying area, the overall compliance of the conditions stipulated is found to be satisfactory.

Conclusions of the Joint Committee:

- No discharge of fly-ash slurry into Khirna Nallah was observed during the site visit and disposal of ash in low lying areas is in line with the Consent conditions and CPCB guidelines.
- The joint committee observed that the ash pond is having an HDPE lining which was further confirmed from the original drawings, purchase orders related with ash pond construction as well as photographic evidences pertaining to the construction phase of ash pond
- The low lying areas where ash is disposed of shall be kept under surveillance to understand the long term ground water contamination (if any). In this context, annual Ground water monitoring shall be undertaken by the project proponent through a third party NABL accredited laboratory and reports be submitted to all the regulatory authorities on an annual basis
- Proper watch and ward arrangements shall be made at each of the low lying areas lying outside the plant premises till the plantation becomes self sustaining.



(Dr HVC Chary Guntupalli)
Scientist-E/Additional director,
MoEF&CC,
Integrated Regional Office, Bhopal



(P. Jagan)
Scientist-E/Regional Director,
CPCB
Regional Directorate, Bhopal

Item No. 04

(Court No.01)

**BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI**

(By Video Conferencing)

Original Application No. 364/2021

(With report dated 28.01.2022)

Santosh Ram & Ors.

Applicant(s)

Versus

State of Madhya Pradesh

Respondent

Date of hearing: 10.03.2022

**CORAM: HON'BLE MR. JUSTICE ADARSH KUMAR GOEL, CHAIRPERSON
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER
HON'BLE PROF. A. SENTHIL VEL, EXPERT MEMBER
HON'BLE DR. VIJAY KULKARNI, EXPERT MEMBER**

Respondent: Ms. Anuradha Mishra, Advocate for MPPCB
Mr. Venkatesh, Advocate for Moser Baer Power Project

ORDER

1. Grievance in this application is against unscientific discharge of fly ash slurry in Khirna storm water drain, Anupur District, M.P by Moser Baer power project (now Anupur Thermal Power Project), adversely affecting the environment and public health.
2. Considering the above, the Tribunal sought a factual report from a joint Committee comprising CPCB, State PCB and District Magistrate, Anupur with regard to status of discharge of fly ash slurry in Khirna storm water drain. A report has been filed by the joint Committee through the State PCB giving the status of ash dyke/pond as follows:-

"Present Status of Ash Dyke/ Pond:-

There is a one ash dyke which covers approx. 50 acre area in plant premises which has age of 6 years. It also divided into two parts; **Lagoon 1 & Lagoon 2.** **Lagoon 1** is completely filled is approx. 12 lakh MT fly ash and capping work is going on for the final closing of the ash dyke. **Lagoon 2** which has capacity to contain fly ash approx. 4.5 lakhs MT and presently is filled up about approx. 3 lakhs MT fly ash and 1.5 lakhs MT is remaining is reserved for the handling in emergency situation. The unit is also filling ash in many identified low lying area since last one year. Copies of permission of MPPCB are attached at Annexure-IV. The industry has also taken permission from MPPCB to dispose about 1 lakh tonnes of fly ash through ash mound, which can be done in future. Copy of ash mound permission from MPPCB is attached at Annex.-V. The unit has also completed safety Audit of ash dyke by IIT, Delhi on June-2021. The safety assessment of Ash Dyke certificate as enclosed at Annexure-VI.

Fly ash Utilization/disposal (2021-22 till date provided by the Unit)

S. No.	Mode of Utilization	Quantity In MT
01	Brick Manufacturing	9675.00
02	Cement Industries	556884.78
03	Low lying area filling	1022361.42
04	Other utilisation/ Roof sheet manufacturing	45.00

The Industry has provided an action plan for fly ash utilization for next three years at **Annexure-VII.**

Joint Inspection as per the Hon'ble NGT Order (Date-17.01.2022)

To find out facts as well as present actual status of the complaint mention in NGT order.

About The Khirna Nalla:-

The Khirna nalla originates from the Khirna tola, Laharpur village situated in Anuppur district and passing through plant premises adjoining nearby villages i.e. Amgawan, Chulha, Senduri, finally meet to river Sone. It is a seasonal nalla and during visit the **joint team** has observed lean flow prevailing in this nalla. The industry regularly monitors the water quality of khirna nalla as well as Son river at upstream and downstream through MPPCB and certified laboratory. Copies of analysis reports are attached at **Annexure-VIII.**

1. The team has taken the water and sludge/ sediments samples of nalla water before the entering of plant premises at near ITI, Small Bridge Jaithari (Upstream) for the purposes to know the actual water quality of the nalla. The team has

observed water was clear, colour less and having very lean flow.

2. The team has also taken the water and sludge/ sediments samples of nalla water inside in the plant premises at near ash dyke area. The team has observed the nalla water was clear, colour less and having lean flow and also found presence of aquatic life.
3. The team has also taken the water and sludge/ sediments sample of nalla from near Senduri village small bridge (U/S) from the plant which is approx. 05 Km from the plant. At this point the water was clear, colour less, odour less and now was observed. There is no visual evidence found of fly ash disposal in nalla. Aquatic fish was also seen in the nalla water.
4. The team has also taken the water and sludge/ sedimentation samples from the atler confluence of the River Sone Nalla with Khirna Nalla (100 meter D/S). The water was clear, colour less, odour less and flow was observed. Water Quality of River Sone was also clear, colour less and flow was observed. There was no evidence of fly ash contamination visualized by the joint committee in Sone River.

The details of water and sludge/sedimentation sampling as given below Table:-

S.No.	Sampling Location	Latitude	Longitude
1.	Khirna Nalla U/s at near ITI Jaithari	23.055678	81.792709
2.	Khirna Nalla Inside the plant premises near Ash dyke area	23.072174	81.784398
3.	Khirna nalla D/s at near Senduri Village	23.114779	81.751231
4.	After Confluence of Khirna Nalla at 100m D/s of River Sone.	23.128436	81.751475
Note: The analysis results of samples are awaited from lab.			

Main Observations During The Joint Inspection:-

1. The team has visited and observed the present status of the Khirna Nalla, there was no accumulation found of fly ash at the bank of nalla. Water quality observed clear, colourless, & odourless and not found turbid due to fly ash contamination. Presence of flora, faunas are also observed.
2. The team has inspected Khirna nalla about 7-8 KM at different locations after downstream of the plant as well as along the periphery of the plant. There was no visual evidence found due to contamination of fly ash in water quality of Khirna nalla and River Sone. Heaps of fly ash are also not seen at the bank of nalla and

Sone river. Joint committee has observed the Khirna nalla very closely near village Jaithari, near duck area and near ash pond area (near Guwari village), at village Senduri.

3. Joint Committee has also travelled along the nalla from upstream (Before entering the plant) to downstream up to confluence point of khirna nalla with Sone river and found no visual appearance change in before and after confluence of Khirna nalla in river sone in term of water quality.
4. The joint team has also visited the generated fly ash handling area of the plant i.e. ash silo as well as Hydrobin system and found no spillage of ash. The generated dry fly ash collecting in Will silos and loading in bulkers through dry ash loading system and found no fugitive emission during ash handling. The wet bottom ash also loaded from Hydrobin to Hywa for filling in low lying area. **The quantity which was balanced after sending to Cement industry also converts into moist condition and transported through hywa for filling in low lying area.**
5. At the site of ash handling area there are two mistgun was operating to control the fugitive dust emission and water spraying through water tanker are also used there.
6. The team has also found one storm water drain to meet khirna nalla in the plant premises but at the time of inspection the drain was dry and no evidence found of fly ash discharge in to Khirna nalla and also no evidence is found to destroying Khirna nalla by MB Power (Madhya Pradesh) Ltd.
7. During the document inspection the industry complying the 100% fly ash utilization since last 4 years a copy of summary sheet attached at Annexure- IX. The year wise ash generation and utilization is given below in table.

Year	Generation in MT	Utilization in MT	% Utilization
2018-19	15778755.30	1635958.00	103.68
2019-20	1552755.00	1598765.00	102.96
2020-21	1540515.00	1751585.64	113.70
2021-22	1580890.23	1588966.20	100.51

At SDM Office, Jaithari Joint committee also interacted with complainer Sh. Shantosh ram Rathour, Sh. Rohani Prasad Rathour, Sh. Sugreev Jaiswal which are residence of Village Guwari Jaithari. On their request committee has seen the so called affected area accordingly to them but not found concrete evidence of fly ash discharge there."

3. From the report, it appears that huge quantity of fly ash is generated which is filled-in lagoons and in low lying areas and also

otherwise disposed of. Photographs annexed to the report give a view of the drain in question and also of the low lying areas. It is not clear what safeguards are employed in filling of the ash in the low-lying area. It is also not clear whether the quantity dumped is within the limit of permission. There appears to be anomaly that on the one hand the report appears to suggest that there is more than 100% utilization in which case there is no question of dumping of ash in low lying area and permission being granted for the purpose. This aspect needs to be clarified.

4. Further, it is not clear whether consent conditions are being complied. The consent order on renewal application dated 14.04.2021 particularly requires as follows:-

"26. Ash pond can be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate take place at any point of time. Ash pond water shall be re-circulated and utilized in the process or other beneficial purposes in the plant."

5. The report also annexes an order of consent dated 30.05.2020 and other permissions for different locations, including order dated 09.09.2021 issued by the State PCB laying down certain conditions for filling the fly ash in low lying area. The status of compliance of such conditions needs to be ascertained.

6. Accordingly, we constitute a joint Committee of Regional Officer, MoEF&CC and Regional Officer, CPCB, Bhopal to verify the above aspects and furnish a further report within two months by email at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF.

List for further consideration on 23.05.2022.

2

A copy of this order be forwarded to Regional Officer, MoEF&CC
and Regional Officer, CPCB, Bhopal by e-mail for compliance.

Adarsh Kumar Goel, CP

Sudhir Agarwal, JM

Prof. A. Senthil Vel, EM

Dr. Vijay Kulkarni, EM

March 10, 2022
Original Application No. 364/2021
SN



भारत सरकार
GOVERNMENT OF INDIA

पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST
AND CLIMATE CHANGE

SPEED POST

एकीकृत क्षेत्रीय कार्यालय
Integrated Regional Office
"केन्द्रीय पर्यावरण भवन"
"Kendriya Parivartan Bhawan"
मिन्स रोड नं०-3 Link Road No. 3, E-5,
नविकर नगर/Ravi Shankar Nagar,
बोपाल (म.प्र.) Bhopal-462016 (M.P.)
Ph : 0755-2469707, 2466525
फैक्स नं./Fax No. 0755-2463102
अणु डाक / E-mail : rowz.bpl-mef@nic.in

File No. 21-18/2021(ENV) /106
To

Dated: 03.2022

04/04/2022

The Regional Director
Central Pollution Control Board,
Parivesh Bhawan, Pariyavaran Parisar,
E-5, Arera Colony, Bhopal-462016
Madhya Pradesh

Sub.: Nomination of Scientist-E/Addl. Director to represent Regional Officer, MoEF&CC, IRO Bhopal for the Joint Committee constituted in compliance of Hon'ble NGT's order dated 10.03.2022, in the matter of Santosh Ram & Ors. versus State of Madhya Pradesh (OA no. 364/2021) - regarding.

Ref.: Hon'ble NGT's order dated 10.03.2022 passed in the matter OA no. 364/2022.

Sir,

The undersigned has been directed to draw your kind attention to the above mentioned subject and letter under reference.

2.0 In this context, it may be noted that **Dr. H.V.C. Chary Guntupalli, Scientist-'E'/Addl. Director** is hereby nominated to represent Regional Officer, MoEF&CC, IRO Bhopal for the committee to verify and furnish a report in the matter. For further co-ordination for site visit, the officer may be contacted at the following contact details:

Name : Dr. H.V.C. Chary Guntupalli,
Designation : Scientist-'E'
Mobile Number : 9990517580
E-mail: hvc.chary@nic.in

This issues with the approval of the competent authority.

Yours sincerely,

(Vishwa Bandhu Meena)
Scientist-'C'

Copy to:

Shri Nazimuddin, Divisional Head-IPC-II, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi 110 032- for information please.

(Vishwa Bandhu Meena)
Scientist-'C'

Signed by Hvc Chary

Guntupalli

Date: 04-04-2022 12:26:1

Reason: Approved



क्षेत्रीय निदेशालय (मध्य), भोपाल
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, मानव सरकार)

क्षे.नि.भो./एन.जी.टी. ओ.ए.- 364/2021(PB)/100

दिनांक : 28 अप्रैल, 2022

प्रति,

Most urgent
NGT Case

उप वन महानिदेशक,
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
एकीकृत क्षेत्रीय कार्यालय (IRO)
ई-5, केन्द्रीय पर्यावरण भवन
अरेश कॉलोनी, लिंक रोड
रविशंकर नगर, भोपाल-462016

विषय: NGT OA No. 364/2021(PB) "Santosh Ram & Ors. Vs. State of Madhya Pradesh & Ors." में अधिकारी के नामांकन बाबत।

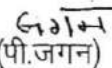
संदर्भ: माननीय एन.जी.टी. द्वारा पारित आदेश दिनांक 10.03.2022

महोदय,

कृपया माननीय एन.जी.टी. द्वारा दिनांक 10.03.2022 को विषयांकित प्रकरण में पारित आदेश का अवलोकन करने का कष्ट करें (छायाप्रति संलग्न है)। विषयांकित प्रकरण में माननीय एन.जी.टी. द्वारा पारित आदेश दिनांक 10.03.2022 के संदर्भ में संयुक्त समिति का गठन किया गया है, जिसमें पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय एवं केन्द्रीय प्रदूषण नियंत्रण बोर्ड के क्षेत्रीय अधिकारी शामिल है। संयुक्त टीम द्वारा कार्य पूर्ण करने के पश्चात् प्रतिवेदन दो माह के भीतर माननीय एन.जी.टी. के समक्ष प्रस्तुत करना होगा। प्रकरण में आगामी सुनवाई दिनांक 23.05.2022 नियत है।

उपरोक्त कार्य हेतु इस कार्यालय से अधोहस्ताक्षरकर्ता श्री पी. जगन, क्षेत्रीय निदेशक (मोबाइल नं. 9755559745), ईमेल-cpcb.bhopal@gov.in को नामित किया जाता है। अनुरोध है कि उपरोक्त कार्य हेतु तिथि निर्धारित कर इस कार्यालय को सूचित करने का कष्ट करें जिससे माननीय एन.जी.टी. द्वारा नियत तिथि के पूर्व की गई कार्यवाही संबंधी प्रतिवेदन माननीय एन.जी.टी. के समक्ष प्रस्तुत किया जा सके।

भवदीय,


(पी.जगन)
क्षेत्रीय निदेशक

संलग्नक: उपरोक्तानुसार।

प्रतिलिपि:

(1) डिविजनल हेड, विधि अनुभाग, के.प्र.नि.बोर्ड, दिल्ली - की ओर कृपया सूचनार्थ।

क्षेत्रीय निदेशक

"राजभाषा हिन्दी में पत्र व्यवहार का स्वागत है"

Annexure-III

**Photographs of Joint Committee visit to M/s MB Power(MP) Pvt Ltd,
Annupur (MP)**



5 nos. of 1000 MT capacity each dry fly ash silos



Dry ash transported to cement plants through bulkers



Dry ash and wet ash transported through covered trucks



View of the truck/Hyva carrying ash with tarpaulin cover on top



Bottom ash collected in 3 nos. of hydro bins capacity 750 MT each



View of wet ash loading in trucks for disposing in low lying area



4 nos. of mist guns provided at the ash handling area to control fugitive emission due to vehicular movement on roads



MOEF& CC and CPCB team visiting the ash pond area



View of the HDPE liner provided on the bottom of the ash pond as per consent condition issued by MPPCB



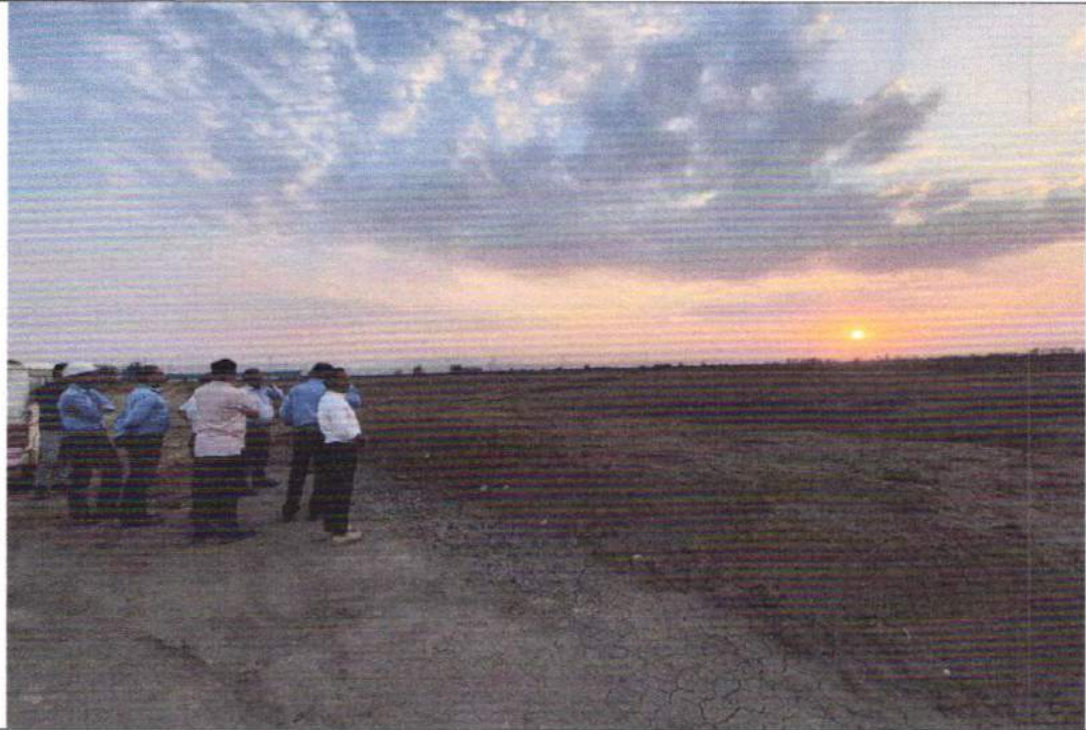
NGT joint committee verifying the HDPE liner system installed at the bottom of the ash pond



View of HDPE liner at the dyke of ash pond



Verifying the design details of ash pond



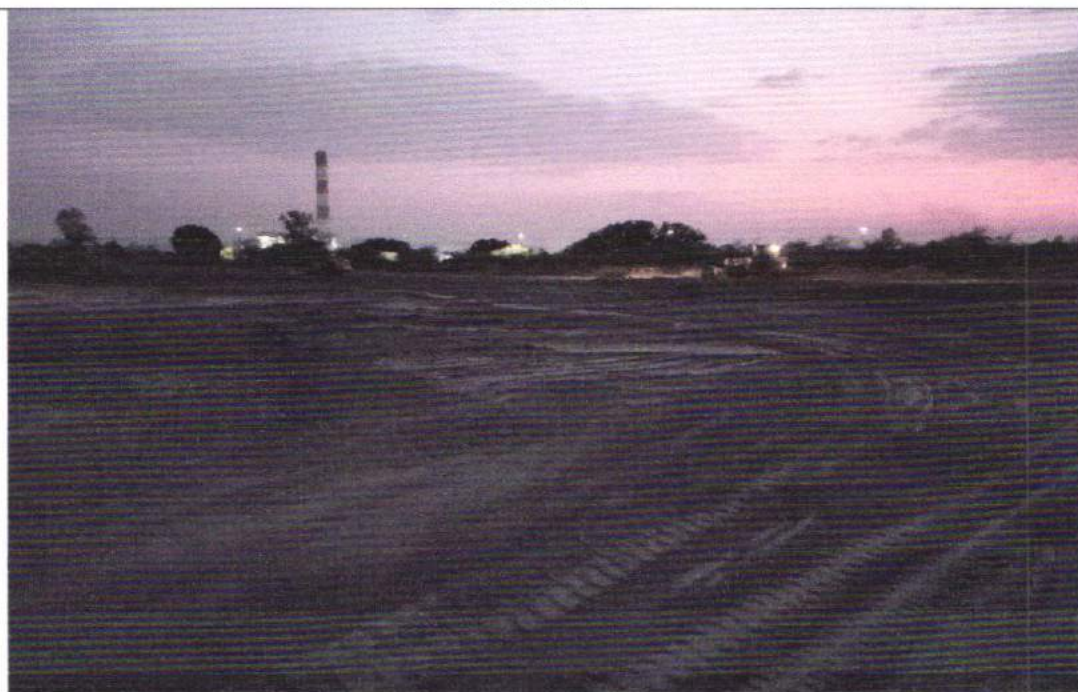
Verifying the ash pond closure and plantation



No wastewater discharged outside the plant. During visit the Plant and ash pond out let found dry



CPCB & MoEF team visiting at the ash disposal in low lying area active site-1



View of the active site of the ash disposal in low lying area-1 within plant boundary



Display board provided at the closed site of the ash disposed in low lying area site-2 (Sakra Village)



Boundaries marking store provided at the closed site of the ash disposed in low lying area site-2 (Sakra village)



Committee verifying the plantation done on the closed site of the ash disposed in low lying area site-2 (Sakra Village)



Display board provided at the closed site of the ash disposed in low lying area site-3 (Chheera Patpar Village)



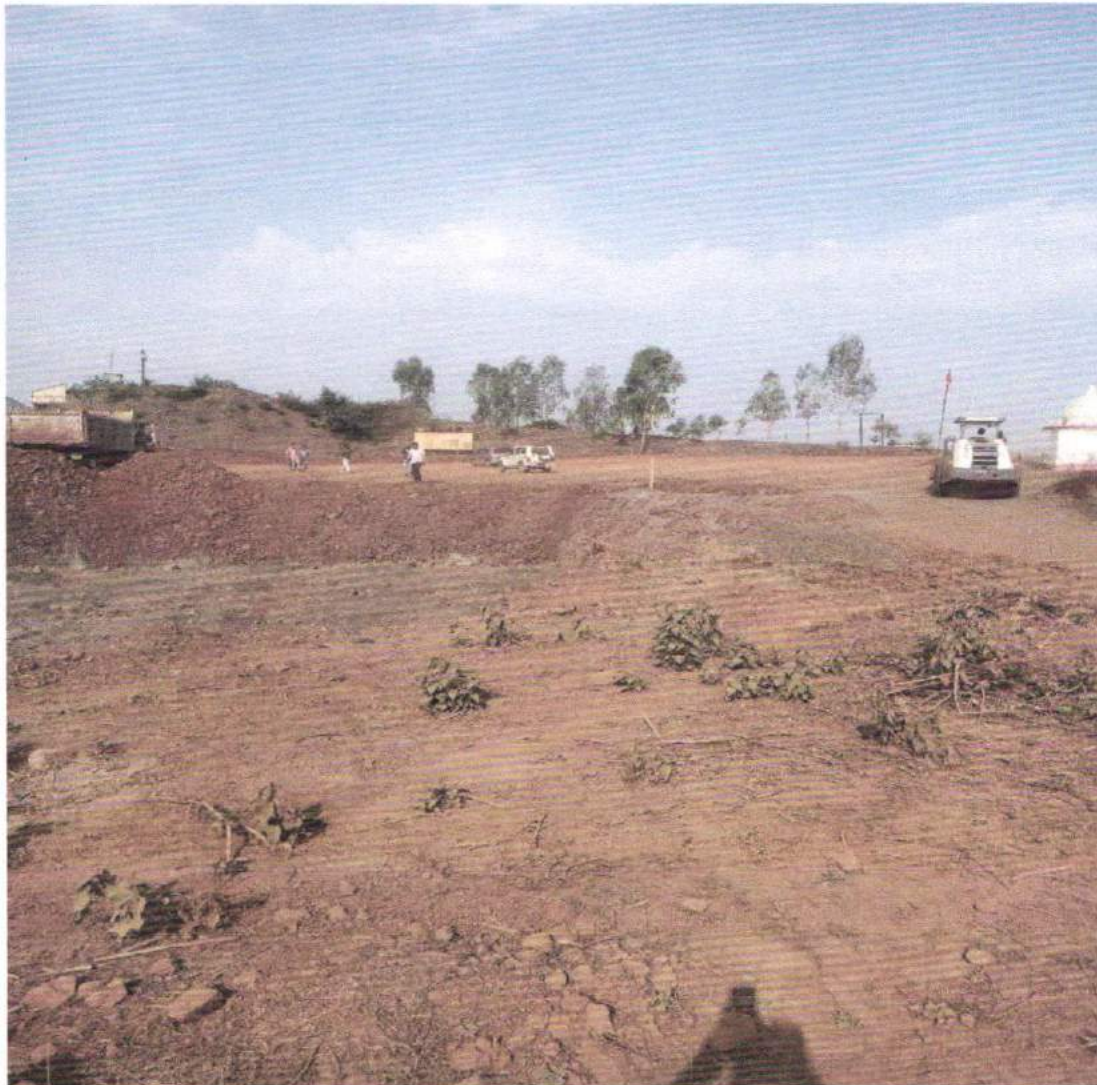
Committee verifying the plantation and top soil cover on the closed site of the ash disposed in low lying area site-3 (Chheera patpar)



Display board provided at the active site of the ash disposed in low lying area site-4 (Rajendragram)



Boundaries marking stone provided at the active site of the ash disposed in low lying area site-4 (Rajendragram)



View of the active site of the ash disposed in low lying area site-4



Verifying of the top soil cover and plantation of the closed site of the ash disposed in low lying area site-5 (Chhulaha village)



**View of the closed site of the ash disposed in low lying area site-5
(Chhulaha village)**

Photo of Laharpur village low-lying area

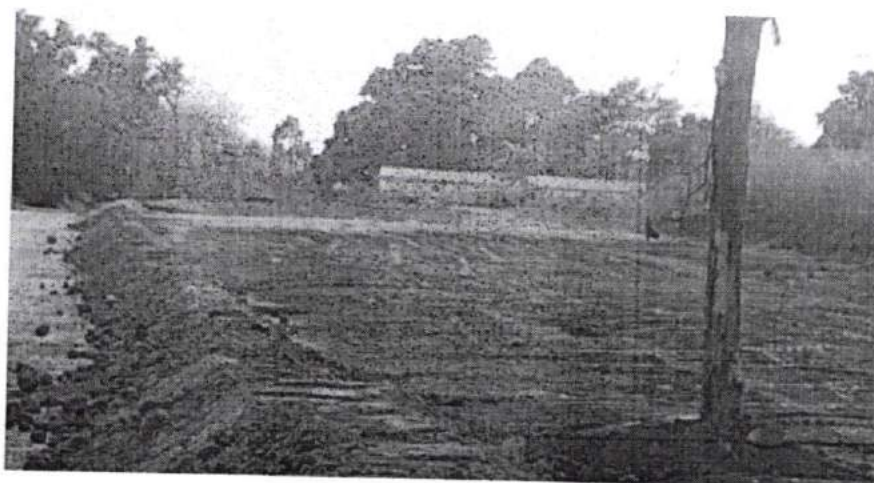
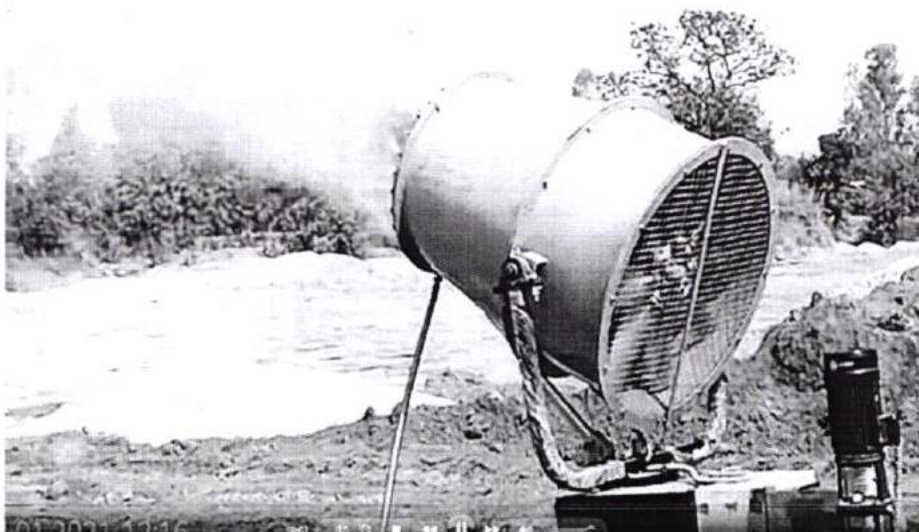


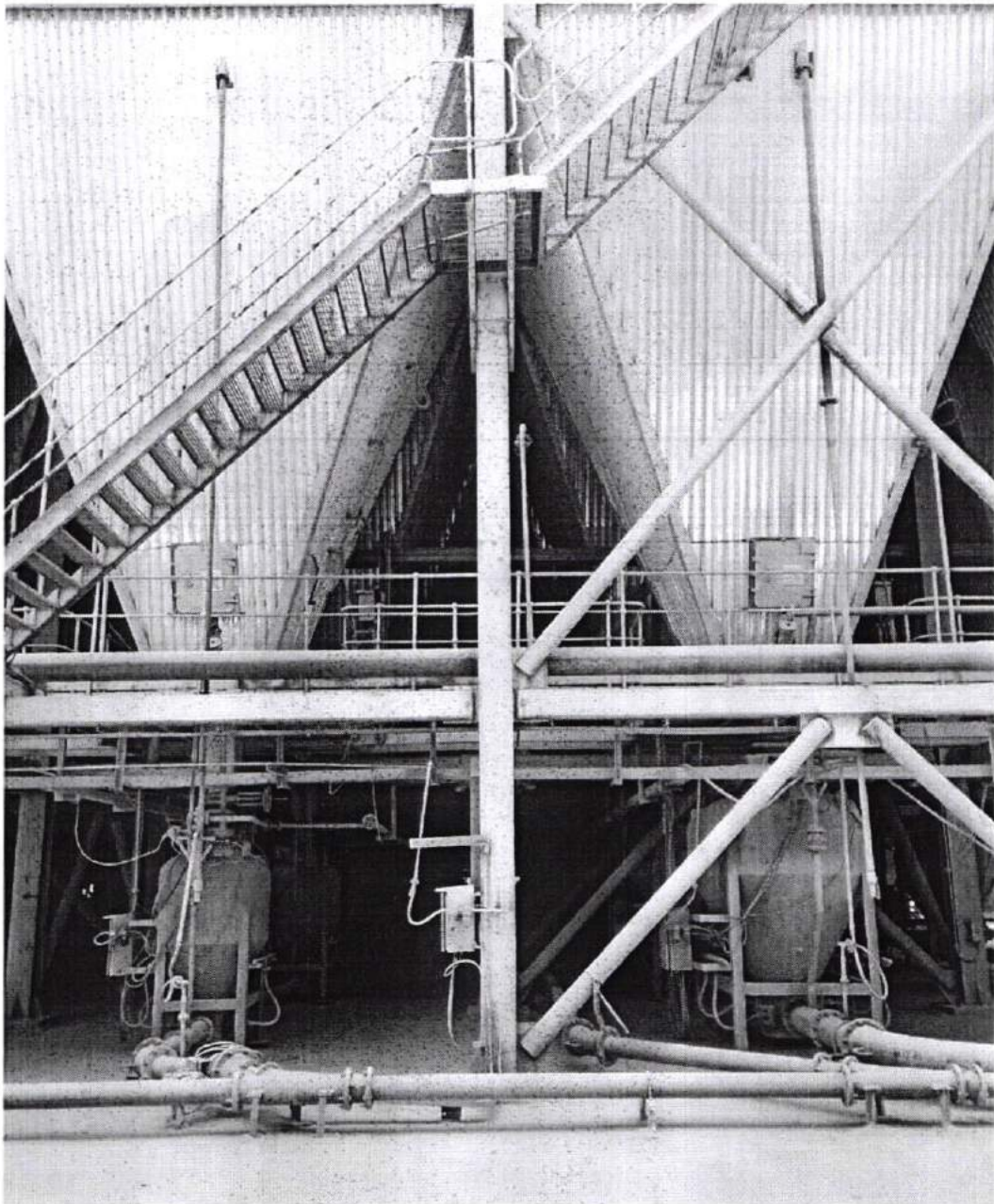
Photo of mist gun deployed at ash filling area.



Display Board Photo of Ash Filling in side plant



Pneumatic conveying system at ESP





Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

CONSENT NO: ***

PCB ID: 20102

Outward No: 115387 26/04/2022
NO: /MPPCB/SDL

Consent No: AWH-55779

To,
The Occupier,
M/s. M.B. Power(Madhya Pradesh) Ltd Jaithari Anuppur,
156,157, Jaithari,
City : Amgawan, Tal : Jaithari,
Dist : Anuppur, Latitude : 23.0690 Longitude : 81.7748

Subject: Grant of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Hazardous and other Waste (Management & Transboundary movement) Rules, 2016

Ref: Your Consent to Operate Application Receipt No. 1153498 Dt. 13/04/2022 and last communication received on Dt. 19.04.2022

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 30/04/2023 & authorisation up to 30/04/2027, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location:** 156,157, Jaithari, Amgawan, Jaithari, Anuppur
- The capital investment in lakhs:** Rs. 800000
- Product & Production Capacity:**

Product	Qty / year
GENERATION OF ELECTRICITY (Coal Based Thermal Power Plant)	1200.00 MW 1X600 = 600MW(Unit I) 1X600 = 600MW(Unit II)

Note:-

- For any change in above industry shall obtain fresh consent from the board.
- This renewal of consent to operate is being considered with condition that the TPP shall have to abide by the timelines for the achievement of new emission norms as per the MoEF&CC notification G.S.R. 243(E) dated 31-03-21 according to the categorization of the TPP to be done by the task force, as provided in the said notification.
- This consent under the Water & Air Act is granted to the project without prejudice to the criminal proceeding pending against the project in the Court of Law. This consent in no way is taken as measure of proof that project proponent has not violated any pollution control law at any time in the past. Hence whatsoever may be the decision of Hon'ble Court shall be binding on the project proponent and this Board.
- The industry shall installed Stationary water sprinklers at appropriate distance along major road used for moments of bulker and truck.
- The Industry shall comply with the submitted Time bound action plan for installation of rain gun/sprinklers along movement road.

The Validity of the consent is up to 30/04/2023 and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required

Digitally Signed by: A. A. Mishra, Member Secretary
Date: 26/04/2022 01:41:47 PM
(Organic Authentication on AADHAR from UIDAI Server)
TPAV# A9246G60IG
General conditions

ACHYUT ANAND MISHRA
Member Secretary



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent at out fall of the unit shall not exceed 3078.000 KL/day, and the daily quantity of sewage at out fall of the unit shall not exceed 100.000 KL/day

2. Trade Effluent Treatment:-

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₅ Days 27 ° C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.

TDS	Not exceed	2100 mg/l.
Chlorides	Not exceed	1000 mg/l.

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

Parameter	Standard limit*
pH	Between 5.5 – 9.0
Suspended Solids	Not exceed 100 mg/l.
BOD ₅ Days 27 ° C	Not exceed 30 mg/l.
COD	Not exceed 250 mg/l.
Oil and grease	Not exceed 10 mg/l.
Fecal Coliform	Not exceed 1000 (MPN/100 ml)

*The operator of the STP shall comply with the standards notified vide G.S.R. 1265(E) under sections 6 and 25 of the Environment (Protection) Act, 1986 by the Ministry of Environment, Forest and Climate Change New Delhi dated 13th October, 2017.

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 51358.000	WWG : 3178.000	Water Source	Remark
1	Boiler Feed	1200.000	150.000	River	
2	Cooling Water	40000.000	0.000	River	
3	Domestic Purpose	150.000	100.000	River	
4	Domestic Purpose	300.000	0.000	Borewell	The Project Proponent shall maintain valid permission from competent authority for withdrawal of ground water
5	Others	10008.000	2928.000	River	

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

Consent No: AWH-55779

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Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
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9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

10. Compilation of Monitoring data-

- i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.
- iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

11. Recording of Monitoring Activities & Results-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

12. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

14. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

15. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water. Any live fish, Shell fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

16. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

17. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such

Consent No: 334/55779

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M.P. Pollution Control Board
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Paryavaran Parisar, Bhopal - 16 MP
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diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

1. All the recommendations made in the Charter on Corporate Responsibilities for Environment Protection(CREP) for thermal power sector shall be strictly implemented.
2. Industry shall comply with the parameters notified in the Environment (Protection) Rules, 1986 notified by G.S.R. 3305(E) 7/12/15 as amended, for Thermal Power Plants.
3. The effluent will be treated in ETP and be used in ash slurry preparation, dust suppression and plantation. The domestic effluent of plant and colony will be treated through sewage treatment plant and will be used within factory premises. Zero discharge condition shall be maintained.
4. Industry shall provide adequate facility for the treatment of industrial (including the bleed from boiler house) and domestic waste water to ensure that the treated effluent quality meets the standards prescribed by M. P. Pollution Control Board published in notification of Govt. of M. P. Gazette dated: 25/03/88 as amended upto date.
5. Industry shall maintain closed cycle system with cooling tower. Once through cooling if any shall not be used. All the cooling tower blow down shall be reused in fire fighting, service water, coal handling plant and ash handling after proper treatment.
6. The industry shall operate & maintain Ash Water Recirculation System (AWRS) to ensure 100% recirculation of overflow of the ash dyke. Industry shall make arrangement for transportation of fly ash to ash pond in the form of medium slurry mode system having 38% ash and 62% water as per MoEF directives.
7. Water table depletion study in and around the project area shall be carried out by the project. All possible efforts including rain water harvesting to recharge ground water shall be taken up for the ground water enrichment in consultation with the Central Ground Water Authority.
8. Fly ash shall be collected in dry form and shall explore the possibility that storage facility (silo) of fly ash should be at least for one day. Un-utilized fly ash shall be disposed off in the ash pond in the form of high concentration slurry disposal. Industry shall also monitor mercury and other heavy metals (As, Hg, Cr, Pb etc.) in the bottom ash as also in the effluents from the ash pond. For disposal of ash in low lying area/mine for void filling prior permission from the Board be obtained, and conditions stipulated therein shall be followed.
9. As per the MoEF & CC notification dated 2015, the unit shall have to convert the Once Through Cooling (OTC) if any, to Cooling Tower (CT) by 6th of December 2017, and shall have to achieve specific water consumption upto maximum of 3.5 m³/MWh.
10. Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Ash pond water shall be re-circulated and utilized in the process or other beneficial purposes in the plant.
11. Industry shall regenerate the village ponds/surface water bodies located within 5 km radius of the project site as a part of its social welfare activities.

CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height (meters)	Fuel	Control equipment to be installed	P.M, SO _x , NO _x , Hg (mg/Nm ³)
Boiler	2060 ton/hr./boiler	275	COAL	4 Stage Cyclone Separator, acoustic enclosure, Air Preheater, Bag Filter, Dust Collector, Dust Suppressor, E.S.P, Green Belt, Heater/Furnace-Low Sulphur Fuel, Hood Cover, Low Nox Burner ,	50,600,450, 0.03(to be achieved as per the notification G.S.R. 243(E) dated 31-03-2021)
D.G. Sets	1500 x 3 KVA	30	DIESEL	acoustic enclosure, Green Belt, Natural Draft,	As per CPCB/MoEF guidelines.

Consent No: AWH-55779

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Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
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2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - $100 \mu\text{g}/\text{m}^3$ (PM10 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - $60 \mu\text{g}/\text{m}^3$ (PM2.5 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Sulphur Dioxide [SO_2] (24 hrs. Basis) - $80 \mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - $80 \mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - $2000 \mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below..

(Minimum number of plants to be planted by the unit:-148785)

Additional Air condition:-

- The TPP shall have to abide by the timelines for the achievement of new emission norms as per the MoEF&CC notification G.S.R. 243(E) dated 31-03-21 according to the categorization of the TPP to be done by the task force, as provided in the said notification.
- Industry shall regularly operate CAAQMS stations at suitable locations to monitor ambient air quality and stack emission. The management shall provide and ensure uninterrupted connectivity of CAAQMS with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose. Similarly CEMS shall be provided to monitor the emissions at each stack and CEQMS shall be provided for the monitoring of treated effluent quality and uninterrupted connectivity with Environment Surveillance Centre at the HQ of M.P. shall be provided.
- Industry shall have to provide & operate adequate pollution control arrangement at all points and non point sources. Suitable air pollution control equipments shall be installed for the control of fugitive emission during the handling/transportation of raw material and fly ash etc. Industry should improve house keeping near fly ash loading system/silo.
- In case of coal being imported, or as per the statutory applicable norms being in force, the industry shall install sulphur recovery system for control of sulphur dioxide emission.
- Industry shall install adequate dust extraction and dust suppression system to control fugitive emissions from the crushing house, dumper, conveyor belt, moving vehicles, pneumatic compressors, raw material handling and other vulnerable dusty areas.
- Coal transportation to the plant site shall be undertaken by rail and no road transportation shall be undertaken as far as possible. The entire internal roads should be made pucca and good housekeeping practices shall be adopted.
- Dry fly ash collection system shall be installed for regular disposal of generated fly ash in dry form. Fly ash and bottom ash generated during the process shall be utilized as per the provisions of Fly Ash Notification for beneficial uses such as brick making, road construction, cement making etc.
- The Industry shall regularly operate Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-TiltZoom(PTZ) feature, minimum focal length 5X with night vision facility and temper proof mechanism at suitable location to display all emission sources / stacks, coal yards coal conveyors / crushers and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal, and ensure its uninterrupted connectivity for remote Surveillance.
- Regular monitoring of ground level concentration of SO_2 , NO_x , $\text{PM}_{2.5}$ and PM_{10} and Hg shall be carried out in the impact zone and records shall be maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be taken immediately.
- Industry should make appropriate arrangement for protection of the green belt. Massive plantation shall be under taken under the guidance of forest Department/Horticulture expert. Local Species shall be planted all around the periphery of the industry as well as

Consent No: A3115579



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

the ash dyke.

11. The entire internal roads should be made pucca and good housekeeping practices shall be adopted.
12. Industry management shall regulate the generation of electricity according to its fly ash handling and availability of ash disposal capacity/holding capacity to ensure compliance of the MoEF&CC notification dated 31/12/2021.
13. Following improvements shall be comply the recommendations of Regional Officer, Shahdol:
 - Installation & Maintenances of stationery water sprinkler in Ash Pond area
 - Installation & Maintenance of fogger system in Silo Area.
 - Improvement & Maintenances on-site temporary Hazardous waste storage site as per CPCB guidelines
 - Improvement & Maintenances of drainage of silo area
 - Industry shall incorporate more pressurized mist gun in coal track line and one more mist gun in fly ash silo area for further improvement in exiting fugitive dust control system.
 - Industry shall be done extensive plantation at remaining one side of external road from silo gate to erector hostel as well as around fly ash silo area and coal track line.

CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

FORM-2

[See rule 6 (2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. Number of authorisation and date of issue : ,
2. Reference of application (No. and date) : COW-1153498, dt: 13/04/2022
3. COW-1153498, dt: 13/04/2022 of M.B. Power(Madhya Pradesh) Ltd Jaithari Anuppur is hereby granted an authorisation based on the enclosed signed inspection report (can be seen in xgn) for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at 156,157, Jaithari, Amgawan, Jaithari, Anuppur,

Details of Authorisation

Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity (ton/annum)
Used or Spent Oil(5.1)	Through authorised recycler/CTSDf	600.000-M.T
Empty barrels/containers/liners contaminated with hazardous chemicals /wastes(33.1)	Through authorised recycler/CTSDf	20.000-M.T
Chemical sludge from waste water treatment(35.3)	Coprocessing, CTSDf, Preprocessing	25.000-M.T
Contaminated cotton rags or other cleaning materials(33.2)	Coprocessing, CTSDf, Preprocessing	2.000-M.T
Wastes or residues containing oil(5.2)	Coprocessing, CTSDf, Preprocessing	100.000-M.T
Spent ion exchange resin containing toxic metals(35.2)	Coprocessing, CTSDf, Preprocessing, incineration in boiler	3.600-M.T

- (1) The authorisation shall be valid for a period of 01/05/2022~30/04/2027
- (2) 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):

A. General conditions of authorisation:

1. 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 Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. 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.

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M.P. Pollution Control Board
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Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

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
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. 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.
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.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. 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.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

B. Specific conditions:

1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

Additional Haz condition:-

1. The industry shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annually.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.

Consent No: AW-11-55779

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Paryavaran Parisar, Bhopal - 16 MP
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7. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13(i) of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.

8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.

Additional Packing, Labeling & Transportation of Hazardous wastes:-

1. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5), 20(2) to this office on or before 30th June every year and preferably before 30th April.
2. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
3. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.11 as per Rule-22 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.
4. The occupier shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board in October 2004 & updated from time to time.
5. In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.

GENERAL CONDITIONS:

1. The non hazardous solid waste arising in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bags etc	lumpsum	Sale to authorized party/As Per CPCB MoEF Guidelines
Mill reject	15.00 MT per month	As Per MoEF&CC/ CPCB Norms
Flyash and bottom ash generation max per month	148000 MT per month	

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization

Consent No: AWH-55779

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Page: 8 /

10



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 466 016 MP
Tele : 0755-2466191, Fax-0755-2463742

under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.
8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation
9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :
 - (a) Violation of any terms and conditions of this Consent.
 - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
 - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

Additional condition:-

1. This renewal of consent to operate is being considered with condition that the TPP shall have to abide by the timelines for the achievement of new emission norms as per the MoEF&CC notification G.S.R. 243(E) dated 31-03-21 according to the categorization of the TPP to be done by the task force, as provided in the said notification.
2. This consent under the Water & Air Act is granted to the project without prejudice to the criminal proceeding pending against the project in the Court of Law. This consent in no way is taken as measure of proof that project proponent has not violated any pollution control law at any time in the past. Hence whatsoever may the decision of Hon'ble Court shall be binding on the project proponent and this Board.
3. The industry shall installed Stationary water sprinklers at appropriate distance along major road used for movements of bulker and truck.
4. The Industry shall comply with the submitted Time bound action plan for installation of rain gun/sprinklers along movement road.
5. THE INDUSTRY MANAGEMENT SHALL ENSURE ALL THE COMPLIANCES REGARDING DISPOSAL AND UTILIZATION OF FLY ASH FROM ITS TPP AS STIPULATED IN MoEF&CC NOTIFICATIONS NO. S.O. 763(E) DATED 14/9/99 AND ITS AMENDMENTS VIDE NOTIFICATION NO. S.O. 979(E) DATED 27/8/03, S.O. 2804(E) DATED 03/03/09 AND S.O. 254(E) DATED 25/1/16 and updated MoEF&CC notification SO(E) 5481 dated 31/12/2021.
6. For ensuring free delivery of fly ash within the radius of 100 km and up to 300 km radius to the prospective users as per respective clauses 2(10) & 2(14) of the Fly ash Notification, the industry management shall procure / make provision of the Bulkers / closed transport vehicles under its control to ensure fast and quick delivery of fly ash.
7. The Industry management shall keep / maintain and update the record of all the prospective users of fly ash within the radius of 100 km, keep constant liaison with them, provide fly ash to them in a timely manner and will submit 3 monthly compliance report to the Board.
8. A Industry shall ensure 100% utilization of fly ash in compliance of fly ash notification as amended up to date. Other alternatives like setting up of clinker grinding unit, encouragement of ancillary units for ensuring use of fly ash for other building products. Dry fly ash collection system shall be installed for regular disposal of generated fly ash in dry form. The filling of low lying area inside the premises shall be undertaken strictly in accordance with the prior permission granted by the MPPCB.
9. The TPP management shall adhere to the office memorandum (OM) of MoEF&CC dated 28-08-19 and the conditions stipulated therein pertaining to the use of fly ash as mentioned in the para 7 of the OM. TPP shall have to follow the same and the guidelines of the CPCB entitled "Guidelines for disposal/utilization of Fly ash for reclamation of Low Lying Areas and in stowing of abandoned mines /Quarries" for the disposal of fly ash.
10. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required

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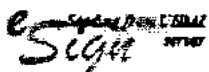


Consent Order

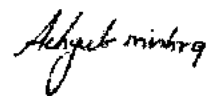
M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 and the Authorization under Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
M.P. Pollution Control Board


Digitally signed by Aachyut Anand Mishra

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # A9246G6QIG



ACHYUT ANAND MISHRA
Member Secretary

Consent No: AWH-55779

This Certificate generated from xgn.mp.nic.in are valid and does not require physical signatures, the certificate can be validated online from xgn.mp.nic.in using "TPAV" Number.



मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड

पर्यावरण परिसर, ई-5, अरेरा कालोनी, भोपाल-462016

(0755) 2464428, 2466191 Fax: 0755 - 2463742 e-mail: lt.mppcb@rediffmail.com

कमांक / 957 / तक-सीई-2 / प्रमिषो / 2020
प्रति,

भोपाल, दिनांक 30-05-2020

✓ अधिष्ठाता,
मेसर्स एम.बी. पॉवर (म.प्र.) लिमिटेड,
ग्राम-लहारपुर, तहसील-जैतहरी,
जिला- अनूपपुर 484330 (म.प्र.)

विषय :- उद्योग परिसर में निर्मित लो-लाईग एरिया में पॉन्ड ऐश भरने की अनुमति प्रदान करने बाबत।

संदर्भ :- आपका पत्र कमांक MBPMPL/MPPCB/2019-20/708 दिनांक 14/03/2020

उपरोक्त विषयान्तर्गत आपके संदर्भित पत्र के माध्यम से ग्राम-गुवांरी, तहसील-सोहागपुर, जिला-अनूपपुर में स्थित उद्योग परिसर में निर्मित लो-लाईग एरिया में पॉन्ड ऐश को भरने की अनुमति चाही गई है।

उपरोक्तानुसार विचारोपरान्त मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड द्वारा फलाई ऐश अधिसूचना तथा केन्द्रीय प्रदूषण नियंत्रण बोर्ड, नई दिल्ली द्वारा मार्च 2019 को जारी दिशानिर्देशिका के प्रावधानों के अनुरूप उद्योग को चयनित किए गए निम्न स्थलों में फलाई ऐश भरने की अनुमति दी जाती है:-

स्थल	खसरा कमांक	कुल क्षेत्रफल
✓ मेसर्स एम.बी. पॉवर (म.प्र.) लिमिटेड, ग्राम-लहारपुर, तहसील-जैतहरी, जिला- अनूपपुर (म.प्र.) (अक्षांतर-देशांतर) 23°4'29.835" 81°48'8.115"	381/1, 381/2, 382, 383, 384, 385/1, 385/2, 386/1, 386/2, 387, 388, 389/1, 389/2, 390, 391/1, 391/2, 391/3, 392/1, 392/2, 392/2ख, 392/3, 392/4, 392/5, 392/6, 393, 394, 395, 396, 397, 397/1, 397/2, 399/1, 399/2, 399/3/1, 399/3/ख	24.669 हेक्टेयर

फलाई ऐश भरण की अनुमति की निम्न शर्तों होंगी, जो उद्योग को जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 तथा वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 के प्रावधानों में जारी सम्मति की विशेष शर्तों के रूप में समाविष्ट किया जाता है तथा शर्तों के अनुपालन का उल्लंघन पाये जाने पर बोर्ड जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 एवं वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 के सुसंगत प्रावधानों के अंतर्गत



मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड

पर्यावरण परिसर, ई-5, अरेरा कालोनी, भोपाल-462016

☎ (0755) 2464428, 2466191 Fax: 0755 - 2463742 e-mail: it.mppcb@rediffmail.com

कार्यवाही करने हेतु तथा आवश्यकता अनुसार अन्य शर्तों को जोड़ने, हटाने अथवा फलाई एश भरण हेतु दी गई अनुमति को निरस्त करने/वापस लेने हेतु स्वतंत्र होगा :-

- (1) लो-लाईंग क्षेत्रों में फलाई एश भरने के लिए केंद्रीय प्रदूषण नियंत्रण बोर्ड द्वारा प्रकाशित "Guideline to disposal/utilization of fly ash for reclamation of low lying areas and in stowing of abandoned mines/ quarries- मार्च 2019" में वर्णित प्रावधानों का प्रक्रिया का पालन सुनिश्चित करना होगा।
- (2) लो-लाईंग एरिया को भलीभांति चिह्नित करने हेतु मुनारे/मार्किंग्स स्थापित करने होंगे तथा इस क्षेत्र की भूसतह को 15 से.मी. गहराई तक स्क्रैप (Scrap) कर सभी जैवविघटनीय तत्वों यथा घासफूस, पौधे, जड़ें यदि कोई हों तो आदि को हटाया जाना होगा। भरण क्षेत्र को अन्य क्षेत्रों से पृथक् रखने हेतु आवश्यकतानुसार रिटेनिंग वॉल का निर्माण किया जाना होगा।
- (3) फलाई एश भरण पूर्व भू-सतह में विद्यमान केक्स (Cracks), छिद्रों (Hole), फॉल्ट्स (Faults) को फलाई एश से भरकर (Plug) वायब्रेट्री रोलर से भारतीय मानक 2720 (भाग vii) अनुसार 95% ड्रायडेनसिटी तक काम्पैक्ट व समतल किया जाना होगा।
- (4) उपरोक्तानुसार तैयारी पूर्ण कर भराव स्थल तक पॉण्ड एश का परिवहन 15% नमी के साथ तथा तारपोलिन कवर्ड वाहन में किया जाना होगा। भराव स्थल पर भी सदा फलाई एश में आवश्यक नमी सुनिश्चित करनी होगी एवं यह भी सुनिश्चित करना होगा कि फलाई एश हवा के साथ यत्र-तत्र ना फैले। परिवहन मार्गों का आवश्यकतानुसार रखरखाव किया जाना होगा ताकि आवागमन के दौरान धूल का प्रसार न हो।
- (5) भरण स्थल में फलाई एश का भरण 25-30 से.मी. की काम्पैक्टेड परतों (Layers) में की जाना होगी। एक समय में किसी भी परत की लम्बाई 150 मीटर से अधिक नहीं होगी तथा दो परतों में कम से कम 60 से.मी. का ओवरलैप रखना होगा तथा आगामी परत के निर्माण हेतु दो परतों में निर्धारित Overlap रखना होगा।
- (6) प्रत्येक परत को 6-10 टन के वायब्रेट्री रोलर से ऑप्टीमम नमी (लगभग 38-40%) सुनिश्चित करते हुए 95% ड्रायडेनसिटी तक भारतीय मानक 2720 (भाग vii) अनुसार काम्पैक्शन (compaction) करना होगा तथा इसका रिकार्ड संधारित करना होगा।
- (7) फलाई एश लोडिंग परिवहन मार्गों तथा भराव स्थल पर अनलोडिंग व परत बिछाने के दौरान पर्याप्त स्प्रींकलर्स, की स्थापना करनी होगी ताकि धूल का प्रसार न हो।
- (8) फलाई एश भराव क्षेत्र में यह सुनिश्चित किया जाना होगा कि परिवेशीय वायु गुणवत्ता निर्धारित मानकों के अनुरूप रहे तथा आसपास के ग्रामीण क्षेत्रों, खेतों आदि में धूल उड़ने की समस्या ना व्याप्त हो।



मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड

पर्यावरण परिसर, ई-5, अरेरा कालोनी, भीपाळ-482016

☎ (0785) 2464428, 2466191 ☎ Fax: 0785 - 2463742 ✉ Email: It.mppcb@rediffmail.com

- (9) भराव स्थल उपरोक्तानुसार फलाई एश भरण के पश्चात, इसकी सतह पर 0.5 मीटर मृदा की परत बिछाकर भरण क्षेत्र का क्लोजर (Closure) सुनिश्चित करना होगा तथा उस पर 02 माह की समय-सीमा में सघन वृक्षापेक्षण हरित पट्टी विकसित करनी होगी।
- (10) प्रारंभ से अंत तक किए जा रहे समस्त कार्यों का छायाचित्रण (Photo graphy) तथा विडियो ग्राफी की जाना होगी तथा समय-समय पर बोर्ड मुख्यालय एवं क्षेत्रीय कार्यालय में उपलब्ध कराना होगा।
- (11) स्थल पर पानी के साथ स्लरी बनाकर एश पंप कराने/ सरने पर यह अनुमति स्वतः निरस्त मानी जावेगी।

कृपया इस अनुमति को सम्मति पत्रों से संलग्न कर रखें तथा पत्र जारी होने के 15 दिवस के भीतर इस अनुमति पत्र को अनिवार्यतः अपने एक्स जी एन (XGN) आई डी द्वारा "Previous consent order" पर अपलोड करें।

(आर.एस.कोरी)

सदस्य सचिव

पृ० कमांक/ — /तक-सीई-2/प्रनिबो/2020
प्रतिलिपि:-

मोबात, दिनांक —

क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, म.प्र.प्रदूषण नियंत्रण बोर्ड, राहडोल की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अंग्रेजित कर लेख है कि फलाई एश के भरण की निगरानी सुनिश्चित करें तथा समय-समय पर उद्योग द्वारा की जा रही कार्यवाही से अवगत करावे।

(आर.एस.कोरी)

सदस्य सचिव



मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड

Annexure - IV

प्रदूषण प्रविष्टि, ई-5, अरेश कॉलोनी, भोपाल-462018

T: 0755-2466735 (D), फ़ैक्स: 0755-2463742, मो.बी.एनस: 0755-2817600, 2468191

E-mail: li_mppcb@rediffmail.com वेब: www.mppcb.mp.gov.in

क्रमांक 1541/तक-सीई-4/प्रनिबो/2020.
प्रति

भोपाल, दिनांक 02/09/2020

अधिष्ठाता,
मेसर्स एम.बी.पॉवर (म.प्र.) लिमिटेड,
ग्राम-लहारपुर, तहसील-जैतहरी,
जिला- अनूपपुर -484330.(म.प्र.)

विषय :- अनूपपुर जिले के ग्राम-गुवारी में भूमि भराने हेतु फलाई ऐश भरने की अनुमति प्रदान करने बाबत ।

- संदर्भ :-
1. आपका पत्र क्र. MBPMPL/APR/ENV/560 दिनांक 18/05/2020
 2. आपका पत्र क्र. MBPMPL/APR/ENV/2020-21/683 दिनांक 18/05/2020
 3. आपका पत्र क्र. MBPMPL/APR/ENV/2020-21/ दिनांक 14/07/2020

उपरोक्त विषयांतर्गत आपके संदर्भित पत्र के माध्यम से ग्राम-छीरपटपर, जिला-अनूपपुर एवं ग्राम-गुवारी जिला-अनूपपुर में स्थित भूमि में फलाई ऐश को भरने की अनुमति वाही गई है ।

उपरोक्तानुसार विचारोपरांत मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड द्वारा फलाई ऐश अधिसूचना तथा केन्द्रीय प्रदूषण नियंत्रण बोर्ड, नई दिल्ली द्वारा मार्च 2019 को जारी दिशानिर्देशिका के प्रावधानों के अनुरूप उद्योग को घयनित किए गए निम्न स्थलों में फलाई ऐश भरने की अनुमति दी जाती है -

क्रमांक	फलाई ऐश भराने स्थल	खसरा क्र.	क्षेत्रफल	अक्षांतर/देशांतर	न्युनतम एवं अधिकतम आर एल जहाँ तक राख भरी जा सकती है
01.	ग्राम-छीरपटपर, पटवारी हल्का सकरा, जिला-अनूपपुर	2/3; 2/4, 2/11	5.017 हेक्टेयर	23°03'30" N 81°37'17" E से	534 मी. से 538 मी. तक
02	ग्राम-छीरपटपर, पटवारी हल्का सकरा, जिला-अनूपपुर	2/5	2.023 हेक्टेयर	23°03'40" N 81°37'14" E	
03	सुखशम पिता मधुरिया नायक पटवारी हल्का सकरा, जिला-अनूपपुर	219/7/1	0.0101 हेक्टेयर	23°04'36" N 81°37'28" E	524 मी. से 526 मी. तक



मह्यप्रदेश प्रदूषण नियंत्रण बोर्ड

पर्यावरण विभाग, ई-३, लॉकर बिल्डिंग, लोहा-बहाल

21 0794-2468732 (7), फ़ैक्स: 0794-2468732, ई-मेल: 0794-2468732, 2468732

ई-वेब: 1. M. पर्यावरण विभाग, लोहा-बहाल 2. M. पर्यावरण विभाग, लोहा-बहाल

04	संतोष पिता सुखराम गोंड पटवारी हल्का सकरा, जिला-अनूपपुर	373/1/8	0.8000 हेक्टेयर	22°07'18" N 81°37'24" E	527 मी. से 532 मी. तक
05	पाषाण पिता सुखदेव गोंड पटवारी हल्का सकरा, जिला-अनूपपुर	375/4/1	1.310 हेक्टेयर		
06	भारती सिंह पिता देवी सिंह, गिरिजा सिंह पिता देवी सिंह, सुदीपाई पत्नी देवी सिंह, सिव सागर दुर्गा, माया खुशबू पुत्री मजन सिंह पटवारी हल्का सकरा, जिला-अनूपपुर	375/1/8	2.0230 हेक्टेयर	22°03'55" N 81°37'22" E से 22°04'00" N 81°37'27" E	527 मी. से 532 मी. तक
07	शासकीय भूमि पटवारी हल्का सकरा, जिला-अनूपपुर	375/1/क	3.767 हेक्टेयर	22°03'55" N 81°37'22" E से 22°04'00" N 81°37'27" E	527 मी. से 532 मी. तक

फ़लाई एश भरण की अनुमति की निम्न शर्तें होंगी, जो उद्योग को जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 तथा वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 के प्रावधानों में जारी सम्मति क्र. AW-51596 जावक क्रमांक 100330 दिनांक 01.06.20 वैद्यता दिनांक 30.04.2021 की विशेष शर्तों के रूप में समाविष्ट की जाती है :-

(1) चिन्हित भूमि में फ़लाई एश भरने के लिए केन्द्रीय प्रदूषण नियंत्रण बोर्ड द्वारा प्रकाशित "Guideline to disposal/utilization of fly ash for reclamation of low lying areas and in stowing of abandoned mines/quarries- मार्च 2019", में वर्णित प्रावधानों का प्रक्रिया का पालन सुनिश्चित करना होगा ।

(2) भूमि को भलीभांति चिन्हित करने हेतु मुनाफ़े/मार्किंग्स स्थापित करने होंगे तथा इस क्षेत्र की भूसतह को 15 से.मी. गहराई तक स्क्रैप (Scrap) कर सभी जैवविविधताय तत्वों यथा घासफूस, पौधे, जड़ें यदि कोई हों तो आदि को हटाया जाना होगा । भरण



महानगर प्रदूषण नियंत्रण अधिनियम

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क्षेत्र को अन्य क्षेत्रों से पृथक् रखने हेतु आवश्यकताानुसार सिटिंग डॉल का निर्माण किया जाना होगा।

(3) प्लाई एश भरण पूर्व भू-सतह में विद्यमान दर्रें (Cracks), छिद्रों (Hole), पॉल्स (Pools) को प्लाई एश से भरकर (Plug) वायुमैटी रोलर से भारतीय मानक 2720 (भाग-VII) अनुसार 95% ड्रायडेनसिटी तक काम्पैक्ट व समतल किया जाना होगा।

(4) उपरोक्तानुसार तैयारी पूर्ण कर भराव स्थल तक पीपल एश का परिवहन 15% नमी के साथ तथा तारपोलिन कवर्च वाहन में किया जाना होगा। भराव स्थल पर भी जहां प्लाई एश में आवश्यक नमी सुनिश्चित करनी होगी एवं यह भी सुनिश्चित करना होगा कि प्लाई एश हवा के साथ धूल-तल ना फैले।

(5) भरण स्थल में प्लाई एश का भरण 25-30 से.मी. की काम्पैक्ट परतों (Layers) में किया जाना होगा। एक समय में किसी भी परत की लम्बाई 150 मीटर से अधिक नहीं होगी तथा दो परतों में कम से कम 80 से.मी. का ओवरलैप रखना होगा तथा आगामी परत के निर्माण हेतु दो परतों में निर्धारित Overlap रखना होगा।

(6) प्रत्येक परत को 6-10 टन के वायुमैटी रोलर से ऑप्टीमम नमी लगभग (38-40%) सुनिश्चित करते हुए 95% ड्रायडेनसिटी तक भारतीय मानक 2720 (भाग-VII) अनुसार काम्पैक्शन (Compaction) करना होगा तथा इसका रिकार्ड संधारित करना होगा।

(7) प्लाई एश लोडिंग तथा भराव स्थल पर अनलोडिंग व परत बिछाने के दौरान पर्याप्त स्प्रिंकलर्स की स्थापना करनी होगी ताकि धूल का प्रसार न हो।

(8) प्लाई एश भराव क्षेत्र में यह सुनिश्चित किया जाना होगा कि परिवेशीय वायु गुणवत्ता निर्धारित मानकों के अनुरूप रहे तथा आसपास के ग्रामीण क्षेत्रों, खेतों आदि में धूल उड़ने की समस्या व्याप्त ना हो।

(9) भराव स्थल उपरोक्तानुसार प्लाई एश भरण के पश्चात्, इसकी सतह पर 0.5 मीटर मृदा की परत बिछाकर भरण क्षेत्र का क्लोजर (Closure) सुनिश्चित करना होगा तथा उस पर 02 माह की समय-सीमा में सघन वृक्षारोपण हरित पट्टी विकसित करनी होगी।

(10) प्रारंभ से अंत तक किए जा रहे समस्त कार्यों का छायाचित्रण (Photography) तथा वीडियोग्राफी की जाना होगी तथा समय-समय पर बोर्ड मुख्यालय एवं क्षेत्रीय कार्यालय में उपलब्ध कराना होगा।

(11) स्थल पर पानी के साथ स्लरी बनाकर एश पंप करने/भरने पर यह अनुमति स्वतः निरस्त मानी जावेगी।

(12) उपरोक्त शर्तों का अनुपालन का उल्लंघन पाये जाने पर बोर्ड जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 एवं वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 के सुसंगत प्रावधानों के अन्तर्गत कार्यवाही करने हेतु तथा आवश्यकता अनुसार अन्य शर्तों को जोड़ने, हटाने अथवा प्लाई एश भरण हेतु दी गई अनुमति को निरस्त करने/वापस लेने हेतु स्वतंत्र होगा।



मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड

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कृपया इस अनुमति को सम्मति पत्र क्र. AW-51588 से संलग्न कर लें तथा पत्र जारी होने के 15 दिनों के भीतर इस अनुमति पत्र को अनिवार्यतः अपने एजेंट जी एन (XGN) आई डी द्वारा "Previous consent order" पर अपलोड करें।

(ए.ए. मिश्रा)

सदस्य/सचिव

१. भोपाल, दिनांक

पृ.क्रमांक

प्रतिलिपि :-

/तक-सीई-4/प्रमिबो/2020

- 1) क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, म.प्र.प्रदूषण नियंत्रण बोर्ड, राहडोल की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित कर लेख है कि भूमि एश के भरण की निगरानी सुनिश्चित करें तथा समय-समय पर सर्वेक्षण द्वारा की जा रही कार्यवाही से अवगत करावें। - 15 दिनों में
- 2) भूमिस्वामी श्री महेंद्र कुमार पि. लक्ष्मी प्रसाद ब्राह्मण निवासी अनूपपुर, तहसील-अनूपपुर, जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 3) भूमिस्वामी श्रीमती ऊषा पति. प्रेम कुमार ब्राह्मण निवासी अनूपपुर, तहसील-अनूपपुर, जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 4) भूमिस्वामी श्री सुखराम पिता. मधुरिया नायक निवासी ग्राम-सकस, तहसील-अनूपपुर, जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 5) भूमिस्वामी श्री संतोष सिंह पिता. सुखसेन गौड़ निवासी ग्राम-सकस, तहसील-अनूपपुर, जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 6) भूमिस्वामी श्रीमती माधौ सिंह पिता. सुखदेव गौड़ निवासी ग्राम-सकस, तहसील-अनूपपुर, जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 7) भूमिस्वामी श्री भारत सिंह पिता. देवी सिंह, श्री गिरजा सिंह पिता देवी सिंह, श्रीमती सुन्दीबाई पति देवी सिंह, शिवा, सागर, दुर्गा, माया, सुखू पिता भजन सिंह गौड़ सभी नाबालिक जयिये- गिरजा सिंह पिता देवी सिंह (चाचा) सभी निवासी ग्राम-सकस, तहसील-अनूपपुर, जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 8) कार्यालय कलेक्टर, जिला-अनूपपुर (म.प्र.), की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

(ए.ए. मिश्रा)

सदस्य/सचिव

मध्यप्रदेश प्रयोजन विभाग बी३

संस्कृत संस्कृत, संस्कृत संस्कृत, संस्कृत संस्कृत

21 0755-2000730 (17), 0755-2000730, 0755-2000730, 0755-2000730, 0755-2000730

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2847 / 97 / 11100 / 2021

9-9-2021

CONCLUSIONS

विद्यार्थी एम.बी.बीएस (M.B.B.S.) विभागः

प्रमाण-सहायकपुर, साहसीन-नीमगढ़ी.

पिठा- अणुपपुर - 484000 (म.प्र.)

विषय :- अमृतपुर जिले के ग्राम-सकरा, राजीवग्राम एवं कुआला में विद्यत भूमि परामर्श हेतु भरणे की अनुमति प्रदान करने संबंधी ।

2. मापकन पत्र क HMA/MDL/ APR/ ENV/ 2021-22/ 26 दिनांक 27/04/2021

2. आपका पत्र क्र. MUMPL/ APR/ EN/ 2021-22/ 114 दिनांक 17/08/2021

अपरोक्ष विधायार्गत आपकी संदर्भित पत्र के माध्यम से शिक्षा-अनुसंधान के प्रश्न-समाधान, एकोनवत्सव एवं सन्मार्ग में स्थित भूमि में पलाई ऐसा को लेकर की अनुमति पायी गई है।

उत्प्रेषणानुसार विचारोपरांत सद्य प्रदेश प्रदूषण नियंत्रण बोर्ड द्वारा पलाई एरा जवियुक्त तथा केंद्रीय प्रदूषण नियंत्रण बोर्ड, नई दिल्ली द्वारा मार्च 2018 को जारी टिरा-मिट्टीशयन के प्रकाशन के अनुसार उद्योग को ध्वस्त किए गए निम्न स्थलों में पलाई एरा भरने की अनुमति दी जाती है :-

क्र.	पलाई ऐश भरण स्थल	खसरा क्र.	क्षेत्रफल (हेक्टर)	अक्षांश/ देशांतर	मूनांकन एवं अधिकतम उन्नयन जहाँ तक संभव हो जा सकती है
01X	शेरा, डीसा, बुधिया, नूनवाई पिता सोजी मायेक ग्राम-सकरा पटवारी हत्का सकरा, जिला-अनूपपुर	218/5/1/ख	0.0233	23°09'99.3" N 81°02'46.37" E	524 से 528.5 मीटर
02X	कैरन्ध कुमार सिंह माता सिरगंती गौड़ भूमि स्वामी तहसील एवं जिला-अनूपपुर	218/16 218/16	0.081 0.729	22°04'56.38" N 81°04'48.246" E	880 से 888.5 मीटर
03	इक्षणी सिंह पति सुदामा सिंह गौड़ ग्राम-बाघामाड़ (राजेन्द्रग्राम) तहसील एवं जिला-अनूपपुर	278/3 277/3	0.524 0.519	22°04'56.38" N 81°04'48.246" E	880 से 888.5 मीटर
04	सरपंच ग्राम पंचायत खुसाहा, म.प्र.शासन, ग्राम-खुसाहा (बमुरिहा तालाब के पास) तहसील एवं जिला-अनूपपुर	310, 311	1.845	23°50'00" N 81°45'11.38" E	493 से 495.5 मीटर

पलाई एरा भरण की अनुमति की निम्न शर्त होगी, जो उद्योग को जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 तथा वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 के प्रावधानों



मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड

पर्यावरण परिसर, ई-6, अरुण कालोनी, भोपाल-462018

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में जारी समिति क. AW-53503 जावक क्रमांक 112882 दिनांक 13/06/2021 केयूएल दिनांक 20.04.2022 की विशेष शर्तों के रूप में समाविष्ट की जाती है :-

- (1) चिन्हित भूमि में पलाई एश भरने के लिए केंद्रीय प्रदूषण नियंत्रण बोर्ड द्वारा प्रकल्पित "Guideline to disposal/utilization of fly ash for reclamation of low lying areas and in reclamation of abandoned mines/quarries- मार्च 2010" में वर्णित प्रावधानों का प्रक्रिया का पालन सुनिश्चित करना होगा।
- (2) भूमि को मत्सीमाति चिन्हित करने हेतु आवश्यकतानुसार भूमि/मार्किंग स्थापित करने होंगे तथा इस क्षेत्र की भूसतह को 15 से.मी. गड्ढाई तक स्केप (Scarp) कर सभी अवशिष्टताओं तथा घासपूस, पौधे, जहाँ यदि कोई हों तो आवि को हटाया जाना होगा। भरण क्षेत्र की अन्य क्षेत्रों की भूमि रखने हेतु आवश्यकतानुसार रिटेनिंग वॉल का निर्माण किया जाना होगा।
- (3) पलाई एश भरण पूर्व भू-सतह में विद्यमान कंकड़ (Gravel), चूना पत्थर (Lime stone), बाल्ट (Boulders) का पलाई एश से भरकर (Fillup) वायव्योटी रोड से भारतीय मानक 2320 (भाग-1A) अनुसार 90% ड्रायडेंसिटी तक कॉम्पैक्ट व समतल किया जाना होगा।
- (4) उपरोक्तानुसार तैयारी पूर्ण कर भराव स्थल तक पीपल एश का परिवहन 10% नमी के साथ तथा तारपोलिन कवर्ड वाहन में किया जाना होगा। भराव स्थल पर भी सदा पलाई एश में आर्बोरीट नही सुनिश्चित करनी होगी एवं यह भी सुनिश्चित करना होगा कि पलाई एश सड़ने के साथ पत्र-पत्र न फैले।
- (5) पलाई एश लोडिंग तथा भराव स्थल पर अनलॉडिंग व परत बिछाने के दौरान भर्षक चिह्निकर्ता की स्थापना करनी होगी ताकि धूल का प्रसार न हो।
- (6) पलाई एश भराव क्षेत्र में यह सुनिश्चित किया जाना होगा कि परिवेशीय वायु गुणवत्ता निर्धारित मानकों के अनुरूप रहे तथा आसपास के ग्रामीण क्षेत्रों, खेतों आदि में धूल उड़ने की संभावना घटा न हो।
- (7) भरण स्थल में पलाई एश को भरण 25-30 से.मी. की कॉम्पैक्टेड परतों (Layers) में किया जाना होगा। एक समय में किसी भी परत की लम्बाई 150 मीटर से अधिक नहीं होगी तथा दो परतों के कम से कम 60 से.मी. का ओवरलैप रखना होगा तथा आगामी परत के निर्माण हेतु दो परतों में निर्धारित Overlap रखना होगा।
- (8) प्रत्येक परत को 6-10 टन के वायव्योटी रोलर से ऑप्टीमम नमी लगभग (38-40%) सुनिश्चित करते हुए 95% ड्रायडेंसिटी तक भारतीय मानक 2320 (भाग-1A) अनुसार कॉम्पैक्शन (Compaction) करना होगा तथा इसका रिकार्ड संचारित करना होगा।
- (9) भराव स्थल उपरोक्तानुसार पलाई एश भरण के पश्चात, इसकी सतह पर 0.5 मीटर नया की परत बिछाकर भरण क्षेत्र का क्लोजर (Closure) सुनिश्चित करना होगा तथा उस पर 12 माह की समय-सीमा में सघन वृक्षारोपण/हरित पट्टी विकसित करनी होगी।
- (10) प्रारंभ से अंत तक किए जा रहे समस्त कार्यों का छायाचित्रण (Photo graphy) तथा वीडियोग्राफी की जाना होगी तथा समय-समय पर बोर्ड मुख्यालय एवं क्षेत्रीय कार्यालय में उपलब्ध कराना होगा।
- (11) स्थल पर पानी के नुक़ाब बनाने/भरने पर यह अनुमति प्राप्त निरस्त मानी जावेगी।
- (12) यह अनुमति विद्यमान भू-तल (Existing Ground level) तक लो-लाईग एरिया भरकर समतल करने के लक्ष्य से दी जा रही है तथा विद्यमान भू-तल से ऊपर पलाई एश भरने पर भी यह अनुमति निरस्त मानी जावेगी।



मध्य प्रदेश प्रदूषण नियंत्रण बोर्ड

पर्यावरण परिसर, ई-6, अरेरा कालोनी, गीता-452010

Tel: 0755-2466735 (O), फैक्स: 0755-2463742, टी.बी.एफैक्स: 0755-3517606, 2464191

E-Mail: il_mppcb@rediffmail.com वेब: www.mppcb.mp.gov.in

(13) उपरोक्त शर्तों का अनुपालन का उत्सर्जन पाये जाने पर बोर्ड जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 एवं वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1986 के सुसंगत प्रावधानों के अन्तर्गत कार्यवाही करने हेतु तथा आवश्यकता अनुसार अन्य शर्तों को जोड़ने, हटाने अथवा एलाई एरा मरण हेतु दी गई अनुमति को निरस्त करने/वापस लेने हेतु स्वतंत्र होगा।

कृपया इस अनुमति को सम्मति पत्र क्र. AW-53503 से संलग्न कर रखें तथा पत्र जारी होने के 15 दिवस के भीतर इस अनुमति पत्र को अनिवार्यतः अपने एक्स जी एन (XGN) आई डी द्वारा "Previous consent order" पर अपलोड करें।

(ए. मिश्रा)
सचिव
दिनांक

सूचनांक
प्रतिनिधि

/तक/प्रतिनिधि/2021

- 1) कार्यालय अपर कलेक्टर, जिला-अनूपपुर (म.प्र.) की ओर उनके अनापत्ति पत्र क्रमांक 2181/प्रवा. कले./2021 दिनांक 19/04/2021 के संबंध में सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 2) क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, म.प्र.प्रदूषण नियंत्रण बोर्ड, शहडोल की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित कर लेख है कि एलाई एरा के मरण की निगरानी सुनिश्चित करें तथा समय-समय पर उद्योग द्वारा की जा रही कार्यवाही से अवगत करावें।
- 3) भूमिस्वामी श्री शेर, हीरा, बुधिया, नानबाई, पिता सोजी नायक ग्राम-समूह पटवारी ठन्का सकरा, जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 4) भूमिस्वामी वीरेन्द्र कुमार सिंह माता सिरसोती गोड़ तहसील एवं जिला- अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 5) भूमिस्वामी इन्द्राणी सिंह पति सुहामा सिंह गोंड ग्राम-राजेन्द्रग्राम तहसील एवं जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
- 6) सरपंच ग्राम पंचायत सुलोच, म.प्र.सिन्धुग्राम-छुलोहा (बमुरिहा तालाब के पास) तहसील एवं जिला-अनूपपुर (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

(ए. मिश्रा)
सचिव



GREEN-SMALL

CCA-Fresh

CONSENT NO: ***

PCB ID: 144433

Outward No: 113815/25/02/2022
NO: /MPPCB/SDL

Consent No: AW-55280

To,

The Occupier,

M/s. MB Power (Madhya Pradesh) Limited (Ash Filling Site at Village Laharpur),

Ash Filling Site at Village Laharpur, Tal : Jaithari,

503/1, 505/4/1, Village Laharpur, Tal : Jaithari,

Dist : Anuppur, Latitude : 23.0538 Longitude : 81.8121

Subject: Grant of Consent to Operate 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

Ref: Your Consent to Operate Application Receipt No. 1128091 Dt. 08/02/2022 and last communication received on Dt. 14.02.2022

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 31/01/2023, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

a. Location: 503/1, 505/4/1, Village Laharpur, Tal- Jaithari, Dist.- Anuppur

b. The capital investment in lakhs: Rs. 19.15

c. Product & Production Capacity:

Product	Qty / year
Land Filling (Fly Ash filling in low-lying area)	38540 M.T.

NOTE:

1. For any change in above, the occupier shall obtain fresh consent from the Board.
2. Guidelines issued by Central Pollution Control Board in March, 2019 for disposal/utilization of fly ash for reclamation of low lying areas and in stowing of abandoned mines/quarries shall be complied with.
3. The company shall comply the provisions of the MOEF&CC gazette notification of ash utilization dated 14-09-1999 and as amendment on dated 27-08-2003 and 03-11-2009, S.O.254(E), dated 25.01.2016
4. The issuance of this Consent to operate does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

The Validity of the consent is up to 31/01/2023 and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * General conditions

Signature
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 25/02/2022 05:03:07 PM

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # K4LWLSJ211

Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 25/02/2022 05:03:07 PM

Achyut Anand Mishra

ACHYUT ANAND MISHRA
Member Secretary



CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of sewage shall not exceed 0.200 KL/day

2. Trade Effluent Treatment :- NIL

3. Sewage Treatment :- The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

Parameter	Standard limit*	*The operator of the STP shall comply with the standards notified vide G.S.R. 1265(E) under sections 6 and 25 of the Environment (Protection) Act, 1986 by the Ministry of Environment, Forest and Climate Change New Delhi dated 13th October, 2017.
pH	Between 5.5 - 9.0	
Suspended Solids	Not exceed 100 mg/l.	
BODs Days 27 ° C	Not exceed 30 mg/l.	
COD	Not exceed 250 mg/l.	
Oil and grease	Not exceed 10 mg/l.	
Fecal Coliform	Not exceed 1000(MPN/100ml)	

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devlovement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 5.000	WWG : 0.000	Water Source	Remark
1	Domestic Purpose	0.300	0.200	Other	for domestic
2	Dust Suppression	5.000	0.000	Other	WATER WILL BE USE IN WATER SPRINKLING

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any :

- water course or within its high flood level (HFL) area /Ecologically Sensitive Areas
- Agriculture land / area.
- Reclamation of Forest land / area is permissible only if clearance from MoEF&CC as per Forest Conservation Act, 1980 is available.
Gochar Kisan Land.

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

10. Compilation of Monitoring data-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications



and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

11. Recording of Monitoring Activities & Results-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

12. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

14. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

15. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from entering any such water. Any live fish, Shell fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

16. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

17. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

Domestic sewage shall be disposed through mobile septic tank & soakpits.

Consent No:AW-55280



CONDITIONS PERTAINING TO AIR [PREVENTION & CONTROL OF POLLUTION] ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of activity	Control equipment	PM (mg/Nm ³)
Vehicular Movement	Water Sprinkler, curtain/wind breaking wall	As per NAAQS
Unloading of Flyash	Water Sprinkler, curtain/wind breaking wall	
Compaction	Water Sprinkler, curtain/wind breaking wall	

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m³ (PM10 µg/m³ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below..

(Minimum number of plants to be planted by the unit:-250)

Additional Air condition:-

- Management shall strictly follow the guidelines namely "Guidelines for disposal/utilization of Fly Ash for reclamation of Low-Lying area and in stowing of Abandoned mines/ Quarries" issued by Central Pollution Control board on March 2019.
- The company shall make the air pollution control arrangements like water sprinkling system at site.
- Create curtain or barrier around the site to avoid any nuisance in area.
- The ash to be filled shall be handled in moist condition only.

Consent No:AW-55280



GENERAL CONDITIONS:

1. The non hazardous solid waste arising in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity total	Disposal
Flyash	38540 M.T.	Low lying area as per application

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Consent No:AW-55280



Additional condition ash filling:-

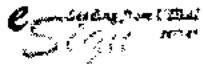
1. The site selected for reclamation of land shall be provided and maintain with bench markings on manure (हुनरे) with reduced levels.
2. The site selected for reclamation of land shall be suitably reclaimed with stripped soil as per final intended use.
3. As per the MOEF&CC gazette notification of ash utilization dated 14-09-1999 and its amendment on dated 27-08-2003 and 03-11-2009, the soil required for soil cover shall be excavated from land fill site itself and kept separately before taking for ash filling.
4. Soil required for top or side covers shall be excavated from the site and if it is not possible to do so, only the minimum quantity of soil required for the purpose shall be excavated from soil borrow area. In either case, the topsoil should be kept or stored separately. Voids created at soil borrow area shall be filled up with ash with proper compaction and covered with topsoil kept separately as above and this would be done as an integral part of project.
5. All existing undulations, holes, cavities and excavations made for plate load tests and other soil investigations, etc. shall be reported to the Board and in start of operation shall be filled with pond ash having requisite moisture content. The ash thus filled shall be compacted with the help of vibratory rollers so as to achieve dry density of not less 95% as per I.S-2720 (Part-VII). This would result in a leveled surface upon which layer wise filling of compacted ash can be done.
6. The stripped site shall be suitably leveled so that required compaction all around the ash filling area could be achieved and maintained properly after filling and the photographs of these shall be submitted to the Board before binding up of filling activities from the site.
7. The soil used for the bunds/cover shall neither be granular nor black cotton soil. It shall be of good quality for geo-technical application and shall be compacted to 95% proctor by Vibratory Roller of 15 T minimum capacity, in the layers of 25-30 cm and the optimum moisture content determined before execution of work.
8. The company shall make the protection arrangements to prevent entry of cattle/livestock inside the disposal area during execution period.
9. Care shall be taken to avoid any kind of nuisance / inconvenience to the public due to such dumping / filling activities. Curtain shall be created around the unloading site so that no fugitive emission could be generated.
10. Arrangements like water storage tank, pumps, pipes for water sprinkling for dust suppression shall be in place all the time during ash filling and till the area is reclaimed & green cover is developed.
11. A sign board shall be put showing reclamation site details to propagate the message of land reclamation by use of ash.
12. Monitoring of ground water quality in a radius of 0.5 km shall be carried out and reported at the time during execution of work and at quarterly interval up to one year post closure of the site.
13. Arrangements for dumping of ash in Ash filling/low-lying area shall be done mechanically in moist (15%) condition so that ash does not get air borne and pose fugitive dust problem.
14. Arrangements of transportation of fly ash for filling of low lying area shall be done through Tankers/ bulkers or mechanically designed covered Trucks only and in wet condition.
15. In no case, flyash or bottom ash shall be transported by open trucks / trollies and the company shall ensure that fly ash or bottom ash is transported in environmentally sound manner by as per the CPCB guidelines.
16. Arrangements shall be made by agency to ensure collection of spilled ash if any and transported to the disposal/usage site immediately.
17. All the bulkers and trucks responsible for carrying fly ash shall be with valid Pollution Under Control certificates.
18. The speed limit of vehicles carrying flyash should be strictly enforced and it should not exceed 40 km per hour.
19. For protection of pond or water body exists within or adjoining the low lying area, an earthen embankment of the cross-section as given in the guidelines be constructed around the pond or water body to protect it from spilling of ash or ingress of surface runoff into it.
20. The company shall provide the natural slope details and the runoff outlet/side of the ash filled area shall be made of RCC to avoid gully formation in this area.
21. Firm arrangements shall be made for following the procedure, after the area has been prepared and leveled, ash excavated from Borrow areas/plant having required moisture content shall be placed in layers not exceeding 300 mm in compacts thickness. The placing operations shall be such that in strips of 10-15 m of the material when compacted in the fill will be blended sufficiently to produce specified degree of compaction and stability.
22. Arrangements for the compaction of each layer shall made to achieve maximum in-situ dry density 95% of maximum dry density (MDD) of the material found out as per IS 2720 (Part VII). To achieve maximum compaction level use of vibratory rollers shall be made.
23. The company shall submit closure plan with within 01 month for the project along with maintenance of site for post project closure atleast for two years to develop complete green cover over the site or farm land as per the requirement.
24. The company shall keep the photographs of each level along with video clips and send regularly on monthly basis to RO & HO MPPCB through XGN periodical returns.
25. Regular monitoring of ground water level shall be carried out by establishing a network of existing wells in the vicinity of ash filling site.
26. Management shall strictly follow the guidelines namely "Guidelines for disposal/utilization of Fly Ash for reclamation of Low-Lying area and in stowing of Abandoned mines/ Quarries" issued by Central Pollution Control board on March 2019.
27. Management shall obtain the statutory/ necessary permission along-with the permission of district collector for filling of fly ash in low-lying area.
28. Management shall follow the route map of fly ash transportation decided.

Consent No:AW-55280

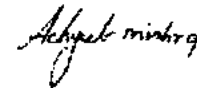


Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
M.P. Pollution Control Board


Digitally signed by
TPAV # K4LWLSJ211

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # K4LWLSJ211



ACHYUT ANAND MISHRA
Member Secretary

Consent No:AW-55280



GREEN-MEDIUM

CCA-Fresh

CONSENT NO: ***

PCB ID: 143963

Outward No: 114818/25/02/2022
NO: /MPPCB/SDL

Consent No:AW-55291

To, The Occupier,
M/s. MB Power (Madhya Pradesh) Limited, (Ash Filling Site at Jamudi)
156,157 and others, Village laharpur Murra Tola,
Tal : Jaithari
Dist : Anuppur, Latitude : 23.0621 Longitude : 81.6301

Subject: Grant of Consent to Operate 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

Ref: Your Consent to Operate Application Receipt No. 1105381 Dt. 08/02/2022 and last communication received on Dt.14/02/2022

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 31/01/2023, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Khasra No 385/1 Rakwa 8.3700 ha Village- Jamudi, Tal Jaithari, Distt. Anuppur
b. The capital investment in lakhs: Rs. 0.5
c. Product & Production Capacity:

Product	Qty / year
Land Filling (Fly Ash filling in low-lying area)	100017 M ³

NOTE:

1. For any change in above, the occupier shall obtain fresh consent from the Board.
2. Guidelines issued by Central Pollution Control Board in March, 2019 for disposal/utilization of fly ash for reclamation of low lying areas and in stowing of abandoned mines/quarries shall be complied with.
3. The company shall comply the provisions of the MOEF&CC gazette notification of ash utilization dated 14-09-1999 and as amendment on dated 27-08-2003 and 03-11-2009, S.O.254(E), dated 25.01.2016
4. The issuance of this Consent to operate does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

The Validity of the consent is up to 31/01/2023 and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * General conditions

e-Sign
Digitally signed by A. A. Mishra

Signature Not Verified
Digitally Signed by : A. A. Mishra, Member Secretary
Date: 25/02/2022 05:22:40 PM
(Organic Authentication on AADHAR from UIDAI Server)

Achyut Mishra

ACHYUT ANAND MISHRA
Member Secretary

TPAV # 75NRA82348



CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of sewage shall not exceed 0,200 Kl/day

2. Trade Effluent Treatment :- NIL

3. Sewage Treatment :- The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

Parameter	Standard limit*	*The operator of the STP shall comply with the standards notified vide G.S.R. 1265(E) under sections 6 and 25 of the Environment (Protection) Act, 1986 by the Ministry of Environment, Forest and Climate Change New Delhi dated 13th October, 2017.
pH	Between 5.5 - 9.0	
Suspended Solids	Not exceed 100 mg/l.	
BOD ₅ Days 27 °C	Not exceed 30 mg/l.	
COD	Not exceed 250 mg/l.	
Oil and grease	Not exceed 10 mg/l.	
Fecal Coliform	Not exceed 1000(MPN/100ml)	

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 50.000	WWG : 0.000	Water Source	Remark
1	Spray in Mines	50.000	0.000	Tankers	WATER WILL BE USE IN WATER SPRINKLING

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any :

- water course or within its high flood level (HFL) area /Ecologically Sensitive Areas
 - Agriculture land / area.
 - Reclamation of Forest land / area is permissible only if clearance from MoEF&CC as per Forest Conservation Act, 1980 is available.
- Gochar Kisan Land.

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

10. Compilation of Monitoring data-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of

Consent No:AW-55291



the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

11. Recording of Monitoring Activities & Results-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

12. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

14. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

15. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

16. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

17. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

Domestic sewage shall be disposed through mobile septic tank & soakpits.

Consent No:AW-55291



CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of activity	Control equipment	PM (mg/Nm ³)
Vehicular Movement	Water Sprinkler, curtain/wind breaking wall	As per NAAQS
Unloading of Flyash	Water Sprinkler, curtain/wind breaking wall	
Compaction	Water Sprinkler, curtain/wind breaking wall	

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m³ (PM10 µg/m³ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below..

(Minimum number of plants to be planted by the unit:-1125)

Additional Air condition:-

- Management shall strictly follow the guidelines namely "Guidelines for disposal/utilization of Fly Ash for reclamation of Low Lying area and in stowing of Abandoned mines/ Quarries" issued by Central Pollution Control board on March 2019.
- The company shall make the air pollution control arrangements like water sprinkling system at site.
- Create curtain or barrier around the site to avoid any nuisance in area.
- The ash to be filled shall be handled in moist condition only.

Consent No:AW-55291



GENERAL CONDITIONS:

1. The non hazardous solid waste arising in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
Flyash	100017 M ³	Low lying area as per application

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent; or,
- To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Consent No:AW-55291



Additional condition ash filling:-

1. The site selected for reclamation of land shall be provided and maintain with bench markings on munare (मुनारे) with reduced levels.
2. The site selected for reclamation of land shall be suitably reclaimed with stripped soil as per final intended use.
3. As per the MOEF&CC gazette notification of ash utilization dated 14-09-1999 and as amendment on dated 27-08-2003 and 03-11-2009, the soil required for soil cover shall be excavated from land fill site itself and kept separately before taking for ash filling.
4. Soil required for top or side covers shall be excavated from the site and if it is not possible to do so, only the minimum quantity of soil required for the purpose shall be excavated from soil borrow area. In either case, the topsoil should be kept or stored separately. Voids created at soil borrow area shall be filled up with ash with proper compaction and covered with topsoil kept separately as above and this would be done as an integral part of project.
5. All existing undulations, holes, cavities and excavations made for plate load tests and other soil investigations, etc. shall be reported to the Board and in start of operation shall be filled with pond ash having requisite moisture content. The ash thus filled shall be compacted with the help of vibratory rollers so as to achieve dry density of not less 95% as per I.S-2720 (Part-VII). This would result in a leveled surface upon which layer wise filling of compacted ash can be done.
6. The stripped site shall be suitably leveled so that required compaction all around the ash filling area could be achieved and maintained properly after filling and the photographs of these shall be submitted to the Board before binding up of filling activities from the site.
7. The soil used for the bunds/cover shall neither be granular nor black cotton soil. It shall be of good quality for geo-technical application and shall be compacted to 95% proctor by Vibratory Roller of 15 T minimum capacity, in the layers of 25-30 cm and the optimum moisture content determined before execution of work.
8. The company shall make the protection arrangements to prevent entry of cattle/livestock inside the disposal area during execution period.
9. Care shall be taken to avoid any kind of nuisance / inconvenience to the public due to such dumping / filling activities. Curtain shall be created around the unloading site so that no fugitive emission could be generated.
10. Arrangements like water storage tank, pumps, pipes for water sprinkling for dust suppression shall be in place all the time during ash filling and till the area is reclaimed & green cover is developed.
11. A sign board shall be put showing reclamation site details to propagate the message of land reclamation by use of ash.
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13. Arrangements for dumping of ash in Ash filling/low-lying area shall be done mechanically in moist (15%) condition so that ash does not get air borne and pose fugitive dust problem.
14. Arrangements of transportation of fly ash for filling of low lying area shall be done through Tankers/ bulkers or mechanically designed covered Trucks only and in wet condition.
15. In no case, flyash or bottom ash shall be transported by open trucks / trollies and the company shall ensure that fly ash or bottom ash is transported in environmentally sound manner by as per the CPCB guidelines.
16. Arrangements shall be made by agency to ensure collection of spilled ash if any and transported to the disposal/usage site immediately.
17. All the bulkers and trucks responsible for carrying fly ash shall be with valid Pollution Under Control certificates.
18. The speed limit of vehicles carrying flyash should be strictly enforced and it should not exceed 40 km per hour.
19. For protection of pond or water body exists within or adjoining the low lying area, an earthen embankment of the cross-section as given in the guidelines be constructed around the pond or water body to protect it from spilling of ash or ingress of surface runoff into it.
20. The company shall provide the natural slope details and the runoff outlet/side of the ash filled area shall be made of RCC to avoid gully formation in this area.
21. Firm arrangements shall be made for following the procedure, after the area has been prepared and leveled, ash excavated from Borrow areas/plant having required moisture content shall be placed in layers not exceeding 300 mm in compacts thickness. The placing operations shall be such that in strips of 10-15 m of the material when compacted in the fill will be blended sufficiently to produce specified degree of compaction and stability.
22. Arrangements for the compaction of each layer shall made to achieve maximum in-situ dry density 95% of maximum dry density (MDD) of the material found out as per IS 2720 (Part VII). To achieve maximum compaction level use of vibratory rollers shall be made.
23. The company shall submit closure plan with within 01 month for the project along with maintenance of site for post project closure atleast for two years to develop complete green cover over the site or farm land as per the requirement.
24. The company shall keep the photographs of each level along with video clips and send regularly on monthly basis to RO & HO MPPCB through XGN periodical returns.
25. Regular monitoring of ground water level shall be carried out by establishing a network of existing wells in the vicinity of ash filling site.

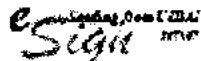
Consent No:AW-55291



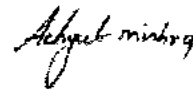
26. Management shall strictly follow the guidelines namely "Guidelines for disposal/utilization of Fly Ash for reclamation of Low lying area and in stowing of Abandoned mines/ Quarries" issued by Central Pollution Control board on March 2019.
27. Management shall obtain the statutory/ necessary permission along-with the permission of district collector for filling of fly ash in low-lying area.
28. Management shall follow the route map of fly ash transportation decided.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974 . The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
M.P. Pollution Control Board


Digitally signed by Aachyut Anand Mishra

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 75NRA82348



ACHYUT ANAND MISHRA
Member Secretary

Consent No:AW-55291


MB Power (Madhya Pradesh) Ltd

Ref: MBPMPL/WO/MBECL/12-13/01

 September 24th, 2013

M/s. Moser Baer Engineering and Constructions Limited
 235, Okhla Industrial Estate, Phase-III,
 New Delhi-110020 (India)

Kind Attn: Mr. N K Chaudhary

Subject: Work Order (WO) for Civil Works for Ask Dyke (Part-I) including HDPE Lining for 2X600MW Anuppur Thermal Power Project in Plant Area on fixed price and fixed time basis.

References:

1. Tender enquiry dated 15.04.2013 along with Tender Document.
2. Our Mail Dtd.26.04.2013 pertaining to Clarification and Revision in BoQ
3. Your initial offer through Email dated 02.05.2013.
4. Your revised offer through Email Dtd.19.08.2013
5. Your final offer through Email dated: 31.08.2013.
6. Our LOI dated 05.09.2013

Dear Sir,

This has references to tender document issued to you, its subsequent amendments, your offer, various references as mentioned above and subsequent discussions we had with you. Subsequent upon issuance of referred LOI, We, **MB Power (Madhya Pradesh) Limited (MBPMPL)**, herein after referred as "**Owner**") are pleased to place Work Order (herein after referred as "**Contract**") on you, **M/s Moser Baer Engineering and Constructions Limited (MBECL)**, herein after referred as "**Contractor**") for Civil Works of Ask Dyke (Part-I) for 2X600MW i.e. 1200MW Coal based thermal power plant (hereinafter referred as "**Project**") being set up at District Anuppur, Madhya Pradesh on fixed price and time basis. It may please be noted that any clause, conditions or terms or part thereof in Contractor's offer which is repugnant to or inconsistent with the terms stated herein under shall be void and have no force and effect unless specifically approved by Owner.

All the terms and conditions other than those listed in this Contract shall be as per Tender Document i.e. Technical Specifications & Drawing, Standard Terms and Conditions and correspondences as referred above.

The main terms and conditions of our WO shall be as follows

1. Scope of Work:

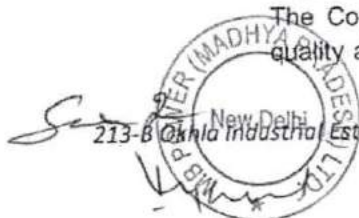
1.1. The detailed Scope of **Civil Works for Ask Dyke (Part-I) including HDPE Lining** shall be as per Annexure- A: Bill of Quantity (BOQ), Specifications, subsequent clarifications, relevant RFC drawings and per instruction of Project In Charge.

1.2. The Contractor shall carry out Civil Works including supply of all required items and materials, tools, plants, equipments, all labours required for completion of such Works. The Contractor's obligation under the Contract covers performance of Site activities, quality assurance, transportation, installation and associated Works in accordance with

Page 1 of 8

213-B Okhla Industrial Estate Phase-3, New Delhi - 110 020 Phone: 91-11-47624300, Fax: 91-11-47624229, 26911860

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the Tender Specifications, Drawings, Plans, procedures, Codes & Standards and any other documents specified in the Contract.

- 1.3. The Contractor shall execute all Works not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Completion of the Works as if such Works were expressly mentioned in the Contract. The Contractor shall not be eligible for any extra payment in respect of completion of such Works, which are needed for the safe operation of the Works as required by the applicable Codes & Standards as per Contract, though they may not have been included specifically in the Contract.

2. Acceptance of Site:

The Contractor acknowledges that it has undertaken necessary surveys and investigations of the site at which the Works are to be performed (the "Site") and has satisfied itself as to the physical, climatic and soil conditions, including ground surface, subsurface, seismic and other natural conditions, rainfall, ground water, availability and condition of access roads, harbor conditions, handling and storage of materials and other conditions required for performance of its obligations under the Contract. The Contractor agrees that the Owner shall have no liability whatsoever in respect of the Site conditions and no claim for increase in contract price or extension of time shall be allowed for any discrepancy between the actual Site conditions and those anticipated by the Contractor

3. Standards:

While undertaking the field work & studies, all applicable guidelines and standards shall be strictly followed with a view to ensure compliance of the requirements. In performance of the Works, the Contractor shall and shall ensure that all its personnel and subcontractors shall comply with:

- All applicable laws relating to occupational health and safety, including all requirements under the Factories Act, 1948 and the Explosives Act, 1948.
- All environmental laws and regulations including environmental impact assessment requirements; and all Good Engineering Practices and Prudent Utility Practices (as defined in the Tender Documents).

The Contractor undertakes that all goods and materials utilised for performance of the Works shall be new and unused.

4. Contract Price:

- 4.1. The Contract Price based on the Scope of Works as indicated under the Clause No. 1.00 above is Rs.31,50,00,000/- (Rupees Thirty One Crore Fifty Lacs Only) including all Taxes and Duties, except VAT and Service Tax on actual basis
- 4.2. The Owner shall deduct TDS (Tax Deduction at Source) in lieu of the WCT (VAT), Income Tax etc. as applicable in the State of Madhya Pradesh from the total certified Running Account (RA) Bill, from time to time. The Contractor shall submit to the Owner a certified copy of Quarterly/ Yearly assessment of WCT (VAT), etc. assessed by concern Govt. Authority with respect to the Contract.


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4.3. The Unit Rates as indicated in Bill of Quantity (BOQ) (Annexure- A) shall remain firm during the currency of the Contract. No escalation in unit rates is allowed during the tenure of Contract Period or till the end of the extended period, if any.

4.4. The Bill of Quantity (BOQ) specified in the Annexure- A are estimated, but the Works will have to be carried out as per the actual requirement. In case, Total Contract Price (under clause 4.1) increases due to increase in Bill of Quantity (BOQ) during execution of the Works, the Contractor shall obtain Contract Amendment prior to execution of such additional quantities.

4.5. The Contract Price shall be inclusive of tools and tackles, cost of necessary tasking, labour charges, cost of materials, loading & unloading charges, overheads, and all other costs as applicable for the execution of the Works.

4.6. Any other tax leviable as on the date of Contract whether considered or not in Contractor's final offer shall be to the account of Contractor.

4.7. The Contractor shall be deemed to have satisfied itself as to the correctness and sufficiency of the Contract Price, which shall cover all its obligations under the Contract.

5. Quantity Variation:

The quantities of items mentioned in the Bill of Quantity (BOQ), Annexure-A are indicative only and may be varied, and shall be charged at the same unit rates, subject to the total value of actual executed quantities being up to $\pm 20\%$ of the total contract price for the Scope of Work. However, there shall be no limit on the variation in quantities for individual items, which shall be charged at the unit rates in the BOQ.

6. Taxes & Duties

6.1. The Contract Price is inclusive of all Taxes & Duties, except VAT & Service Tax on actual basis. The billing shall be done on actual basis by charging applicable VAT on material component and Service Tax @ 12.36% on Work component.

6.2. Any other Taxes/ Duties leviable on the date of Contract, whether considered or not by the Contractor in their final offer, shall be to the account of the Contractor. Any new Tax or variation in applicable Taxes after the award of the Contract up to the Scheduled Completion of the entire Works shall be to the account of the Owner. In the event of delay, any new tax imposed or variation in statutory taxes in the extended period shall be to the account of the Owner, provided delay is not due to the reasons attributable to the Contractor.

7. Terms of Payment

7.1. Advance Payment

10% of Contract Price shall be paid as mobilization advance on successful mobilization at site as per Site Certification on submission of the following:-

- Advance Bank Guarantee or Corporate Guarantee of equivalent amount.





MB Power (Madhya Pradesh) Ltd

- Contract performance Guarantee in the form of Bank Guarantee or Corporate Guarantee of 10% of Contract price.

Both the Guarantees shall remain enforceable till the completion of Contract plus 30 days of claim period.

7.2. Other Payments

7.2.1. 80% shall be paid against monthly RA-Bills on pro-rata basis duly certified by Project In charge.

7.2.2. 10% shall be paid on completion of work and handing over of the package to Owner against submission of Performance Guarantee in the form of Bank Guarantee or Corporate Guarantee of equivalent amount, valid till defect liability period (12 months from date to completion) plus claim period of 30 days.

8. Mode of Payment

All payment (as per contract terms) shall be released by the Owner to the Contractor in the form of cheques / RTGS / ECS etc. as finalized. The payment shall be made within 30 days from the receipt of invoice provided that the documents submitted are complete in all respect.

9. Effective Date:

The Effective Date shall be the Date of release of the Letter of Intent (LoI) Reference No. MBPMPL/LOI/MBECL/12-13/01.

10. Completion Period:

10.1. Completion Period shall be 10 months from the Effective Date including monsoon period.

10.2. The Completion Period is guaranteed against delays and the same is subject to Liquidated Damages and Force Majeure clauses. The Date specified in the Completion Certificate shall be considered as the date of Completion of Works.

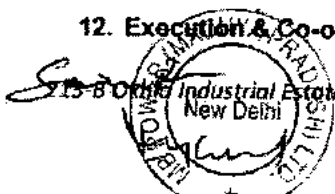
10.3. The Completion of Work as per Schedule is the essence of the Contract and if the Works are not completed within the stipulated Completion Period, Owner will be at liberty to get the Works done by any other Agency at the Contractor's risk and cost and if thereby any extra expenditure is involved, the same will be debited to the Contractor's account.

10.4. Any letter or minutes of the meetings with reference to expediting the Works shall not be construed as revision in Completion Period.

11. Liquidated Damages (LD):

For any delay by the Contractor in the time schedule an amount equal to 0.5% of the Contract price shall be deducted per week or part thereof subject to a maximum of 10% of the total Contract price. The Contractor shall be responsible for managing of local people and delay caused due to disturbance at site due to locals shall not relieve the Contractor from the scheduled completion dates.

12. Execution & Co-ordination of Work



Contractor shall submit the work procedure for each activity of the Work for approval by the Owner before starting of the Work. Contractor shall submit the progress reports daily, weekly and monthly as may be required. Contractor shall be responsible till acceptance of the Work by the Owner as per Quality Assurance Plan, Inspection and Testing of the Work and its completion including taking over by the Owner.

As the work is required to be completed as per agreed schedule, the work shall be taken up on 24 hours basis; hence, required number of Civil Engineers, Quality Control personnel, Safety in-charge shall be deployed by the Contractor to achieve the schedule. Also, taking into account the volume of work involved and the time within which it is required to be completed, the required Plant, Machinery, Equipment, Apparatus like Excavator, Backhoe, Concrete Batching Plant, Transit Mixers, Shuttering & staging materials, shall be arranged by the Contractor.

Moreover, Contractor needs to set up a field quality Laboratory as agreed during the bid finalisation and as per instructions at site.

13. Storage & Wastage of Materials:

The storage of all materials as well as handling of the same including loading / unloading, carriage/transportation to the work site etc. shall be the sole responsibility and liability of the Contractor. In case there is any variation in the above prices during the agreed period of execution of the Contract, the same shall be to the account of Contractor and Owner shall not be responsible for those variations in prices.

Any pilferages, wastage or scrap generation during the course of execution of the Project shall be solely to the Contractor's account for which Owner shall not be responsible for any reason whatsoever.

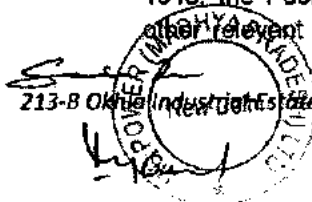
14. Mobilization:

The Contractor shall mobilize their key resources at site within 7 to 15 days of receipt of LOI/NTP. However, Contractor has to submit the L1 schedule within 7 days from Effective date.

Contractor has to necessarily mobilize the additional equipments, if required and felt at site by the Owner to complete the work assigned under this work order without any additional liability on Owner. Those requirements shall be worked out jointly on time to time basis, besides, the minimum equipment and key resources as agreed during bid finalization.

15. Insurance

The Contractor shall arrange necessary insurance cover for their Engineers / Supervisors / Worker, Tools, Equipment and material engaged for execution of the work at site. Owner shall not entertain any claim arising out of any mishap / mob / accident etc., which may take place during the course of execution of work by the Contractor at site. The insurance policy should protect the Contractor against all claims applicable under the Workmen's Compensation, 1948, the Public Liability Insurance Act, 1991, Employees State Insurance Act, 1948 and other relevant laws. The insurance policy taken by the Contractor shall cover Third Party



Insurance (minimum 1% of the Contract value) against liability for death or personal injury to any person, damage to any property, professional liability and other third party liabilities arising out the performance or non-performance of the Works. All risk insurance policy covering, including but not limited to fire, explosion, lightning, earthquake, flood, storm, tempest, terrorists act, war, theft, burglary, machinery breakdown and other risks in respect of all Works performed by the Contractor and all materials, goods and equipment at Site shall be taken by the Contractor for total value of cost of all such items plus 10% of such cost. The copy of the insurance policy shall be submitted to the Owner at the time of mobilization at site.

16. Construction Power & Construction Water

The electrical point shall be provided nearby, if available. However, Contractor shall use own resources for further extension as per site requirement on their cost. The electricity thus used shall be recovered by the Owner on chargeable basis, whereas the Contractor has to make an alternative arrangement as a back-up, in case power supply is not there.

For water, Contractor can dig the bore for use of water in construction activity at their own cost, upon getting the permission from Collectorate. However Owner will help them in forwarding the request letter to Collectorate as per prevailing practice.

17. Defect Liability Period (DLP)

The Contractor irrevocably and unconditionally warrants to the Owner that the Works shall be performed in a professional workmanlike manner in accordance with best industry standards and free of any defects or deficiencies. The Works performed shall be fit for use for the purposes for which they have been constructed /performed and can be operated in accordance with applicable law.

DLP shall be 12 months from the date of issue of certificate of completion of work by the Owner.

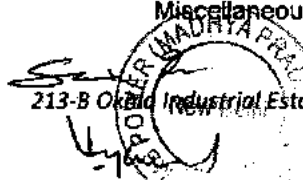
18. Safety and Security

The Contractor shall deploy Safety Engineers for monitoring and implementing the safety measures at Site and shall strictly comply with all safety measures. The Contractor shall provide helmets, safety shoes and safety goggles to all workmen and personnel working at site. You shall follow all safety norms as per standard industrial practices while execution of work.

You shall be solely responsible for safety and security of your men, machines and materials at project Site against theft, damages and accidents etc.

19. Statutory Obligations/Requirements

The Contractor shall be required to register and comply (including payment of cess /duties wherever required, filing of returns etc.) with all relevant statutory, legislative and welfare requirements including but not limited to – Workmen Compensation Act, 1923, Factories Act, 1948, Explosives Act, 1948, the Building & other Construction Workers Welfare Act, 1996, labour cess, the Employees' State Insurance Act, 1948, the Employees Provident Fund and Miscellaneous Provisions Act, 1952, the Payment of Bonus Act, 1965, all other applicable


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labour laws, Employee Insurance, Third party insurance, all safety, health and environmental laws and regulations.

Contractor shall indemnify, save and hold harmless the Owner and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs and expenses of whatsoever nature, including fees and expenses, in respect of death or injury of any person or loss of or damage to any property, arising in connection with the execution of the Work under this Work Order and by reason of delay or negligence or failure on Contractor's part or by any of Contractor's sub-Contractors or its employees, officers or agents. Contractor shall also be responsible for taking all the required insurances connected with the Scope of the Work.

20. Local Liasoning and Co-Ordination

20.1.Approvals: The Contractor shall obtain all local and other statutory and non-approvals/consents required for performance of its obligations under the Contract.

20.2.Co-ordination with other Contractors: The Contractor shall co-operate with and not hinder the work of the other contractors and workmen of the Owner. The Contractor shall be responsible for co-ordination with other contractors for proper and timely completion of all works to be performed by the Owner's contractors.

20.3.The Contractor shall be solely responsible for local liasoning / co-ordination with villagers, local bodies / Government authorities etc. required for smooth & undisturbed execution of work. The Owner shall provide all requisite assistance to Contractor in this regard.

21. Suspension

The Owner at his convenience can suspend the work with adequate notice. In case resumption does not take place within 1 (one) month, the Owner has a right to terminate the contract.

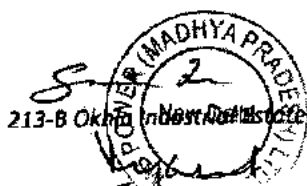
22. Termination

Owner has the right to terminate the Contract by issuing a termination letter with immediate effect on non-satisfactory performance/delay of work by the Contractor, Material default of the Contractor or Contractor becomes insolvent or bankrupt. In such cases, Contractor shall not be entertained for any claim of his work.

Similarly Contractor can terminate the contract in case Owner becomes insolvent or bankrupt.

23. Right to Assist

In case, Owner finds that Contractor is delaying or failing to timely arrangement of equipments/material or manpower, Owner reserve its right to provide the required equipments/material or manpower to improve the work. All the cost as incurred by Owner for such assistance shall be debited to Contractor.





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24. Project Manager

The Project Manager shall be in - charge for overall Contract execution and bill certification etc. for the contract. The name of the Project Manager shall be informed to you shortly.

The Contractor shall appoint and notify to the Owner, the name of its representative, who shall be responsible for overseeing the execution of the Works. Such representative shall not be changed without prior consent of the Owner. The Contractor shall be bound by the actions of its representative and shall be deemed to have received all notices, instructions and information given to its representative.

25. Arbitration

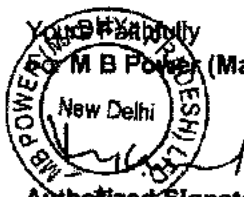
In the event of any dispute arising after commencement of the work, which cannot be settled, the same shall be settled by arbitration by a sole Arbitrator to be appointed by Owner. The arbitration shall be conducted in accordance with the provisions the 'Arbitration and Conciliation Act 1996' and its amendments thereof. The venue of the arbitration shall be New Delhi and the proceeding shall be in English Language.

26. Jurisdiction

The Courts of Delhi shall have Jurisdiction to decide on all matters arising out of or concerning this Work Order, including any interim measure either before the commencement of the arbitration proceedings or a pending final award by the arbitration tribunal.

The complete terms and conditions shall be as per tender Document, subsequent Amendments and agreements reached during post bid discussions

Please acknowledge the receipt of this WO and return us the duplicate copy duly signed and stamped in confirmation of the above terms.


Authorized Signatory

Accepted and Acknowledged by
Moser Baer Engineering & Constructions Limited

Authorized Signatory

Encl: -

(a) Annexure A: Bill of Quantities (BOQ) with unit rates

2x600 MW Anuppur Thermal Power Station

Package: Ash Dyke (Part-I)

Annexure - "A"

Sl. No.	Description of Work	Qty	Unit	Rate	Amount
1	Earthwork in excavation for following types of soils in Ash Pond area including clearing of areas for excavation as per technical specification, loading, transportation and unloading of suitable serviceable materials for stacking, stacking of excavated soil required for embankment formation, removal / bailing out rain / surface/subsoil water from the excavation and filling areas, excavation of soil below subsoil water level, dewatering including pumping, removal of slush as per requirements, maintaining dry working conditions (till completion of all activities which require dry working conditions) including lift upto 6 m., sheeting, shoring, strutting, bracing if required, trimming of excavated bottom, rolling final excavated surface to 95% modified proctor density and optimum moisture content to achieve a compacted reservoir bottom as per technical specifications, with all leads and lifts in respect of excavation and providing all duties, taxes, labour, materials, tools, equipment, safeguards, handling, transportation, preparation of the scheme for excavation and dewatering and getting the same approved, etc. for all complete as per specifications, drawing and instructions of the engineer.				
	i) In all kinds of soils,	1,058,100.00	Cum	64.52	68,269,273
	ii) In ordinary rock,	91,900.00	Cum	142.12	13,060,805
2a	Filling using selected excavated earth (Extra Over item No 01) in Ash dyke embankment including loading, transportation and unloading of earth to embankment formation site, loosening, breaking lumps, laying and spreading in layers of compacted thickness not exceeding 225 mm, compacting to at least 95% modified proctor density at optimum moisture content including trimming/cutting of slopes in filling area, dressing to required slopes/shapes and levels, sorting of suitable fill materials and disposal of unsuitable materials, finishing of surfaces, compaction trials, setting out and making profiles, Note: The rate shall include associated testing of materials to establish suitability of the fill material and also the tests during filling works as per technical specification	183,333.00	Cum	38.62	6,713,620
2b	Supply and Filling using sandy soil to comply with the properties as per specifications dwgs. in Ash dyke embankment including loading, transportation and unloading of earth to embankment formation site, loosening, breaking lumps, laying and spreading in layers of compacted thickness not exceeding 225 mm, compacting to at least 95% modified proctor density at optimum moisture content including trimming/cutting of slopes in filling area, dressing to required slopes/shapes and levels, sampling and testing, compaction trials, setting out and making profiles, establishment and protection of reference pillars, all leads and lifts in respect of filling, transportation and placement of fill materials testing for moisture content, adding moisture to achieve optimum moisture content, recording of measurement etc. and providing all duties taxes, labour, materials equipment handling safeguards and incidental expenses complete as per specifications drawings and directions of Engineer Note: The rate shall include associated testing of materials to establish suitability of the fill material and also the tests during filling works as per technical specification	91,667.00	Cum	108.99	9,990,561
3	Extra over item no. 1 for disposal/ stacking of surplus excavated material not required for filling in ash pond boundary to an area identified by the owner within the plant boundary, including all leads and lifts, loading, transportation and unloading of earth to the required area, loosening, breaking lumps, laying and spreading in layers of compacted thickness not exceeding 300 mm, compacting to at least 95% modified proctor's density at optimum moisture content including trimming/cutting of slopes in filling area, dressing to required slopes/shapes and levels, finishing of surfaces, sampling and testing, compaction trials, setting out and making profiles, establishment and protection of reference pillars, all leads and lifts in respect of filling, transportation and placement of fill materials testing for moisture content, adding moisture to achieve optimum moisture content, recording of measurement etc. and providing all duties taxes, labour materials equipment handling safeguards and incidental expenses complete as per specifications drawings and directions of Engineer. the rate shall include ass associated testing of materials to establish suitability of the fill material and also the tests during filling works as per technical specification			0.00	
	i) Clay for lining	100,000.00	Cum	54.06	5,406,782
	ii) CNS	100,000.00	Cum	55.80	5,580,162
	iii) Other soil including rock	814,333.00	Cum	66.26	53,961,306
4	Providing slope protection with turf sods @ 50mm c/c including surface preparation, transporting by mechanical / manual means with all leads and lifts and placing of turf in positions in a uniform manner, ramming and watering for 3 months or till the grass establishes itself uniformly which ever is later, and ramming with topsoil with watering including all labour, materials, manure, plants, tools and equipments all complete as per drawings, relevant standard specifications and as directed by the engineer.	35,000.00	Sqm	59.29	2,075,123

2x600 MW Anuppur Thermal Power Station

Package: Ash Dyke (Part-I)

Annexure - "A"

S.No.	Description	Qty	Unit	Rate	Amount
5	Supply and laying in panels, of size not greater than 5m x 5m PCC (1:3:6) 100 mm thick coping (20mm down size coarse aggregate) on top of embankment including dressing, watering and compacting the top surface with roller including formwork, all material & labour as per drawings and direction of engineer-in-charge.	11,100.00	Sqm	502.21	5,574,582
6	Supplying and filling approved quality materials for filter media, laid to correct lines and levels, including all materials, all leads and lifts as per drawings, specification and as directed by the Engineer. The media shall consist of the following layers of materials:				
	(i) Graded stone aggregate 40mm nominal size - thickness 800mm.	50.00	Cum	1,621.73	81,087
	(ii) Stone aggregates 20mm down graded-thickness 250mm.	50.00	Cum	1,830.99	91,550
	(iii) Stone aggregates 6mm size - thickness 250mm.	180.00	Cum	1,883.30	282,486
	(iv) Coarse sand -thickness 800mm	250.00	Cum	732.40	183,099
7	Providing and laying plain cement concrete/lean concrete in 1:4:8 mix with stone aggregate 40 mm and down (including form work if required) at all levels, for all kinds of works such as mass concrete, lean concrete, mud-mat, screed concreting, drains, gully chambers, pits, trenches, etc. with all labour, material, equipment, handling, batching, transporting, pumping, mixing, placing and compacting, curing, testing, for all working conditions, etc., all complete as per specifications, drawings and instruction of the Engineer.	500.00	Cum	4,342.06	2,171,032
8	Providing and laying design mix cement concrete, for Reinforced Cement Concrete works, as specified below, at all levels, for all kinds of works, with 20 mm nominal size graded stone aggregate (unless specified otherwise), including formwork but excluding reinforcement with all labour, material equipment, handling, batching, transporting, testing, pumping, including mix design, mixing, conveying, placing and compacting, protecting and curing, testing, cleaning and finishing, rendering to give a smooth and even surface, for all working conditions, preparation of scheme for concreting and getting it approved by the Engineer, etc., all complete, as per specifications, drawing and instructions of the Engineer.				
	(i) M25 grade.	600.00	Cum	7,847.10	4,708,282
	(ii) M30 grade	75.00	Cum	8,265.62	619,921
9	Providing cleaning, cutting and bending, as per drawings and approved Bar Bending schedule, and placing in position High yield strength deformed reinforcement bars conforming to IS: 1788, Fe-500 at all locations and levels including binding with soft annealed 18G black wire, etc., including preparation of Bar bending schedule and getting it approved, complete as per drawings, specification and as directed by the Engineer (No Payment will be made for binding Wires)	120.00	MT	70,623.93	8,474,871
10.1	Supplying and laying at all elevations and in required slope, RCC Hume pipes of 1000 mm Dia of NP3 class, conforming to IS:458 with collars, including bedding, jointing the collars with cement mortar (1:1), testing of joints, encasing with RCC of M25 grade including formwork as required, complete as per drawing, specification and as directed by Engineer. (Note: Earthwork and Reinforcement required for execution of this item shall be paid separately under relevant items.)				
10.1.a	Same as item no. 10 above but with RCC Hume pipes of 800 mm Dia.	150.00	RM	6,800.82	1,020,123
10.1.b	Same as item no. 10 above but with RCC Hume pipes of 600 mm Dia.	150.00	RM	5,231.40	784,710
10.2	Supply and installing along maintenance passage at top and along downstream slope of the bund, Precast concrete half round RCC pipes of specified dia of Min NP2 class conforming to IS:458, with collars, including PCC 1:4:8 bedding 75thk, jointing the collars with cement mortar (1:1), testing of joints, complete as per drawing, specification and as directed by Engineer. (Note: The rate shall be inclusive of excavation, backfill & disposal of surplus earth as directed by engineer in charge.)				
10.2.a	250MM Dia	2,750.00	RM	1,203.22	3,308,862
10.2.b	150MM Dia	100.00	RM	837.02	83,702
11	Providing and laying 100mm thick coping over top of embankment with plain cement concrete / Lean Concrete with stone aggregate 20 mm down in 1:2:4 mix at all levels in panels of size not more than 5m x 5m, including supply and fixing of formwork, compacting, curing, dewatering with all works including all labour, materials, plants, tools and equipment complete as per drawing, specification and as directed by the engineer.	NA	Cum		
12	Providing and fixing in Precast RCC panels of design size and grade M30 for decantation well including preparation of casting bed, formwork, transporting, handling, erecting / fixing in position to true line & levels, sealing, testing, etc. including all labour, materials, tools, equipment as per drawing, specifications and instructions of the engineer. (R/F shall be paid separately under relevant item)	75.00	Cum	11,508.08	863,181



2x600 MW Anuppur Thermal Power Station

Package: Ash Dyke (Part-I)

Annexure - "A"

Sl. No.	Description of Work	Quantity	Unit	Rate	Amount
13	Providing and fixing in concrete at specified levels and locations, For steel rungs of 20mm dia at 300 mm c/c at the decantation well, including cutting, bending, fabricating, storing, transporting, fixing in position to required line & levels, including all labour, materials, consumables, tools, equipments, as per drawing, specifications and instructions of the engineer.	300.00	Kg.	78.47	23,541
14	Providing & Placing in layer rock toe filter with stone of sizes varying from 230mm to 40mm, including Compacting, Overall wrapped with Geo grid of 200 GSM or equivalent from reputed manufacture over the surface area of Rock toe as whole, work shall be done as per drawing specification as direction of Engineer.	2,500.00	Cum	1,412.48	3,531,196
15	Supply, Fabrication and Erection of Structural Steel: Supplying, fabricating, hoisting, transporting, loading/unloading, stacking and erecting in position welded and / or bolted miscellaneous structural steel works such as truss, columns, Beams, Bracings, Girders, grills etc at all levels, including all rolled, semi rolled, built-up sections fabricated from plates, girders, beams, channels profile sheets, plates, flats and angles etc. cutting to required size, straightening if required, bolting / welding of joints, finished edges by grinding, fixing and erecting in position and leveling, at all Elevations by all sorts of mechanical means including suitable type of cranes including also heavy duty cranes, if required providing fixing and tightening erection bolts/welding nuts, washers, cleats, stiffeners, gussets, base plates and other supporting structures etc. complete including surface preparation by means of sand blasting/glass bead and applying primer coat as per Drawing and specification, preparing the surface for painting, including surface cleaning, wire brushing, removal of mills, scale, dust, rust, oil and grease etc., applying one coat of Zinc Phosphate primer (75 micron) and two or more intermediate Coat of Epoxy Mastic paint intermediate coat (Total Thickness 125 microns) Finish coat (In 2 coats of 20 microns each) at site with PU paint of approved color (Total Thickness 40 microns). (No payment shall be made for erection of bolts/ nuts/washers and for any other supporting arrangement required for erection.) (The rate shall be including of preparation and approval of fabrication drawings).	12.00	MT	83,702.43	1,004,429
16	Supply and fixing of Anchor Bolt: Supplying, fabricating, erecting and fixing in position to line and level steel embedment/inserts etc. as anchor bolts, anchor bolt assemblies angles, tees, channels, plates, rungs etc. including cutting welding, cleaning, preparing the surface and painting as per specifications, drawing and as directed by the Engineer. (Templates if any required for fixing the inserts will not be paid separately)	0.50	MT	94,165.24	47,083
17	Supply and Fixing of Grating: Supplying, fabricating, detailing, handling and erecting in position at all levels hot dip electro forged steel gratings for walkways, platforms etc. painting complete as per specifications, drawings & approved by Engineer.	3.75	MT	99,396.64	372,737
18	Supply and Grouting of Non Shrink flowable Grout: Supply and grouting of underside of base plates, pockets etc. using non-shrink flow able grout GP2 of Fosrock or equivalent approved make complete as per specification and instruction of Engineer (No formwork shall be paid separately).	1.00	Cum	68,008.23	68,008
19	Supply and Fixing of Hand Rail : Supplying of raw steel material, fabrication, transport, loading/ unloading etc.along with surface preparation and applying primer coat and erection of completed 32 nb medium M.S. pipe (IS 1239) hand railing as per specifications and as per details.	0.50	MT	83,702.43	41,851
20	Preparation for Sub Grade Preparation of sub grade by excavating areas upto a depth of 45 cm for roads, pavements, yards, platforms including dressing up the bottom and sides of excavation to required levels, cambers, gradient including making good the undulations with approved earth available from excavation and compacting the subgrade with 8 to 10 T road roller/Vibratory road roller, compaction under Optimum Moisture Conditions, to achieve 95% of maximum dry density.Disposal of surplus earth to be done with in the premises as directed by Engineer-in-charge.	1,950.00	Sqm	31.39	61,207
21	Preparation for Sub Base Course Supplying, laying and rolling to correct width, depth and camber granular sub-base of 225 mm compacted thickness (in two layers each of 100mm thick & one layer of 85 mm th with Grade-1 crushed rock aggregate conforming to IRC-19/MORTH specification) with approved material and grading, all complete as per drawing, specification and direction of the Engineer.	575.00	Cum	1,700.21	977,618



2x600 MW Anuppur Thermal Power Station

Package: Ash Dyke (Part-I)

Annexure - "A"

Bidding Item Description					
Bidding Item Description					
22	Supply and Laying of WBM Supplying and laying water bound macadam in 250 mm compacted thickness (one layer of 100mm thick & two layers of 75 mm thickness each compacted stone with Grade - 2 crushed rock aggregate conforming to IRC:19/MORTH specification) to correct width, depth and camber with dry and wet rolling etc, all complete as per drawing, specification and direction of the Engineer.	487.00	Cum	1,752.52	853,477
23	Supply and Laying of Prime Coat Supplying and laying prime coat at 0.7kg per sqm above base coarse as per specification, drawing and direction of Engineer in charge.	1,950.00	Sqm	57.55	112,214
24	Supply and Laying of Tack Coat Supplying and laying tack coat at 0.25kg per sqm above base coarse as per specification, drawing and direction of Engineer in charge.	1,950.00	Sqm	22.67	44,205
25	Supply and Laying Dense Bituminous Macadam Supplying, laying and rolling of Dense bituminous macadam (Grade-2) binder coarse of 65 mm thk.(compacted thickness) to correct width, depth and camber as per CI 507 of Specification for road & bridges work -2000, MORTH, all complete as per drawing, specification and direction of the Engineer.	126.00	Cum	11,300.70	1,423,888
26	Supply and Laying Bituminous Concrete Supplying, laying and rolling bituminous concreting (Grade-2) of 30 mm thk. to correct width, depth and camber, all complete as per Cl. No. 509 of Specification for road & bridges work -2000, MORTH, drawing and direction of the Engineer.	58.00	Cum	12,032.22	697,869
27	Supply and Laying Seal Coat Supplying, laying and rolling seal coat, 6 mm thk, all complete as per drawing, specification and direction of the Engineer.	1,950.00	Sqm	74.11	144,517
Sub Section - Lining Work					
N-1	Providing and laying sand for lining work on slopes of the embankment: Providing and laying fine river sand (of particles passing through 2.36mm IS sieve) average compacted thickness of 75 mm above and 100 mm below the geo membrane liner, finished to correct line and levels to meet with liner manufacture's requirement all as per construction drawing and as directed by Engineer. (Sand shall be sieved to remove sharp/ angular particles)	14,000.00	Cum	758.55	10,619,746
N-2	Providing and laying sand for lining work on bed: Providing and laying fine river sand (of particles passing through 2.36mm IS sieve) average compacted thickness of 175 mm below the geo membrane liner, finished to correct line and levels to meet with liner manufacture's requirement all as per construction drawing and as directed by Engineer. (Sand shall be sieved to remove sharp/ angular particles).	25,500.00	Cum	680.08	17,342,098
N-3	Providing and laying Geo-membrane on slopes of embankment: Providing and laying Geo membrane of 1000 micron thickness HDPE, UV resistant, both side textured from reputed manufacture, as per the specification, on the upstream slope of the bund, including providing laps, thermo welding of joints as per manufacture's recommendations including 100% testing of joints, anchorages etc all as per the geo membrane supplier's requirement to result in a water proof membrane including all associated works all as per specifications and as per the instructions of the Engineer. (Only the net surface area shall be measured for payment. No payment for area in laps & joints and tucking in concrete)	90,000.00	Sqm	177.87	16,008,080
N-4	Providing and laying Geo-membrane on the bed: Providing and laying Geo membrane of 1000 micron thickness HDPE, UV resistant, both side textured from reputed manufacture, as per the specification, on the upstream slope of the bund, including providing laps, thermo welding of joints as per manufacture's recommendations including 100% testing of joints, anchorages etc all as per the geo membrane supplier's requirement to result in a water proof membrane including all associated works all as per specifications and as per the instructions of the Engineer. (Only the net surface area shall be measured for payment. No payment for area in laps & joints and tucking in concrete)	150,000.00	Sqm	172.84	26,895,440
N-5	Supply Paver Blocks: Providing and Stocking at Stockyard 60 mm thick factory made cement concrete interlocking paver blocks of M25 grade made by block making machine with strong vibratory compaction and of approved size and design / shape & colour all complete as per specification, drawing and as per the instruction of the Engineer.	Rate Only	Sqm	853.93	



San 2

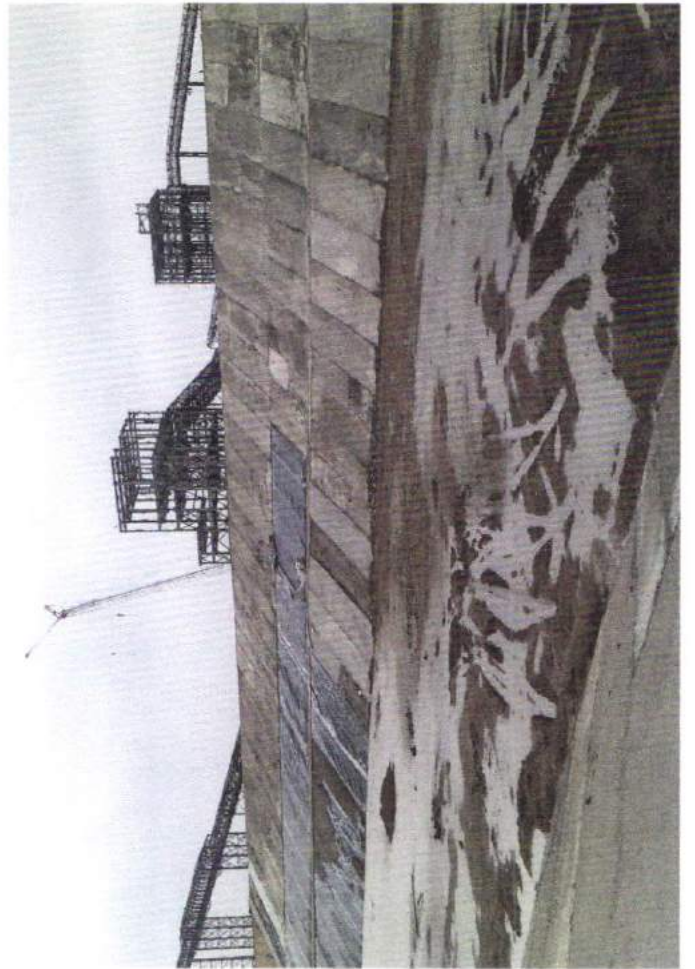
2x600 MW Anuppur Thermal Power Station
Package: Ash Dyke (Part-I)
Annexure - "A"

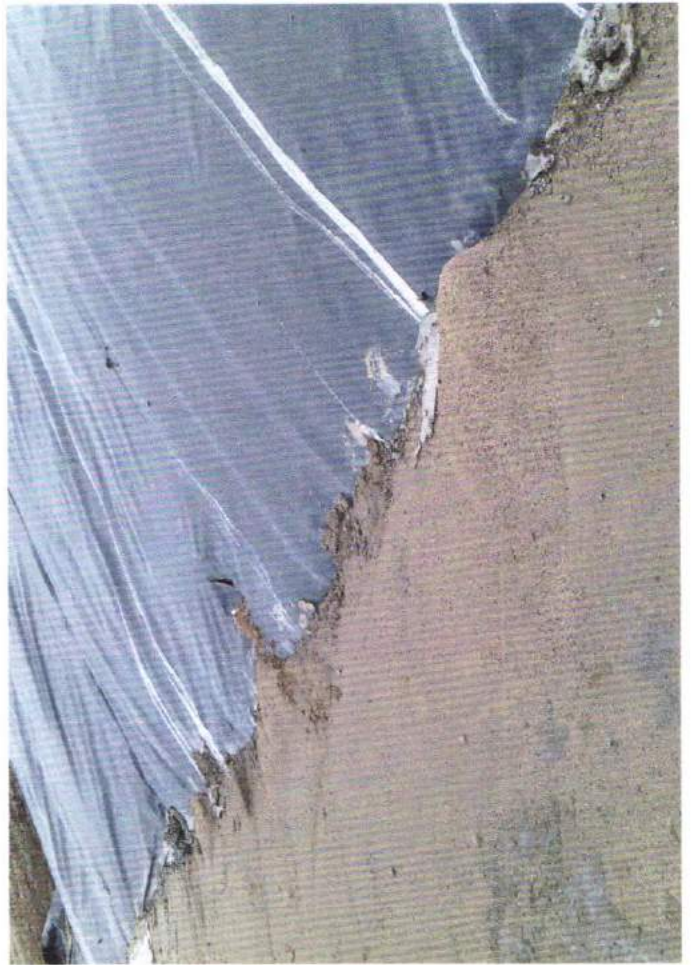
Sl. No.	Description of Work	Rate	Unit	Quantity	Amount
N-6	Laying Paver Blocks on slopes and at bed along periphery of the embankment: Collecting ready cement concrete interlocking Paver Blocks of M 25 grade from stockyard, transporting from the stock yard and laying in required pattern over sand bed in correct line, level and course, set in 25mm thick 1 : 4 cement mortar bedding, filling the joints with cement mortar 1:4 etc, all complete along the slope of the reservoir, around the energy dissipator and any other else as per specification, drawing and as per the instruction of the ENGINEER.	Rate Only	Sqm	177.87	-
N-7	Alternate to Items N-5 & N-6 Providing and laying 75 thk PCC, mix 1:2:4, stone aggregate 10mm down on slopes of the embankment in panels of size not more than 3mx5m, alternate panels cast in chess board fashion, including supply and fixing of side formwork, compacting, curing, trowel finish etc. complete as per drawings, specifications and directions of Engineer.	6,500.00	Cum	5,754.54	37,404,624
N-8	Laying of clay cushion over Geo-membrane on the bed: Laying clay cushion over HDPE lining from available excavated earth, average 200 thk, after removal of stones, pebbles, lumps etc., spreading the clay evenly over the HDPE sheet, tamping, ramming etc. Proper care shall be taken to avoid any damage to HDPE during handling, transport and laying of the clay.	30,000.00	Cum	94.17	2,824,957
N-9	Stone Pitching Providing & fixing dry Stone Pitching, including pointing with CM 1:3, over side slopes of approach road, embankment slopes etc. with stone size varying from 150 to 230mm to achieve overall thickness of pitching 230mm including providing & fixing header stones, surface dressing with proper compaction including all labour, tools, tackles, etc. complete as per drawings, specs and direction of Engineer-in-charge.	4,000.00	Sqm	549.30	2,197,189
Grand Total: 35,426,769					

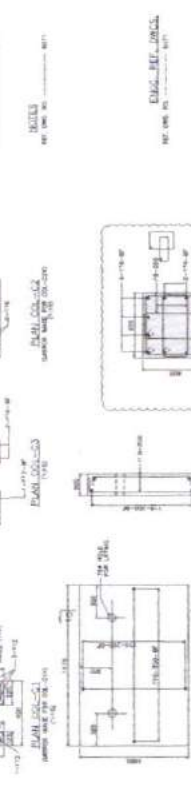
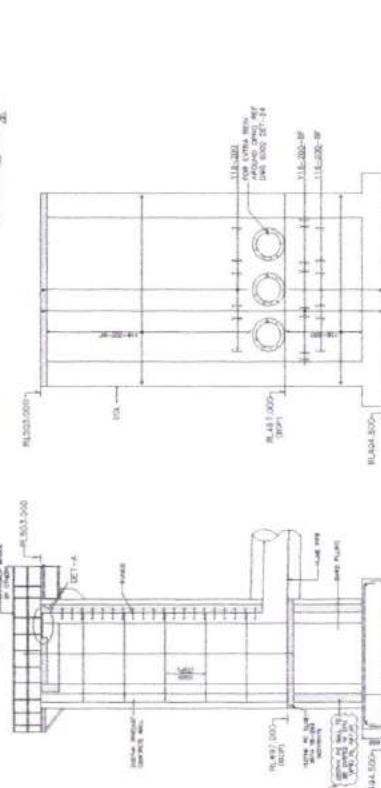
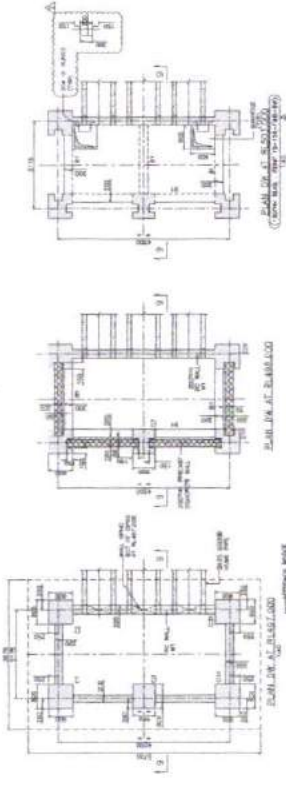
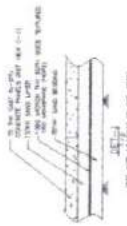
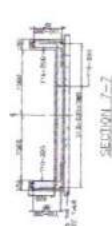
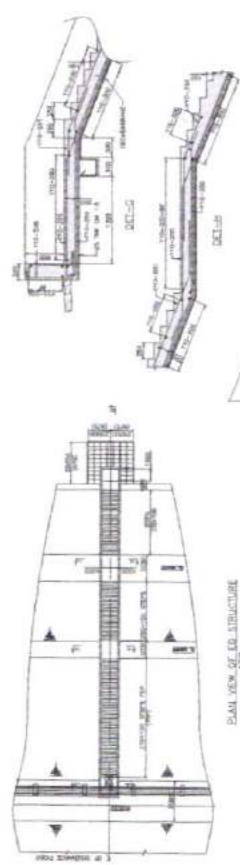
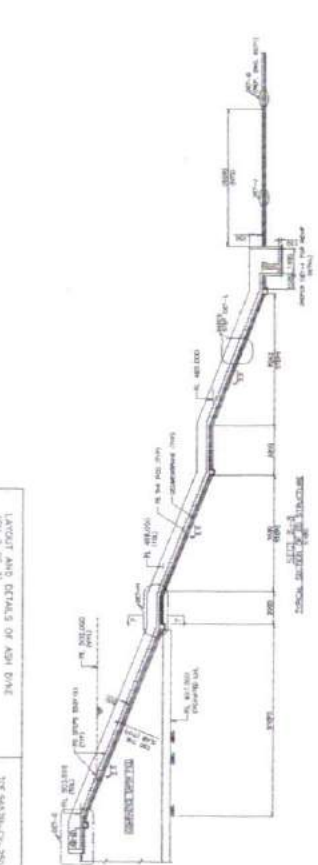
(Rupees Thirty One Crore Fifteen Lacs Only, which is inclusive of all taxes and duties except VAT and Service Tax on actual basis)







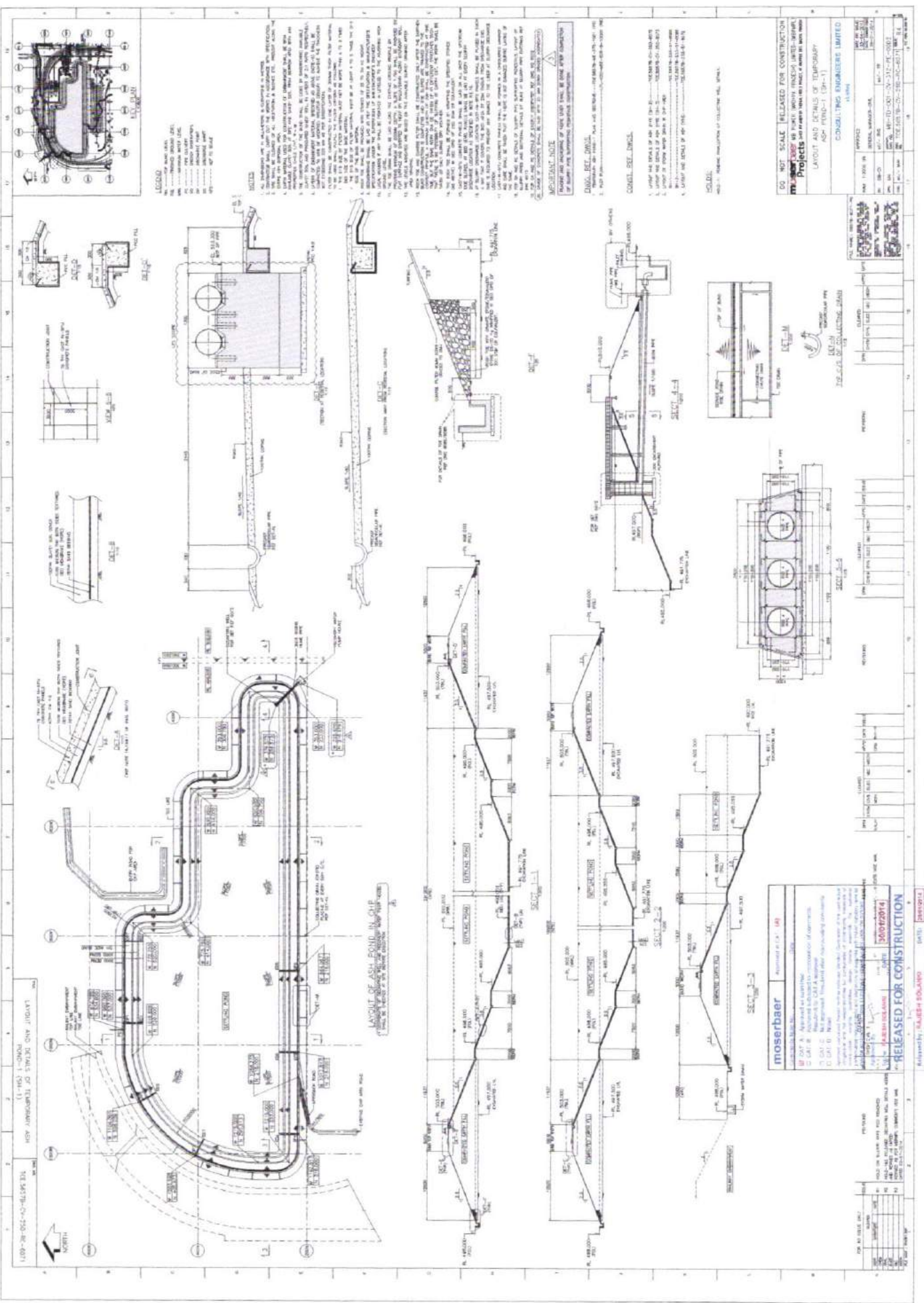




moserbaer Chemnitz Alga No	Approved in CAT: (A)	
	Date:	
☒ CAT-A: Approved as submitted ☐ CAT-B: Approved for re-consideration of comments ☐ CAT-C: Not approved. Has pending major re-consideration comments ☐ CAT-D: Noted		
Approved comments from the review Director's Committee of the architectural department and his representatives for re-consideration of: serviceability, construction, weights, waterproofing, budget, details, accessibility, fire, structural performance requirements and conformity of materials with fire safety standards. CAT-A approved on 01/01/2014 at 11:00 AM. CAT-B closed on 01/01/2014 at 11:00 AM.		
Approved By:	Name: RAJESH SOLANKI	DATE: 30/01/2014
Released by: RAJESH SOLANKI		
DATE: 30/01/2014		

DO NOT SCALE
 PROJECTS
 LAYOUT AND DETAILS OF ASH DRYER

[illegible]



KEY APPROVED BY: [Signature]		DATE: 15/01/2014	
PROJECT: WASTEWATER TREATMENT PLANT		DRAWING NO: WWT-001	
SHEET NO: 1 OF 1		SCALE: 1:100	
DESIGNED BY: [Name]		CHECKED BY: [Name]	
APPROVED BY: [Name]		DATE: 15/01/2014	

Annexure-VII

Status of Consent to operate Condition [CTO 2021]

[CTO Renewal letter No. AWH 53503, dated 13/05/2021]

S. No.	Condition	Compliance status as furnished by the project proponent	Remarks/observations of the Joint Committee based on the site visit undertaken during 30 th April-1 st May, 2022
01	The daily quantity of trade effluent generation from the unit shall not exceed 3078.0 KL/day , and the daily quantity of sewage of the unit shall not exceed 100.0 KL/day	The daily quantity of trade effluent generated from the plant is less than 3078 KL/day. The daily quantity of sewage generated from the unit is less than 100.0 KL/day.	As per the log book records furnished during the site visit, it was noted that the trade effluent generation is less than 3078 KL/day and the sewage generation is well below the stipulated limit of 100 KLD.
02	Trade Effluent Treatment:- The applicant shall regularly operate its effluent treatment system and maintain the same properly to achieve following standards pH Between 5.5 – 9.0 Suspended Solids Not exceed 100 mg/l. BOD 3 Days 27°C Not exceeds 30 mg/l. COD Not exceed 250 mg/l. Oil and grease Not exceed 10 mg/l. TDS Not exceed 2100 mg/l. Chlorides Not exceed 1000 mg/l.	Complied. Test results are being submitted monthly to ROMPPCB Shahdol. Latest third party report is attached as Annexure-1	As per the test reports related to the treated effluent quality as monitored by the NABL accredited laboratory namely, M/s. EMTRC Ltd., Ghaziabad, it was noted that the treated effluent is meeting the stipulated standards.
03	Sewage Treatment :- The applicant shall regularly operate its sewage treatment system and maintain the same properly to achieve following standards:- pH Between 6.5 – 9.0 Suspended Solids Not exceed 100 mg/l. BOD 3 Days 27°C Not exceeds 30 mg/l. COD Not exceed 250 mg/l. Oil and grease Not exceed 10 mg/l.	Complied. Test results are being submitted monthly to ROMPPCB Shahdol. Latest third party report is Attached as Annexure-2 .	During the site visit, the test reports related to the treated sewage as monitored by the NABL accredited laboratory namely, M/s. EMTRC Ltd., Ghaziabad were furnished and it was noted that the treated sewage is meeting the stipulated standards.

	Fecal Coliform Not exceed 1000(MPN/100ml)																						
04	The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises	Complied. The effluents are treated and reused. No effluent is discharged outside the plant boundary.	As per the records furnished during the site visit, it was observed that the treated effluent is being reused for dust suppression at CHP, AHP and greenbelt and it was observed that no effluent is being discharged outside the plant premises.																				
05	Water meter preferably electromagnetic/ ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/ statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements. <table border="1"> <thead> <tr> <th>Sr.</th><th>Water code</th><th>WC : 51358.0</th><th>WWG : 3178.0</th></tr> </thead> <tbody> <tr> <td>01</td><td>Boiler feed</td><td>1200</td><td>150</td></tr> <tr> <td>02</td><td>Cooling wtr</td><td>40000</td><td>00</td></tr> <tr> <td>03</td><td>Domestic</td><td>150</td><td>100</td></tr> <tr> <td>04</td><td>Other</td><td>10008</td><td>2928</td></tr> </tbody> </table>	Sr.	Water code	WC : 51358.0	WWG : 3178.0	01	Boiler feed	1200	150	02	Cooling wtr	40000	00	03	Domestic	150	100	04	Other	10008	2928	Water meters have been installed. Category wise water consumption data is maintained.	During the site visit, it was observed that Electromagnetic flow meters have been installed for monitoring the water consumption for Industrial cooling/boiler feed, process & domestic purposes and the monitored data is being submitted online through XGN portal. Log books in this regard were furnished at the time of site visit. Quantum of treated waste water from various sections of the plant are also being monitored and reported online through XGN portal.
Sr.	Water code	WC : 51358.0	WWG : 3178.0																				
01	Boiler feed	1200	150																				
02	Cooling wtr	40000	00																				
03	Domestic	150	100																				
04	Other	10008	2928																				
06	Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board	Agreed. In case of any change fresh consent shall be taken from the board.	No change in production capacity, process, raw material used etc. was observed during the site visit. Project proponent agreed to comply with the contents of the stipulated condition in case of any future expansions.																				

07	All treatment/ control facilities/ systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/ efficiently to achieve compliance of the terms and conditions of this consent	Complied. We have installed pollution control facilities at all the area and system are working effectively.	As per the CEMS records verified at the time of site visit, it was observed that the stack emissions from the power plant are complying the stipulated norms of MPPCB. ETP and STP is functional at site and the perusal of the test reports of treated effluent and treated sewage reveal that all the monitored parameters are complying the stipulated norms.
08	The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions	Agreed. Being complied. We are treating the effluent and treated effluent is being used within the plant for dust suppression and greenbelt area.	As per the CEMS records verified at the time of site visit, it was observed that the stack emissions from the power plant are complying the stipulated norms of MPPCB. The test reports related to stack monitoring as monitored by NABL accredited laboratory namely, M/s. EMTRC Ltd., Ghaziabad reveal that all the monitored parameters are well within the stipulated standards. ETP and STP is functional at site and perusal of the test reports of treated effluent and treated sewage reveal that all the monitored parameters are complying the stipulated norms.
09	Compilation of Monitoring. i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of	Complied. Monthly report submitted to MPPCB Regional Office Shahdol. Latest monitoring of ambient air quality report	As per the CEMS records verified at the time of site visit, it was observed that the stack emissions from the power plant are complying the

	monitored discharge. ii Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used. iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.	are attached herewith as Annexure-3. Reports area being uploaded in XGN portal.	stipulated norms of MPPCB. The test reports related to stack monitoring as monitored by NABL accredited laboratory namely, M/s. EMTRC Ltd., Ghaziabad reveal that all the monitored parameters are well within the stipulated standards. ETP and STP is functional at site and perusal of the test reports of treated effluent and treated sewage as monitored by NABL accredited laboratory namely, M/s. EMTRC Ltd., Ghaziabad reveal that all the monitored parameters are complying the stipulated norms. Apart from the third party monitoring, it was observed that the in-house monitoring of treated effluent from ETP and STP is also being undertaken and from the log book details, it was noted that all the monitored parameters are well within the stipulated standards.
10	Recording of Monitoring Activities & Results:- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent. ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows: (i) The date, exact place and time of sampling (ii) The dates on which analysis were performed (iii) Who performed the analysis?	Online monitoring records area being maintained for AAQMS and CEMS. Offline monitoring records are also being maintained by the company. MOEFCC recognized and NABL certified lab is involved for environmental monitoring.	During the site visit, it was observed that the project proponent is maintaining the online and offline records of ambient air quality monitoring and stack monitoring. Test reports related to monitoring as obtained from NABL accredited laboratory reveal that all the contents of the stipulated condition are being complied with. Further, project

	(iv) The analytical techniques or methods used and (v) The result of all required analysis iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form. iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.		proponent agreed to retain all the records of monitoring activities including records of calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation for atleast 3 years.
11	Reporting of Monitoring Results:- Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report online to the Board.	Complied. As our plant is Zero Discharge plant, we have provided flow meter and web camera for online monitoring. Link of the same have already been shared to ERC MPPCB.	As per the records furnished during the site visit, it was noted that all the monitoring related information is being submitted to MPPCB regularly through XGN website. Further, it was also observed that the unit is achieving zero liquid discharge.
12	Limitation of discharge of Hazardous Substance in harmful quantities:- The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this	Complied. We are not discharging any hazardous substance outside plant. We are maintaining the ZLD plant at all the time.	During the site visit, it was observed that no oil or hazardous substances are being discharged into the natural water course, i.e., Khirna Nallah.

	Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.		
13	Limitation of visible floating solids and foam: During the period beginning date of issuance, the applicant shall not discharge floating solids or visible foam.	Complied. No floating solids are being discharged.	During the site visit, no floating solids or foam were seen discharged from the plant premises.
14	Disposal of Collected Solid- All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, shell fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to water body habitat.	Complied. We are following the all the rules issued time to time by MoEFCC/CPCB/ MPPCB.	As per the manifest records furnished during the site visit, it was noted that used oil generated from the plant premises is being disposed to authorized recycler namely, M/s. National Chemicals, Hisar.
15	Provision for Electric Power Failure- The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent	Complied. We have 03 Nos DG set of 1500 KVA for emergency power supply.	During the site visit, it was observed that 3 Nos. of DG sets of capacity 1500 KVA have been provided as emergency power back up.
16	Prohibition of Bypass system- The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except : i. where unavoidable to prevent loss of life or severe property damage, or ii. Where excessive storm drainage or run off	Complied.	No diversion or by-pass of effluent was observed at site at the time of site inspection. However, Project proponent agreed to comply with the contents of the stipulated condition.

	would damage any facilities necessary for compliance with the terms and Conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.		
17	Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.	We are submitting compliance through XGN.	As per the records furnished during the site visit, the compliance to the consent condition is being uploaded on XGN portal on an annual basis.
18	Industry shall comply all the conditions as mentioned in the Charter on Corporate Responsibilities for Environment Protection issued by CPCB during March, 2003.	Being complied.	As per the records furnished during the site visit and the site observations thereof, the project proponent is seen complying all the applicable conditions as mentioned in the Charter on Corporate Responsibilities for Environment Protection issued by CPCB during March, 2003, the details of which are as follows: • The unit is complying latest emission norms of 50 mg/Nm³ w.r.t. particulate matter • In accordance with the latest directions from CPCB, the unit agreed to comply with the NO_x and Sox emissions by December, 2022 and December, 2024, respectively. • Opacity meters have been installed in all the stacks.

			• An agreement was made with SECL for disposal of ash in abandoned coal mines of SECL. • Dry ash is being provided to users free of cost • Lean phase ash slurry disposal is being practiced
19	The effluent will be treated in ETP and be used in ash slurry preparation, dust suppression and plantation. The domestic effluent of plant and colony will be treated through sewage treatment plant and will be used within factory premises. Zero discharge condition shall be maintained.	Complied. Treated effluent are being used by the company in dust suppression, watering plantation etc.	ETP (3600 KLD) and STP (100 KLD) is functional at site for treatment of trade effluent and domestic sewage and perusal of the test reports of treated effluent and treated sewage reveal that all the monitored parameters are complying the stipulated norms. As per the records furnished during the site visit, it was observed that the treated effluent is being reused for dust suppression at CHP, AHP and greenbelt and it was observed that no effluent is being discharged outside the plant premises.
20	Industry shall provide adequate facility for the treatment of industrial (including the bleed from boiler house) and domestic waste water to ensure that the treated effluent quality meets the standards prescribed by M. P. Pollution Control Board published in notification of Govt. of M. P. Gazette dated: 25/03/88.	Complied. All the said facilities are provided by the company.	ETP (3600 KLD) and STP (100 KLD) is functional at site for treatment of trade effluent and domestic sewage and perusal of the test reports of treated effluent and treated sewage reveal that all the monitored parameters are complying the stipulated norms.

21	Industry shall maintain closed cycle system with cooling tower. All the cooling towers blow down shall be reuse in firefighting, service water, coal handling plant and ash handling. As per the MoEF&CC Notification dated 7 th December 2015, the unit shall have to comply with the specific water consumption limits not exceeding 3.5 m ³ /MWh.	Complied. Specific water consumption is about 2.20 m ³ /MWhr. Latest water consumption report is attached as Annexure-4 .	Closed cycle cooling system is in practice at the unit. Cooling tower blow down is being reused in fire fighting, dust suppression at coal handling and ash handling areas. As per the records submitted to CPCB and made available during the site visit, it was noted that Specific water consumption is around 2.20 m ³ /MWhr.
22	Industry shall conduct regular monitoring of surface water quality in the area and record shall be maintained.	Complied. Reports are being submitted to MPPCB/MoEFCC. Latest reports are attached As Annexure-5 .	As per the test reports (as monitored by NABL accredited laboratory) furnished during the site visit, it was noted that monitoring is being carried out at the upstream and downstream of KhirnaNallah and River Sone on a six-monthly basis.
23	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers in the vicinity of ash pond site.	Complied. Reports are being submitted regularly.	During the site visit, it was observed that three nos. of piezometers have been installed in the ash pond area for monitoring of ground water level and quality.
25	Fly ash shall be collected in dry form and that the storage facility (silo) of fly ash should be at least for one day. Unutilized fly ash shall be disposed off in the ash pond in the form of high concentration slurry disposal. Industry shall also monitor mercury and other heavy	Complied. Fly ash test report is attached as Annexure-6 .	As per the records furnished during the site visit, it was noted that fly ash silo of capacity of 5000 TPD was installed for handling dry fly ash generated in one day. In the event of

	metals (As, Hg, Cr, Pb etc.) in the bottom ash as also in the effluents from the ash pond. Ash can be disposed off in low lying area/ mine for void filling only after obtaining prior permission from the Board as per the CCA amendment granted vide CCA Amendment – AWH-49892 outward no. 100127 dated 31/03/2020.		under utilization of fly ash, fly ash is being utilized for filling of low lying areas within the factory premises as well as other areas outside the plant area, with due approval of MPPCB. It was also noted that the Project proponent is also in the process of obtaining permission w.r.t. disposal in mine voids of SECL. Part of the utilized fly ash is also being disposed in the ash pond located within the plant premises. As per the test report furnished during the site visit, mercury and other heavy metals like As, Hg, Cr, and Pb are being monitored on a six-monthly basis in the bottom ash and also in the effluents from the ash pond.
26	Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate take place at any point of time. Ash pond water shall be re-circulated and utilized in the process or other beneficial purposes in the plant	Complied. LDP liner is provided during ash pond construction.	As per the documentary evidences furnished during the site visit and the site observations thereof, it was noted that the ash pond is lined with HDPE lining. Ash pond water is being re-circulated and reused in the bottom ash hydrobins.
27	Water table depletion study in and around the project area shall be carried out by the project. All possible efforts including rainwater harvesting to recharge ground water shall be taken up for the ground water enrichment in consultation with the Central Ground Water Authority.	Complied. Hydrogeological study being reviewed annually by third party. Rainwater harvesting system has been implemented.	As per the records furnished during the site visit, it was noted that hydrogeological study in and around the project area is being carried out annually by a third party agency

			namely, M/s. EMTRC Ltd., Ghaziabad. During the site visit, it was observed that rain water harvesting structures are in place within the plant premises.
28	The industry shall explore the possibility for construction of new ash pond as per requirement. It should also utilize abandoned mines of S.E.C.L for the disposal of fly ash after due process under prior permission from the Board and as per the provisions of the guidelines published by CPCB	We have signed MOU with SECL for filling ash in sharda mine. Some permission for ash filling in low lying area has also been issued by MPPCB.	As per the records furnished during the site visit, it was noted that an MOU was signed with SECL for filling of ash in Sharda mine and prior permission from MPPCB is being sought in this regard. CTE was obtained in this regard and CTO is process.
CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981			
01	The applicant shall provide comprehensive air pollution control system consisting of control equipment's as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-	Online AAQMS and CEMS are provided and being maintained / operational. All the applicable parameters are well within the limit.	Electrostatic precipitators along with bi-flue stack of 275 m height has been provided with each of the 600 MW unit of the power plant. Stack of 30 m has been provided with 3 DG sets of 1500 KVA capacity each. As per the CEMS records verified at the time of site visit, it was observed that the stack emissions from the power plant are complying the stipulated norms of MPPCB. During the site visit, it was also observed that the project proponent is maintaining the online and offline records of stack monitoring. Test reports related to stack monitoring of stacks attached to

						boilers and DG sets as obtained from NABL accredited laboratory reveal that all the monitored parameters are well within the stipulated standards. For SO2 control, civil work of FGD installation is currently in progress and project proponent informed that the commissioning of FGD will be well ahead of the deadline of Dec., 2024.
	Name of Section	Capacity	Stack Height	Fuel		
	Boiler	2060 TPH	275 m	Coal		
	D.G. Sets	1500 KVA x 3	30 m	Diesel		
	Name of Section	Prescribed Limit	Air pollution control equipment		For SO2 controlling, FGD installation is in progress. Time to install FGD has been extended till December 2024 as our plant comes under category C of MoEFCC notification.	
	Boiler	PM - 50 SO _x - 200 NO _x - 450 Hg - 0.03 Unit: mg/Nm ³	Multiclone (4-stage cyclone separator) ESP >99.9% efficiency Low NOx Burners			
	DG Sets	PM - 75 NO _x - 710 ppm HC – 150 CO – 150	Acoustic enclosure for noise Type approval test for emissions Stack height – 30 m Sulphur in fuel: <2%			
02	Ambient air quality at the boundary of the industry / unit premises shall be monitored and reported to the Board regularly on quarterly basis. The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:				03 Nos online Ambient air quality monitoring systems have been provided. Third party monitoring also done frequently. Values of monitored parameters were found well within	During the site visit, it was observed that the project proponent is maintaining the records of ambient air quality monitoring being undertaken at 3 locations. Test reports related to

	a. Particulate Matter (<10 micron) - 100 µg/m ³ (24 h basis) b. Particulate Matter (<2.5 micron) - 60 µg/m ³ (24 hrs. basis) c. Sulphur Dioxide [SO ₂] (24 h Basis) - 80 µg/m ³ d. Nitrogen Oxides [NO _x] (24 h Basis) - 80 µg/m ³ e. Carbon Monoxide [CO] (8 h Basis) - 2000 µg/m ³	the limits.	ambient air quality monitoring as obtained from NABL accredited laboratory namely, M/s. EMTRC Ltd., Ghaziabad reveal that all the monitored parameters are well within the stipulated standards.
03	The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.	Complied. Ambient noise within the company is well within the limit.	During the site visit, it was observed that the project proponent is maintaining the records of noise monitoring being undertaken at 6 locations. Test reports related to ambient air quality monitoring as obtained from NABL accredited laboratory reveal that noise levels are well within the stipulated standards.
04	The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.	Necessary arrangement has been provided to control fugitive emission. 19 Nos mist guns have been provided at CHP/AHP area. 09 Nos have been procured and 10 Nos hired from M/s Mahabal. Photo of mist guns is attached as Annexure-7 .	During the site visit, it was seen that the project proponent had installed mist guns and water sprinkling arrangements have been made in the coal handling and ash handling areas.
05	All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.	We are maintaining the fugitive emission within the limits. Watering being done at all the internal road. Regular cleaning through manpower and sweeping machine is being done. Photo of sweeping machine is attached as Annexure-	During the site visit, no leakages, spillages were observed in the plant premises.

		8.	
06	The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises.	Complied. There is no odour problem in our industry.	During the site visit, no odor problem was observed.
07	All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.	Complied. The entire internal roads have been made pucca. Good housekeeping is maintained.	During the site visit, it was observed that all the internal roads are completely paved and maintained good housekeeping.
08	Industry shall take effective steps for extensive tree plantation of the local tree species within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition.	Complied. About 2.35 Lakhs sapling planted in the company. Survival rate is 80%.	During the site visit, it was observed that peripheral greenbelt is adequately developed. As greenbelt development is a continuous process, the project proponent may undertake plantation in areas like capped area of ash pond, etc.
09	Dry fly ash collection system shall be installed for regular disposal of fly ash in dry form. Fly ash and bottom ash generated during the process shall be utilized as per the provisions of Fly Ash Notification for beneficial uses such as brick making, road construction, cement making etc.	Complied. Our fly ash utilization is greater than 100% from last four year.	Adequate provisions are made for collection of dry fly ash and its disposal. Fly ash and bottom ash generated during the process is being utilized as per the provisions of Fly Ash Notification for beneficial uses such as brick making, road construction, cement making etc.
10	Industry shall operate and maintain the air pollution control equipment at all points of emission as per the action plan submitted to the Board and shall ensure that these are always kept running and in good working order all the time. In case of any failure it shall be immediately rectified or some alternate arrangements shall be made.	Complied. All the pollution control system are being maintained operational all the time.	All the requisite air pollution control measures are in place. Electrostatic precipitators along with bi-flue stack of 275 m height has been provided with each of the 600 MW unit of the power plant. Stack of 30 m has been

			provided with 3 DG sets of 1500 KVA capacity each. As per the CEMS records verified at the time of site visit, it was observed that the stack emissions from the power plant are complying the stipulated norms of MPPCB. During the site visit, it was also observed that the project proponent is maintaining the online and offline records of stack monitoring. Test reports related to stack monitoring of stacks attached to boilers and DG sets as obtained from NABL accredited laboratory reveal that all the monitored parameters are well within the stipulated standards. For SO₂ control, civil work of FGD installation is currently in progress and project proponent informed that the commissioning of FGD will be well ahead of the deadline of Dec., 2024 as per CPCB directions.
11	Industry shall have to provide adequate pollution control arrangement at all points and non-point sources. Suitable air pollution control equipment shall be installed for the control of fugitive emission during the handling/ transportation of raw material and fly ash etc.	Complied. Industry have installed suitable pollution control equipment at all the source. There is no fugitive emission at any point of source. ESP, DE System, Water spray system, Mist guns etc. are provided.	Electrostatic precipitators along with stack of 275 m height has been provided with each of the 600 MW unit of the power plant. Stack of 30 m has been provided with 3 DG sets of 1500 KVA capacity each. As per the CEMS records verified at the time of site visit, it was observed that the stack emissions from the power plant are

			complying the stipulated norms of MPPCB. During the site visit, it was also observed that the project proponent is maintaining the online and offline records of stack monitoring. Test reports related to stack monitoring of stacks attached to boilers and DG sets as obtained from NABL accredited laboratory reveal that all the monitored parameters are well within the stipulated standards. For SO₂ control, civil work of FGD installation is currently in progress and project proponent informed that the commissioning of FGD will be well ahead of the deadline of Dec., 2024. Fly ash and bottom ash transporting vehicles are completely covered.
12	Industry shall get agreement done with cement manufacturing units ensure complete utilization of generated fly ash, copies of such agreements shall be submitted to MPPCB.	Complied. We are supplying fly ash to cement industries. Copies of agreements have already been submitted. About 100 bulkers are coming daily for ash evacuation.	As per the records furnished during the site visit, it was noted that fly ash is being sent to cement industries and copies of the agreements are being submitted to MPPCB.
13	Ash and sulphur contents in the coal shall not exceed 34% and 0.5% respectively at any given time.	Being maintained. Now, MoEFCC has allowed using coal having more than 34 ash content. Restriction of ash% in coal has been taken back.	As per the updated notification from MoEFCC, the restriction on utilization of coal with less than 34% ash content is withdrawn. Perusal of the test reports related to coal quality reveal that the sulphur content is well below 0.5%.

14	Continuous automatic monitoring system and opacity meter shall be installed for monitoring of emission level of particulate matter, oxides of sulphur and nitrogen both in the ambient air and in the stack. Permanent ambient air monitoring stations, in all the directions shall be constructed.	Complied. We have CEMS for PM, SO2 and NOX emission monitoring.	During the site visit, it was observed that one no. of continuous ambient air quality monitoring station was installed. Continuous emission monitoring stations were installed in 02 nos. of stack. During the site visit, it was observed that the project proponent is maintaining the online and offline records of ambient air quality monitoring and stack monitoring. Test reports related to monitoring as obtained from NABL accredited laboratory reveal that all the monitored parameters are well within the stipulated standards.
15	Real-time online continuous air monitoring system shall be installed with dedicated network sharing with MPPCB and CPCB.	Complied. Online data being shared with MPPCB and CPCB.	During the site visit, it was observed that 1 no. of Continuous ambient air quality monitoring station was installed within the plant premises and the data is being transmitted to MPPCB and CPCB server.

16	Industry shall install adequate dust extraction and dust suppression system to control fugitive emissions from the crushing house, dumper, conveyor belt, moving vehicles, pneumatic compressors, raw material handling and other vulnerable dusty areas.	Complied. DE system at CHP/AHP, DFDS at wagon tippler, plain water spray system at coal yards have been installed and operated. Water sprinkling on road also being done to control fugitive emission. In addition to above 19 no's mist guns have been provided at dusty area.	Dust extraction system comprising of bag filters have been installed at CHP/AHP. Dry fog dust suppression system at wagon tippler and plain water spray system at coal yards have been installed.
17	The industry shall have to ensure compliance of the directions issued by CPEB under section 5 of the EP Act, 1986 vide letter No. B-33014/07/2017-18/IPC-II/TPP/15902, 11/12/17 regarding compliance of emission standards pertaining to PM, SOx&NOx . FGD shall have to be installed within the time limits specified for the boilers. Immediate measures shall be taken by installation of low NOx burners, providing Over Fire Air (OFA) etc. for progressive reduction of NOx emission up to the specified limits by the year 2022. The PM emission has to be complied immediately.	FGD installation work is under progress. NOX emission and PM emission are within the control. FGD will be installed by year 2024.	All the requisite air pollution control measures are in place. Electrostatic precipitators along with bi-flue stack of 275 m height has been provided with each of the 600 MW unit of the power plant. Stack of 30 m has been provided with 3 DG sets of 1500 KVA capacity each. As per the CEMS records verified at the time of site visit, it was observed that the stack emissions from the power plant are complying the stipulated norms of MPPCB. During the site visit, it was also observed that the project proponent is maintaining the online and offline records of stack monitoring. Test reports related to stack monitoring of stacks attached to boilers and DG sets as obtained from NABL accredited laboratory reveal that all the monitored parameters are well within the stipulated standards. For SO2 control, civil work of FGD

			installation is currently in progress and project proponent informed that the commissioning of FGD will be well ahead of the deadline of Dec., 2024 as per CPCB directions.
18	Coal transportation to the plant site shall be undertaken by rail and road transportation shall be minimized. All the internal roads should be made pucca and good housekeeping practices shall be adopted.	Complied fully. Good housekeeping is being maintained. We have ordered for additional sweeping machine. Copy of order is attached as Ammexure-9 .	During the site visit, it was observed that the coal transportation is being undertaken by rail. All the internal roads were made pucca and good housekeeping practices are being adopted.
19	The industry shall install CAAQMS stations at suitable locations to monitor ambient air quality in the leased area and its vicinity and shall provide its suitable unhindered connectivity with Environment Surveillance Centre of the MPPCB and transmit the data within 3 months' time.	Complied. CAAQMS are connected with CPCB/MPPCB server.	During the site visit, it was observed that 1 no. of Continuous ambient air quality monitoring station was installed within the plant premises and the data is being transmitted to MPPCB and CPCB server.
20	The industry shall regularly operate industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom (PTZ) Camera with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of emission source and effluent discharge points. Mine management shall establish suitable connectivity of IP-Camera with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose.	Already provided. Credential have been shared with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose	During the site visit, it was observed that a PTZ camera was already installed for monitoring of emission source and effluent discharge point as per norms for remote surveillance and the data is being transmitted to MPPCB.
21	Separate environmental laboratory with sufficient no's of qualified environmental chemists and other monitoring staffs will be established for testing of air quality, water quality and other environmental parameter. Microbiological testing facility	Environment cell has been established for testing of air and water quality.	During the site visit, it was observed that an environmental laboratory is provided at site for monitoring of air quality, water quality and other

	of water shall be ensured in environmental lab or should be regularly got tested from the lab of the Regional Office of the MPPCB Shahdol or NABL accredited lab, and report be submitted to the Board.		environmental parameters in addition to the third party monitoring being undertaken by NABL accredited laboratory namely, M/s. EMTRC Ltd., Ghaziabad.
22	The transportation roads inside the campus shall be metalled or suitable measures shall be taken of regular water sprinkling through fixed type sprinklers so as to avoid dust generation. Similarly the flyash in the ash pond should be kept wet all the time and necessary arrangements of sprinklers shall be made.	We have concreted road in side plant. Watering being ensured to control fugitive emission.	Transportation roads inside the plant premises are completely metalled and regular water sprinkling is being done through water tankers. Water sprinkling arrangement has been provided in the ash pond for suppressing fugitive dust.
General conditions			
MANAGEMENT & DISPOSAL OFFLY ASH			
01	The industry management shall ensure all the compliances regarding disposal and utilization of fly ash from its TPP as stipulated in MoEF&CC notifications no. S.O. 763(E) dt 14/9/99 and its amendments vide notification no. S.O. 979(E) dt 27/8/03, S.O. 2804(E) dt 03/03/09 & S.O. 254(E) dt 25/1/16.	Complied. Ash utilization is more than 100% from last 4 year.	As per the records furnished during the site visit, it was noted that the project proponent is complying the contents of the stipulated condition by utilizing ash in cement plants, brick manufacturing, filling in low lying areas, etc.
02	For ensuring free delivery of fly ash within the radius of 100 km and up to 300 km radius to the prospective users as per respective clauses 2(10) & 2(14) of the Fly ash Notification, the industry management shall procure / make provision of the Bulklers / closed transport vehicles under its control to ensure fast and quick delivery of fly ash.	Being complied fully.	As per the records furnished during the site visit, financial assistance is being provided for transportation of flyash from the plant to the prospective end users.
03	The industry management shall keep / maintain and update the record of all the prospective users of fly ash within the radius of 100 km, keep constant liaison with them, provide fly ash to them in a timely manner and will submit 3 monthly	Fly ash utilization record is maintained. We doing best efforts for fly ash use resulting ash utilization has been achieved 100%.	As per the records furnished during the site visit, it was noted that the unit is keeping the records of all

	compliance report to the Board.			prospective fly ash users and a report in this regard is being submitted to MPPCB.						
04	Industry shall submit concrete time bound action plan for utilization of fly ash in compliance of fly ash notification as amended up to date. Other alternatives like setting up of clinker grinding unit, encouragement of ancillary units for ensuring use of fly ash for other building products. Dry fly ash collection system shall be installed for regular disposal of generated fly ash in dry form. The filling of low lying area inside the premises shall be undertaken strictly in accordance with the prior permission obtained from MPPCB.		We have dry fly ash collection system ash silos 5 Nos having capacity 1000 MT each. We are using ash in cement plant, bricks plants, low lying areas etc.	Time bound action plan for utilization of flyash has been submitted to MOEFCC, New Delhi. Adequate provisions are made for collection of dry fly ash and its disposal. Fly ash and bottom ash generated during the process is being utilized as per the provisions of Fly Ash Notification for beneficial uses such as brick making, road construction, cement making etc. As per the records furnished during the site visit, prior permission from MPPCB is being sought with respect to disposal of ash in low lying areas.						
05	The non-hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required. Non Hazardous Solid wastes:- <table><tr><td>Type of waste</td><td>Quantity</td><td>Disposal</td></tr><tr><td>Scrap/ Plastic packing material wood, card board, gunny bags etc</td><td></td><td>Sale to authorized party/As Per CPCB, MoEF Guide lines / Others.</td></tr></table>		Type of waste	Quantity	Disposal	Scrap/ Plastic packing material wood, card board, gunny bags etc		Sale to authorized party/As Per CPCB, MoEF Guide lines / Others.	Complied.	As per the records furnished during the site visit, it was noted that non-hazardous solid waste like Scrap/ Plastic packing material wood, card board, gunny bags etc. is being sold to authorized agencies as per CPCB/ MoEF Guide lines / Others.
Type of waste	Quantity	Disposal								
Scrap/ Plastic packing material wood, card board, gunny bags etc		Sale to authorized party/As Per CPCB, MoEF Guide lines / Others.								
06	The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials: a. To inspect raw material stock, manufacturing		Agreed. We are always allowing the staff of MPPCB/CPCB.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.						

	processes, reactors, premises etc to perform the functions of the Board. b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent. c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent. c. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or, e. To sample at reasonable times any discharge or pollutants.		
07	This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner /partner /Directors /proprietor should immediately apply for the same.	Agreed.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.
08	The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.	Agreed.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.
09	Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non-functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month	Complied.	Separate electric metering arrangement for running of pollution control devices was in place and records in this regard is being submitted to MPPCB on a monthly basis.
10	This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization	Agreed.	During the site visit, Project proponent agreed to comply with the contents of

	under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.		the stipulated condition.
11	Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.	Agreed.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.
12	The applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent/authorisation	Agreed.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.
13	The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31 st March on or before 30th September every year to the Board.	Complied.	During the site visit, it was noted that an environmental management cell under the supervision of Unit Head and comprising of technically qualified environmental personnel is in place at the unit level. As per the records furnished during the site visit, annual environmental statement is being submitted to all the concerned authorities on an annual basis.
14	Industry shall obtain membership of Emergency Response Center of the Board, if needed.	Will be complied. We are in process to take membership.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.
15	Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.	Agreed.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.
16	After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:	Agreed.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.

	(a) Violation of any terms and conditions of this Consent. (b) Obtaining this Consent by misrepresentation or failure to disclose fully all relevant facts. (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.		
17	On violation of any of the above-mentioned conditions the consent granted will automatically be taken as cancelled and necessary action will be initiated against the industry.	Agreed.	During the site visit, Project proponent agreed to comply with the contents of the stipulated condition.

As evident from the point-wise observations of the Joint committee against each of the conditions stipulated in the consent to operate issued by MPPCB vide letter dated 13.05.2021, the overall compliance of the consent conditions is found to be satisfactory except for the installation of Flue-Gas Desulphurization unit, which is currently in progress in accordance with the time line set by the MOEFCC, i.e., Dec., 2024.