

Item No. 05

(Court No. 1)

**BEFORE THE NATIONAL GREEN TRIBUNAL**

(By Video Conferencing)

Original Application No. 607/2018

Vinod Kumar Jangra

Applicant

Versus

State of Haryana & Ors.

Respondent(s)

Date of hearing: 26.10.2021

**CORAM: HON'BLE MR. JUSTICE ADARSH KUMAR GOEL, CHAIRPERSON  
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER  
HON'BLE MR. JUSTICE BRIJESH SETHI, JUDICIAL MEMBER  
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER**

Applicant : Mr. Raj Kumar, Advocate

Respondent(s): Mr. Anil Grover, Senior AAG with Mr. Rahul Khurana, Advocate  
for HSPCB

**ORDER**

1. The issue for consideration is the remedial action for enforcement of the environmental norms under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 by the stone crushers in District Charkhi Dadri, Haryana. According to the applicant, as per the RTI response of Haryana State PCB, dated 18.06.2019, 260 stone crushers are in operation in the District Charkhi Dadri. According to the applicant, the environment does not have capacity to sustain the same, resulting in air and water pollution beyond norms, adversely affecting the environment and public health. We note that in view of subsequent reports, noticing the violations, scope of these proceedings has to extend to District Bhiwani also.

2. The matter was earlier considered on 05.09.2019 in the light of the report of the Chief Secretary, Haryana dated 02.08.2019 to the effect that action was taken against nineteen (19) non-compliant stone crushers and action was in process against twelve (12) more non-compliant stone crushers. The Tribunal found that the action taken was not adequate as admitted violation of norms of air quality was continuing and there was no adequate monitoring mechanism to enforce right of citizens to clean environment. Accordingly, the Tribunal directed the Chief Secretary, Haryana to take further action for enforcement of law for protection of environment and public health. The Tribunal also directed the Central Pollution Control Board (CPCB) to constitute a three-member team to give a composite report on the subject of air pollution and compliance of siting criteria. The Tribunal also directed establishment of air quality monitoring stations and to assess efficacy of pollution control devices by the stone crushers. The operative part of the order is as follows:

*“3. The report of the Chief Secretary dated 02.08.2019 is that the matter was taken up with the Deputy Commissioner and the State PCB who reported that action has been taken against illegal and non-compliant stone crushers. Nineteen stone crushers were closed and action against twelve was in process. **The report does not appear to be based on correct information in view of what has transpired during the course of hearing today. Even the officer of the State PCB from the ground level, who claims to have recently joined, has admitted that there is air pollution and no monitoring mechanism nor any monitoring equipment in the area.***

*4. In view of above, the Chief Secretary may take action against the persons giving false information and ensure that ground level action is taken to monitor the air quality and preventing pollution. **For the purpose, carrying capacity assessment of the area may be done and credible monitoring mechanism established which does not appear to be in existence at this moment. The polluting activities may be closed, prosecution initiated against the polluters and environmental compensation assessed and recovered. The siting criteria should also take care of inter-se location apart from distance from the habitation.** These steps are necessary for enforcement of law as well as public health of the inhabitants suffering from air pollution.*

*Further compliance report may be filed by the Chief Secretary before the next date of hearing.*

*5. We also direct the CPCB to constitute a three-member team to visit the area and give composite report on the subject of air pollution as well as siting of the stone crushers and their approximate numbers. The CPCB may direct establishment of sufficient number of air quality monitoring stations at suitable locations and review the effectiveness thereof at the suitable intervals. Existence and efficacy of pollution control devices of individual stone crusher may also be assessed. Online computerized continuous air quality monitoring stations may be set up wherever necessary. The Deputy Commissioner, Charkhi Dadri may extend all necessary help to the team of CPCB. The Superintendent of Police may provide necessary security for the purpose. The State PCB may also provide such assistance as may be necessary.”*

3. The matter was then considered on 19.08.2020 in the light of the reports of CPCB and Chief Secretary, Haryana, which clearly depicted serious violations of environmental norms and inadequacy of the action taken. The Tribunal accordingly constituted a seven Member joint Committee comprising three members team of CPCB (senior level), Member Secretary, State PCB, Member Secretary, SEIAA, Haryana, Divisional Forest Officer, Charkhi Dadri and the Additional District Magistrate, Charkhi Dadri. The observations in the order are:-

*“1to3...xxx.....xxx.....xxx*

*4. Accordingly, reports have been filed by the CPCB (dated 12.02.2020 and 16.07.2020) and the Chief Secretary, Haryana (dated 13.07.2020 and 17.08.2020), apart from a report by the State PCB. It is not necessary to refer to the report of the State PCB, as the said report is covered by the reports of the Chief Secretary.*

*5. It will be suffice if we take up the latest of the two reports which have been submitted by the CPCB and the Chief Secretary. **The report of CPCB dated 16.07.2020 is that out of 320 stone crushers, 143 were operational during the visit. 88 stone crushers were not operational. 76 stone crushers were found closed permanently. 13 stone crushers were found non-existing. Out of 143 operational units, 19 were found exceeding the production capacity. Out of 88 non-operational units, 14 units were found exceeding the consent production capacity. The CPCB has given information with regard to status of dust containment systems in the form of covered sheds and water sprinklers, wind breaking walls and telescopic chutes to contain fugitive emissions, metaled/pucca roads within the premises, green belt***

**development and status of permission from CGWA for extraction of ground water.** Overall observations with regard to pollution control measures in the report are:

- i. As per the survey/inspection of 320 stone crushing units, 143 units were found operational, the list given at **Annexure-III**. Out of these 143 units,
  - a. all units have valid consents from HSPCB.
  - b. **19 units were found exceeding the consented production capacity.**
  - c. all units have provided the sheds covering all process equipments for the dust containment.
  - d. **5 units have not provided the minimum number of water sprinklers (i.e. 50 nos.) for dust suppression.**
  - e. **10 units were found not having wind breaking walls of appropriate height as per the specifications prescribed in the notification dated 11.5.2016.**
  - f. 58 units were found either without telescopic chute or had telescopic chutes with the product release point less than 2 feet below the height of wind breaking wall.
  - g. **58 units have not provided or maintained metaled/pucca roads within the premises.**
  - h. **120 units have applied for NOC to CGWA for ground water extraction, 2 units were found operating without applying NOC, while the remaining 21 units were operating with external water supply i.e. water supplied through tankers.**
  - i. **17 units were found not maintaining the logbooks of production details.**
  
- ii. As per the survey/inspection of 320 stone crushing units, 88 units were found nonoperational during visit, the list given at **Annexure-IV**. Out of these 88 units,
  - a. 1 unit does not have valid consents from HSPCB.
  - b. **14 units were found exceeding the consented production capacity.**
  - c. 1 unit has not provided the sheds covering all process equipments for the dust containment.
  - d. **8 units have not provided the minimum number of water sprinklers (i.e. 50 nos.) for dust suppression.**
  - e. **28 units were found not having wind breaking walls of appropriate height as per the specifications prescribed in the notification dated 11.5.2016.**
  - f. **50 stone crushing units were found either without telescopic chute or had telescopic chutes with the product release point less than 2 feet below the height of wind breaking wall.**
  - g. **35 stone crushing units have not provided or maintained metaled/pucca roads within the premises.**
  - h. **5 units were found operating without applying for NOC to CGWA for ground water extraction.**
  - i. **15 units were found not maintaining the logbooks of production details.**

- j. Most of the stone crushing units have limited plantation comprising mostly of small sized plants. In general, the green belt development needs improvement in all the units.*
- k. As per the survey/inspection of 320 stone crushing units, 76 units were found closed/permanently closed (Annexure-V) and 13 units were not existing (Annexure-VI)."*

1. Conclusions are as follows:

## **"10.0 CONCLUSIONS**

*The Environment Department of Haryana Government vide Schedule-II of the notification dated 11.5.2016 prescribed the emission norms and pollution control measures requirement for the stone crushing units (**Annexure-II**). The observations, compliance status as well as the recommendations regarding the implementation of pollution control measures by all the stone crushing units are collated based on the survey/inspection details collected by CPCB during Jan-Feb, 2020 and same are tabulated at **Annexures-III to VI**. The units should ensure to comply with the specific measures as per the recommendations.*

*In order to improve the environmental management of stone crushing units located in district Charki-Dadri and air quality of surrounding areas, the overall recommendations, for the stone crushing units, HSPCB, State Revenue & Forest Departments, CGWA, etc. in terms of operation, consent to operate, permission for ground water extraction, pollution control measures etc. are elaborated hereunder, applicability of which may be further referred for individual stone crushing units on case to case basis.*

### **10.1 Operational and consent status:**

- a) The non-operational units should inform HSPCB before starting operations.*
- b) The units should ensure to comply with the consent conditions and not to exceed consented production capacity.*

### **10.2 Dust containment system in the form of covered sheds and water sprinklers:**

*The stone crushing units should ensure*

- a) to provide dust containment cum suppressing system for the equipments in the form of covered sheds and sprinklers in order to reduce the fugitive dust emissions.*
- b) to provide atleast 50 number of sprinklers along with the water storage facility of minimum 10 kilolitre capacity.*

- c) *to carry out cleaning and wetting of the ground within the premises, regularly.*
- d) *to provide appropriate designed spray nozzles/water sprinkling system in order to optimize water consumption vis-à-vis effective dust suppression.*

**10.3 Wind breaking walls and telescopic chutes to contain fugitive emissions:**

*The stone crushing units should ensure*

- a) *to provide the wind breaking walls in order to minimize fugitive emissions and carry-over to nearby places/areas.*
- b) *to construct wind breaking wall of atleast 50-meter length and minimum 16 feet height along with provision of telescopic chute to ensure that the crushed material from the nod is released from a point, which is atleast 2 feet below the height of the wind-breaking wall. The wall should be structurally sound and should cover the vulnerable abadi side of the crusher unit.*

**10.4 Metalled/pucca roads within the premises:**

*The stone crushing units should ensure*

- a) *to provide and maintain metalled/pucca roads within the premises in order to minimize dust generation/re-suspension due to the vehicular movement.*
- b) *to carry out adequate internal road cleaning mechanism for removing deposition of mud and dust in order to make metalled/pucca roads visible or identifiable.*

**10.5 Green belt development:**

*The stone crushing units should ensure*

- a) *to provide a green belt along the periphery having avenue plantation of two rows. Till the plantation within the premises are fully developed, the stone crushing unit should erect a barrier/barricade along the periphery to contain the dust emissions.*
- b) *to adopt scientific approach with respect to selection of species, spacing, location, numbers, etc. for green belt development.*

**10.6 Permission from CGWA for extraction of ground water:**

*The stone crushing units should ensure*

- a) *to obtain permission from CGWA for extraction of ground water.*

**10.7 Other issues:**

*10.7.1 The stone crushing units should ensure*

- a) to maintain records/logbooks for raw material consumption, production data, water consumption, electricity consumption, green belt development, etc.
- b) to set-up a display board at entrance gate for information related to name & address of the stone crushing unit, contact details, production details and environmental details.
- c) to have well-defined boundary demarcation.
- d) that all the trucks & dumpers carrying the raw material, crushed stones, sands and other material from the area should be properly covered so as to entrap the fugitive emission at source.

#### **10.7.2 HSPCB should ensure**

- a) that units to comply with the specific measures as per the recommendations.
- b) to monitor the work zone suspended particulate matter in all the units and to ensure compliance with the notified norms of 600 µg/m<sup>3</sup>.
- c) to issue "consents to operate" to stone crushing units in uniform manner, e.g. indicating production capacities in tonnes/day, product types & other details.
- d) to reflect actual quantity required/used by stone crushing units for various purposes, like dust suppression/sprinkling/ green belt development, in the consent issued to stone crushing units.
- e) to revoke the consents for permanently closed and non-existing units.
- f) to pave all approach roads, in association with the concerned departments, in the crusher zone/units in order to minimize dust generation/re-suspension.

#### **10.8 Management of Ambient Air Quality in District Charkhi-Dadri**

- a) In order to monitor the ambient air quality in Charkhi-Dadri area, HSPCB has already set-up CAAQMS at Mini Secretariat, Charkhi. HSPCB should also carry out manual ambient air quality monitoring, twice a week, at other three representative locations i.e. Power House (Pichopa Kalan), Power House (Chapar) and Police Station (Jhojhu Kalan), as identified by CPCB.
- b) In order to keep air quality within norms besides above measures for enforcement and implementation in stone crushing units, the local bodies
  - i. should be vigilant about the burning of solid waste in the area.
  - ii. should organize/arrange awareness/training programmes for stone crushing & other units, transporters, drivers and stakeholders, regularly.
  - iii. should carry out wetting of the roads, regularly.

#### **10.9 Siting of the Stone Crushing Units**

*The Revenue & Forest Departments of Haryana State should re-verify/re-certify the siting distances against all the notified eleven siting criteria, of all the stone crushing units, more accurately by employing latest technologies such as DGPS (Differential Global Positioning System) machine.”*

**2. The report of the Chief Secretary dated 17.08.2020 is that disciplinary action has been taken against a Scientist and a field officer of the State PCB for giving false information.** Teams of the State PCB inspected all the stone crushers (329). The status of units found operational, non-compliant and assessment of carrying capacity and air quality has been mentioned as follows:

*“2. Further, pursuant to the orders of NGT dated 05.09.2019, 36 teams were constituted by HSPCB vide endst. No. 3336 to 3374 dated 21.11.2019 and endst. No. 4043-4044 dated 11.02.2020, to inspect all the stone crushers of District Charkhi Dadri to check the compliance status regarding installation and adequacy of Air Pollution Control Measures i.e., wind breaking wall, covered shed, sprinkling system, metalled roads, plantation, water storage tank etc. as per the notification dated 11.05.2016 issued for stone crushers by the Environment Department, Government of Haryana,. In view of the Hon'ble National Green Tribunal directions, the teams inspected 329 Nos. of stone crushers (as per record of the HSPCB) of District Charkhi Dadri. Out of these 329 stone crushers, 116 stone crushers were nonoperational (44 stone crushers were dismantled, 36 stone crushers were found closed by themselves, 23 stone crushers were already closed by the Board, 5 stone crushers were under maintenance and 5 stone crushers were not yet established, and 3 were found abandoned.) Out of the remaining 213 stone crushers, **51 No. of stone crushers were found to be non-complying as per notification dated 11.05.2016 and were closed down by the Board. Prosecution action and Environment Compensation have been recommended against 34 units whose sample parameters were found exceeding the prescribed standards.** Till now, Environment Compensation of Rs. 1,85,50,000/- has been imposed against 15 non-complying stone crushers, out of which Rs.44,593,76/- has been recovered from 6 non-complying units. Prosecution has been sanctioned against 28 non complying stone crushing units. The Board is in the process of imposing a recovering Environment Compensation and initiating prosecution action on remaining non-complying units.*

**3. 33 No. of stone crushing units of District Charkhi Dadri were found exceeding consented production capacity.** Accordingly, Show Cause Notices were issued to these units for the said violation. The Board



has also requested Mining Officer, Charkhi Dadri to take necessary action and develop a system to check the overproduction in these units.

4. Out of 51 sealed units, 18 units have preferred appeals before the appellate authority against the closure order. To avoid any ambiguity, Appellate authority had directed HSPCB to conduct inspections afresh. The Board is conducting the inspections, afresh as per orders of the Appellate authority, and will take suitable action as per Board's policy.

5. Regarding the exercise of carrying capacity assessment of District Charkhi Dadri, the HSPCB has initiated steps and received a proposal from CSIR - NEERI, which is under process. As per information received from the HSPCB, the study will be taken up following the due procedure.

6. The HSPCB has sought the report on siting parameters from District Revenue Officers and District Forest Officers. It is learnt that the Board has also received the reports pertaining to 303 units and 202 units from Revenue Department and Forest Department respectively so far, and all of them have been found to be complying with siting norms. The rest of the cases are under process in these Departments and, action will be initiated by the Board once the same are received. As per observations of CPCB, the Board has also sought re-verification of siting parameters of 5 No. units and other units located in close vicinity of these units, from District Revenue Officer and District Forest Officer.

7. With regard to monitoring of Ambient Air Quality, the HSPCB has identified 3 different locations for installation of Ambient Air Monitoring Stations in the District. Two of these stations have been installed, (one at village Jhojhu kalan and other at village Chappar, where maximum number of stone crushers are located). Further, one CAAQMS has been installed at Mini Secretariat, Charkhi Dadri, and the results of these 3 stations for the last one month reflect moderate Air Quality Index (AQI) in District Charkhi Dadri, as observed by HSPCB.”

**3. From the above, we find that there is acknowledged violation of environmental norms and while some remedial action has been taken, it is highly inadequate. Having regard to serious adverse consequences on public health and requirement of 'Precautionary' principle under which action has to be taken even against anticipated pollution potential, there is no justification of taking 12 months for carrying capacity assessment without taking effective measures based on available data. In fact, carrying capacity assessment has to be conducted before permitting any activity having potential of pollution. Since data of background concentrations is available with the CPCB as well as the**

**State PCB, pending any further elaborate study as proposed, CPCB and State PCB may undertake a joint study based on available background concentration data of air quality preferably within three months and precautionary action may be taken to check pollution potential in the light of such study at the earliest. Compliance of siting criteria inter-se stone crushers as well as with reference to distance from habitations, educational institutions, roads, hospitals, etc. may be ensured in the interest of public health. Any polluting stone crusher operating in violation of environmental norms, including siting criteria may not be allowed to operate till compliance of law. Action also needs to be taken against grant of reckless consents/ permissions for such activities, adversely affecting public health. Compensation of deterrent nature may be assessed and recovered speedily from the law violators, by involvement of senior officers, in view of the fact that the State itself has found some of its officers not giving correct information and thus being party to violation of law.**

**4. We constitute a modified seven member joint Committee comprising three members team of CPCB (senior level), Member Secretary, State PCB, Member Secretary, SEIAA, Haryana, Divisional Forest Officer, Charkhi Dadri and the Additional District Magistrate, Charkhi Dadri. The CPCB will be the nodal agency for coordination and compliance. The said team may undertake site visits at such intervals as found necessary for inspection and give its report within three months by e-mail at [judicial-ngt@gov.in](mailto:judicial-ngt@gov.in) preferably in the form of searchable PDF/OCR Support PDF and not in the form of Image PDF. Action may also be forthwith taken by the State PCB for stopping illegal drawal of groundwater and recovering compensation for such illegal extraction so far, in the light of judgment of this Tribunal dated 20.07.2020 in OA 176/2015, Shailiesh Singh vs. Hotel Holiday Regency, Moradabad & Ors. This aspect may also be covered by the joint Committee in its report. The Committee may also mention whether parameters of ambient noise level are exceeded on account of operation of such activity and if yes, action taken in that regard.”**

4. The matter was last considered on 02.02.2021 in the light of the report dated 31.01.2021, filed by the seven-Member Committee finding that there was no carrying capacity of the ambient environment to sustain the activities of the stone crushers, without adequate mitigation measures and without following the siting norms. Accordingly, the Tribunal directed remedial measures for enforcing the environmental norms and the Rule of Law. The Tribunal directed that polluting activities beyond the carrying capacity of the environment may be

stopped and only such activities may be allowed which can be sustained on the principle of Sustainable Development. The statutory Authorities were directed to exercise their jurisdiction, following due process of law.

The operative part of the order is reproduced below:-

“1 to 5..xxx.....xxx.....xxx

6. Accordingly, the seven Member Committee has filed its report dated 31.01.2021. The Committee has found that there was no carrying capacity of the ambient air environment to sustain the activities of the stone crushers, particularly in absence of adequate mitigation measures and following of siting norms. The observations and recommendations of the Committee are reproduced below:-

**“2.3.1. Observations made by the Joint Committee during site visits**

*The following are the main observations made by the Joint Committee during site visits w.r.t various environmental norms:*

- i. Out of 14 stone crushing units visited by the Joint Committee on 29.09.2020 and 30.09.2020, it was observed that 06 stone crushing units were not meeting the prescribed siting norms notified by notification dated 11.05.2016 and hence it was decided to get the siting norms verified for all the stone crushing units, from the concerned agencies.***
- ii. In general, the approach roads to the crusher zones were not maintained, which contribute towards re-suspension of particulate matter during movement of vehicles and deterioration of ambient air quality of the area.***
- iii. Sprinkling of water within the premises and surrounding area was found to be inadequate during visit.***
- iv. None of the Units were found to be complying with the condition of the Consent to Operate granted by State Pollution Control Board w.r.t green belt development, as a dust control measure. Further, none of stone crushing has obtained approval of the Green Belt Development Plan, from the Forests Department, as mandated in the notification issued by the State Government.***
- v. Poor maintenance of the metalled/pucca roads within the premises of individual stone crushing units.***
- vi. In general, there is no demarcation of boundary of the stone crushing units. Distance between two stone crushing units at many places, was observed to be***

***inadequate to disperse the dust particles, leading to overall visibly very high dust in the area.***

*Since the State Pollution Control Board is mandated to grant consent to operate and ensure the compliance of the conditions of the consent to operate, the members representing the State Pollution Control Board were requested by the Joint Committee to provide the status of the compliance of the conditions of the consent to operate and the action taken against the unit not complying with the prescribed norms, as directed by Hon'ble NGT.*

### ***2.3.2 Estimation of the Carrying Capacity of the Ambient Air Environment of District Charkhi Dadri***

*It was directed by Hon'ble NGT to undertake a joint study based on the available background concentration data of air quality. Accordingly, the following approach was followed for estimating the carrying capacity of ambient air environment in the District Charkhi Dadri:*

*a. The atmospheric mixing height in the District Charkhi Dadri lied between 117 to 850 meters. The 90 percentile value which is majorly dominant during the study period is 691 meters and accordingly this value was used to calculate the volume of the ambient air in the district, as a product of atmospheric mixing height and the area of the district under reference.*

*b. The concentration of PM<sub>10</sub> in ambient air was found to be varying between 26 to 466 pg/m<sup>3</sup>. The 90 percentile value which is majorly dominant during the study period is 265 pg/m<sup>3</sup> and this value was used to calculate the total load of PM<sub>10</sub> load in the district, as a product of predominant PM<sub>10</sub> particulate matter concentration and volume of the ambient air upto mixing height, in the district.*

*c. The national ambient air quality standard (NAAQS) for PM<sub>10</sub> i.e. 100 pg/m<sup>3</sup> and when multiplied by the volume of air in the district, it provided the average assimilative capacity of the district for the study period.*

*d. Supportive carrying capacity of the district was computed by taking the difference of assimilative carrying capacity of the area & total estimated load of PM<sub>10</sub> in the district.*

*e. Similarly, the Joint Committee made an estimation of the season-wise supportive capacity. However, in view of the fact that CAAQMS started working only w.e.f. 04/03/2020, the data for winter season was not available.*

*The carrying capacity assessment of ambient air environment, of District Charkhi Dadri as estimated by the Joint Committee based on the available data of Continuous Ambient Air Quality Monitoring Station (CAAQMS) located in*

the district, for time period of 250 days i.e. 04.03.2020 to 08.11.2020 for the predominant air quality parameter i.e. PM<sub>10</sub>, is as follows:

<b>Particulars</b>	<b>Values</b>	<b>Summer Season</b>	<b>Monsoon Season</b>	<b>Post Monsoon Season</b>
Area of District (km <sup>2</sup> )	1370	1370	1370	1370
Mixing height (km)	0.691	0.745	0.672	0.643
Volume of air in the district	946	1021	921	882
PM <sub>10</sub> (pg/m <sup>3</sup> )	265	246	177	409
Total Estimated load of particulate matter in ambient air in the district in a study period	250815	251508	162671	360369
Assimilative Carrying Capacity	94647	102073	92112	88153
Supportive Carrying Capacity (kg)	-156168	-149435	-70558	-272216

**It may be concluded from the above table, as such there is no supportive capacity available in the ambient air environment with reference to PK<sup>o</sup>, in the district Charkhi Dadri.** It may require source apportionment study considering the different polluting activities in the Charkhi Dadri to assess the contribution of individual activities to propose production limits as one of the preventive measures, so as to keep the ambient air environment within assimilative capacity. However, based on the analysis of available data, Joint Committee has suggested as included in the later part of report.

### **2.3.3 Status of the compliance of the siting criteria by the stone crushing units**

The Environment Department of Haryana Government vide Schedule-I of the notification dated 11.05.2016 prescribed the norms for siting of the stone crushing units (**Annexure-II**) and the following three agencies have been mandated as per notification, for verification of the siting criteria, while granting no objection certificates:

- State revenue Department
- State Forests Department
- State Pollution Control Board (for the parameters, which are not covered by the above two agencies)

Accordingly, the task of verifying the siting criteria was assigned to the members representing the above three agencies by the Joint Committee, for arriving at conclusion, in compliance of the orders of the Hon'ble NGT.

The Haryana State Pollution Control Board after due field verification informed that **out of 330 stone crushing units, 44 units were not existing/found to be dismantled. Another, 35 units have been closed down by the board**

**for various violations. Besides, 17 units were found to have been closed down on their own.**

The following is the status of the compliance of the siting criteria provided by ADC, Charkhi Dadri (**Annexure-III**), based on the verification done by the Revenue Department:

Out of 330 stone crushing units in the list provided by the State Pollution Control Board, 241 units have been verified by the Revenue Department wherein **34 stone crushing units were found to have been established in violation of the siting norms prescribed in the notification dated 11.05.2016. The remaining 89 units are getting verified at ground level by the Revenue Department until the finalisation of this report.**

Whereas, the compliance verification report received from DFO has mentioned the compliance of the notification w.r.t relevant parameter (**Annexure-IV**). It is mandatory for the stone crushing units to get the plan for development of green belt, approved from the State Forest Department, as per notification dated 11/05/2016. However, none of stone crushing unit, has obtained approval of the Green Belt Development Plan, from the Forest Department.

#### **2.3.4 Ambient Noise Level Monitoring**

In order to assess the impact of stone crushing activities on the ambient noise levels in the Charkhi-Dadri area, ambient noise level monitoring was conducted by CPCB Team in 09 stone crushing units on 21.10.2020 and 05.11.2020. The ambient noise monitoring results are presented as below:

**Table 1: Ambient Noise Level Monitoring Results.**

<b>S. No</b>	<b>Name &amp; Address of the Stone Crushing Units</b>	<b>Product and Capacity</b>	<b>Ambient Noise Level within the premises (monitored at a distance of 5 to 10 meters from stone crusher), dB(A) <math>L_{eq}</math></b>	<b>Ambient Noise Level at boundary of Stone Crushing Unit, dB(A) <math>L_{eq}</math>*</b>	<b>Industrial Zone Noise Standard, dB(A) <math>L_{eq}</math> (Day time) as per the Noise Pollution (Regulation and Control) Rules, 2000</b>	<b>Remarks</b>
<b>1.</b>	Jai Ambey Stone Crusher, Kheri Battar	GSB (90 MTD)	78.3	72.1	<b>75</b>	---
<b>2</b>	Caps Trade Link Pvt. Ltd. Kheri Battar	10 mm, 20 mm & Dust (1200 MTD)	84.5	68.1	<b>75</b>	---

3	Diamond Stone Crusher, Kheri Battar	10 mm, 20 mm & Dust (2000 MTD)	86.7	69.2	<b>75</b>	---
4	Surya Stone Crusher, Village Pichopa Kalan	10mm, 20mm & Dust (3500 MTD)	86.2	64.8	<b>75</b>	Roller Crusher is under maintenance
5	Mahaluxmi Mines & Stone Crusher, Village Pichopa Kalan	10mm, 20mm & Dust (1100 MTD)	93	68.1	<b>75</b>	Jaw Crusher not in operation due to non-availability of raw material.
6	Dharampal Stone Crusher, Village Pichopa Kalan	10mm, 20mm & Dust (120 MID)	84.1	73.9	<b>75</b>	---
7	Shree Radhey Stone Crusher, Village Birhi Kalan	10mm, 20mm & Dust (250 MTD)	87	75.8	<b>75</b>	Exceeding the prescribed norms.
8	Mayur Stone Crusher, Village Birhi Kalan	10mm, 20mm & Dust (250 MTD)	84.6	69.5	<b>75</b>	Power cut 30 minutes before scheduled time.

As may be seen from the table the above stone crushers were meeting the ambient noise level norms at the boundary of the respective units, however, none of the stone crushing units was found to be meeting the norm of ambient noise levels when monitored at a distance of 5 to 10 meters from stone crusher, irrespective of the operational capacity.

### 2.3.5 Source Emission Monitoring

A Joint team of CPCB and HSPCB visited the site on 21/10/2020 and 05/11/2020, for source emission and ambient air quality monitoring. The survey of the area indicated that a good number of stone crushing were found be non-operational on account of maintenance as informed by the representatives of the respective units. Therefore, 08 stone crushing units which were found to be operational were selected for Source emission monitoring and the results are summarized in the following **Table 2**.

**Table 2:** Results of the Source Emission Monitoring

S. No	Name & Address of the Stone Crushing Units	Product and Capacity	Fugitive Emission at 6 meters from Source of Emission, pg/ m <sup>3</sup>			Prescribed Standards as per Environment (Protection) Rules, 1986 vide S.O. 443 (E) dated 18.04.1987
			Inward	Outward	Difference	

1.	Jai Ambey Stone Crusher, Kheri Battar	GSB(90 TPD)	3090	4111	1021	600 ug/m <sup>3</sup> from source at 3 to 10 meters
2.	Caps Trade Link Pvt. Ltd., Kheri Battar	10 mm, 20 mm & Dust(1200 TPD)	4484	4896	412	600 pg/m <sup>3</sup> from source at 3 to 10 meters
3.	Diamond Stone	10 mm, 20 mm & Dust(2000 MTD)	3393	3707	314	600 pg/m <sup>3</sup> from source at 3 to 10 meters
4.	Surya Stone Crusher, Village Pichopa Kalan	10mm, 20mm & Dust(3500 MTD)	9444	9818	374	600 pg/m <sup>3</sup> from source at 3 to 10 meters
5.	Mahaluxmi Mines & Stone Crusher, Village	10mm, 20mm & Dust(1100 MTD)	7121	7472	351	600 pg/m <sup>3</sup> from source at 3 to 10 meters
6.	Dharampal Stone Crusher, Village	10mm, 20mm & Dust(120 MTD)	1000	1454	454	600 pg/m <sup>3</sup> from source at 3 to 10 meters
7.	Shree Radhey Stone Crusher, Village Birhi Kalan	10mm, 20mm & Dust(250 MTD)	9333	9750	417	600 pg/m <sup>3</sup> from source at 3 to 10 meters
8.	Mayur Stone Crusher, Village Birhi Kalan	10mm, 20mm & Dust(250 MTD)	3515	3972	457	600 Ng/m <sup>3</sup> from source at 3 to 10 meters

*An evaluation of the source emission monitoring of 08 stone crushing units indicated that although most of the individual stone crushing units are meeting the prescribed fugitive emission norms except one, **the upwind concentration of fugitive emissions varied between 1000 ug/m<sup>3</sup> to 9444 ug/m<sup>3</sup>. High level of upwind concentration at various location seems to be the impact of inadequate distance between two stone crushing units, thereby necessitating the siting guidelines w.r.t. distance between two stone crushing units as observed and directed by Hon'ble National Green Tribunal. However, HSPCB has prescribed the minimum area of one acre for every stone crusher while in higher capacity units, 1.5 acre is the minimum area requirement.***

### **2.3.6 Ambient Air Quality Monitoring**

*The ambient air quality was also monitored by HSPCB team on 21/10/2020 and 05/11/2020, at different locations (Primarily centre points of different locations) of Charkhi Dadri selected jointly by CPCB and HSPCB, where stone crushers are located. The results of the ambient air quality monitoring are summarized in the following **Table 3:***



**Table 3: Ambient Air Quality Monitoring Results**

S. No.	Locations	Date	Concentration of Air Quality Parameters (in $\mu\text{g}/\text{m}^3$ )	
			PM <sub>10</sub>	PM <sub>2.5</sub>
1.	Kheri Battar Stone Crushing	21.10.2020	140	Not monitored
2.	Pichopa Kalan Stone Crushing Area	05.11.2020	68	19
3.	Birhi Kalan Stone Crushing Area	05.11.2020	239	42
4.	CAAQMS, Mini Secretariat, Charkhi	21.10.2020	253	117
		05.11.2020	265	191

The results of the ambient air quality monitoring at two locations out of three locations monitored by HSPCB Team, were found to be beyond the prescribed limits of PM<sub>10</sub>. The concentration of PM<sub>10</sub> & **PM<sub>2.5</sub>** were also be found to be exceeding the prescribed norms as per the data of CAAQMS located at Mini Secretariat, District Charkhi Dadri during that period, indicating contributing of factors other than stone crushers as well, towards ambient air quality of Distt. Charkhi Dadri.

### **2.3.7 Action Taken by HSPCB against the units violating the norms**

The action taken report w.r.t non-compliance of prescribed norms and the conditions of the consent to operate granted to stone crushing units were requested by the Joint Committee from the members representing State Pollution Control Board, for inclusion in the report to be filed before Hon'ble NGT.

In this regard, the following is the status of the compliance of the action taken against noncomplying units by the HSPCB **(Annexure-V):**

(i) Out of 330 stone crushing units, 96 units are non-operational due to the fact that 35 units have been closed down by HSPCB, 17 were found to have been closed on their own and 44 units were found to have been dismantled/non-existing.

(ii) A total sum of Rs. 4.89 crores of Environmental Compensation was levied by HSPCB on the 33 non-complying units. 19 units have deposited the EC amount of Rs. 1.62 crores to the HSPCB.

(iii) HSPCB is in the process of imposing EC on another 16 non-complying stone crushing units.

(iv) The prosecution has been initiated against 35 non-complying units, out of which 27 have been filed in Special Environmental Court, Kurukshetra, Haryana.

(v) HSPCB has initiated action against all the stone crushers which have not obtained approval of the Green Belt Development Plan from the Forest Department and issued show cause notices to all units seeking their status of approval of the same and further, action will be taken by the board after receipt of the units.

### **2.3.8 Action Taken by HSPCB for illegal ground water abstraction**

*The Joint Committee was directed by the Hon'ble NGT, to include the action taken by HSPCB in the report of the Joint Committee. Accordingly, HSPCB was requested by the Joint Committee, for providing the action taken report w.r.t. illegal abstraction of the ground water in compliance of the directions of the Hon'ble NGT.*

*In this regard, as per status report received from HSPCB, there are 330 stone crushing units in the District Charkhi Dadri, out of which 53 units have either been dismantled or non- operational after 15/04/2015 i.e. the date of notification issued by CGWB mandating permission for withdrawal of ground water. Therefore, HSPCB recommended for levying interim environmental compensation against 277 stone crushing units to the Deputy Commissioner, Charkhi Dadri. The total amount of compensation from these 277 stone crushing units is Rs. 31,45, 13, 865/-, the details of which is summarized in **Annexure-VI**. The Deputy Commissioner, Charkhi Dadri has issued order for recovering EC for illegal underground water abstraction against all these units.*

### **3.0 RECOMMENDATIONS:**

*(i) Since, the carrying capacity of the Charkhi Dadri region is estimated to be negative and therefore, following actions are suggested to support & protect the air environment:*

**a. No new stone crusher of any capacity may further be allowed to establish & operate in the region including any expansion of the existing units.**

**b. A study, such as source apportionment, be carried out to ascertain at what maximum capacity the existing stone crushing units be allowed to operate vis-a-vis their number.**

**c. The supporting infrastructure such as road needs improvement to minimize the dust formation and to maintain its quality a fund may be created by the stone crushing units proportionate to its production capacity. The fund may be operated through a mechanism where the nodal agency could be the association of the stone crushing units.**

**d. The units which have been reported not conforming the siting criteria according to revenue department (34) shall remain closed and be shifted in compliance with the notification dated 11.05.2016.**

*(ii) Considering the stone dust settlement behaviour, the inter-se distance between two stone crushing units may be kept as:*

$$d = (h_1 * N. + h_2 * p^2) / 100$$

**Where, d = inter-se distance between two stone crushing units (in meter)**

***h<sub>1</sub> & h<sub>2</sub> = height of highest nodes for unit 1 & 2, respectively (in meter)***

***P<sub>1</sub> & P<sub>2</sub> = production capacity for unit 1 & 2, respectively (in MTD)***

***iii. HSPCB shall install additional 3 ambient air quality monitoring stations in accordance to Guidelines for Ambient Air Quality Monitoring published by CPCB (2003). Out of these three, one station may be CAAQMS.***

***iv. The concerned authority may take suitable action against those stone crushing units found to be non-conforming w.r.t. siting criteria and having not provided adequate pollution control measures.***

***v. The stone crushing unit may be asked to obtain due approval from State Forest Department for development of green belt in accordance to the notification dated 11.05.2016.”***

***7. In view of above report, it does appear that there is large scale violation of law in violation of the mandate of ‘Sustainable Development’ and ‘Precautionary Principle’. Suitable remedial measures need to be taken to stop polluting activities, beyond the carrying capacity of the environment, apart from action for the violations which have already taken place. Only such activity may be allowed which the environment can sustain irrespective of the date on which the stone crushers were set up. While taking action, the State PCB may follow the due process but the action needs to be prompt to protect the public health and environment in view of the material in the seven Member Committee. The District Magistrate, Charkhi Dadri may take prompt steps for protection of environment by taking mitigation measures in terms of the recommendations. Illegal withdrawal of ground water may be effectively stopped. Since we are only requiring the statutory authorities to take action in exercise of their statutory powers, following due process and orders of the statutory authorities are appealable to this Tribunal, we do not find it necessary to issue notice to the individual stone crushers.***

***8. The State PCB may file an action taken report of status as on 31.03.2021, before the next date, by e-mail at [judicial-ngt@gov.in](mailto:judicial-ngt@gov.in) preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF.”***

5. In pursuance of the above, an action taken report has been filed on 27.09.2021 by the State PCB. The status report gives the list of 339 stone crushers to whom the consent was granted. It gives list of 22 stone crushers which were inspected along with the Monitoring Committee

constituted by this Tribunal out of which 5 were found to be non-compliant and were closed. The remaining were found to be individually compliant. On 2<sup>nd</sup> inspection of 14 stone crushers, 10 were found to be non-complaint, which included 4 units which were earlier non-compliant and 6 units which were found to be non-complaint later. Four were found to be compliant. 10 units were closed/ recommended to be closed accordingly. On 3<sup>rd</sup> inspection on 17.06.2021 and 01.07.2021, 2 more units were found to be non-compliant and were closed. Assessment of compensation against 14 units was in progress. Compensation had already been assessed against 40 non-compliant units amounting to Rs. 4.76 Crores. 27 units out of them have deposited the compensation while proceedings have been initiated for recovery against the remaining. Prosecution has been filed/proposed against 35 units. Compensation has also been assessed for illegal extraction of ground water amounting to Rs. 31.66 Crores approximately against 278 units. We note that for such assessment the area has been taken to be safe category even though it is critical. 34 units have been found to be not meeting the siting criteria and action has been taken for withdrawal of the CTE/CTO. It is further stated that even 339 stone crushers in District Charkhi Dadri 246 were in operation and the remaining have been identified for dismantling. 4 have been closed.

6. In view of the report, we are concerned with the issue of permissibility of functioning of the said 246 stone crushers which are said to be in operation. The list is as follows:-

*“List of CTO of Stone Crusher units in operation at present:-*

<b><i>In Operation</i></b>				
<b><i>Sr. No.</i></b>	<b><i>Village</i></b>	<b><i>Name and address of unit</i></b>	<b><i>Status</i></b>	<b><i>Period</i></b>
<i>1.</i>	<i>Kheri</i>	<i>Abhishek Stone Crusher,</i>	<i>Granted</i>	<i>01.04.21-</i>

	Batter	Village Kheri Batter, Ch.Dadri		31.03.26
2.	Kheri Batter	Amarnath Stone Crusher Vill- Kheri Battar, Distt Ch.Dadri	Granted	01.04.21- 31.03.26
3.	Kheri Batter	Anand Stone Crusher, Vill. Kheri batter, Ch.Dadri	Granted	01.04.17- 31.03.22
4.	Pichopa Kalan	Anjani Mata Stone crusher Village Pichopa Kalan, Charkhi Dadri	Granted	10.09.20- 31.03.22
5.	Kheri Batter	Anjani Stone Crusher, VPO Kheri Battar, Ch.Dadri	Granted	01.04.17- 31.03.22
6.	Kheri Batter	ANUP STONE CRUSHER NO 1, VILLAGE KHERI BATTAR TEHSIL AND DISTRICT CHARKHI DADRI	Granted	01.04.20- 31.03.25
7.	Kheri Batter	Anup Stone Crusher, Vill. Kheri Battar, Ch.Dadri	Granted	10.02.21- 31.03.25
8.	Jhojhu Kalan	Arya Stone Crusher (16BHI3361876) Ramalwas,/ Jhojhu Kalan,Distt Charkhi Dadri	Granted	25.10.19- 31.03.24
9.	Asawari	Asawari Stone Crushing Co., Vill-Asawari Tehsil & Distt Charkhi Dadri	Granted	05.02.20- 31.03.24
10.	Mankawas	Ashoka Stone Crusher, Vill. Mankawas, Ch.Dadri	Granted	01..04.21- 31.03.24
11.	Mankawas	Ashu Stone Crusher Vill. Manakawas, Ch. Dadri	Granted	01.04.21- 31.03.24
12.	Jhojhu Kalan	Avtar & Company Stone Crusher, Village jhojhu Kalan, Ch.Dadri	Granted	01.04.21- 31.03.26
13.	Birhi kalan	Baba Hari Dass Stone Crushing Co Vill-Birhi Kalan,Distt Ch.Dadri	Granted	01.04.21- 31.03.26
14.	Birhi kalan	Baba Raghu Nath Stone Crusher Vill-Birhi Kalan,Distt Dadri	Granted	18.07.17- 31.03.22
15.	Jhojhu Kalan	Baba Shyam Crushing Co Vill Jhojhu Kalan Teshil & Distt Charkhi Dadri	Granted	02.10.18- 31.03.23
16.	Pandwan	Bala Ji Stone Crusher, Vill. Pandwan, Ch. Dadri	Granted	01.10.18- 31.03.25
17.	Birhi kalan	Balaji Stone Crusher, Village Birhi Kalan, District Ch.Dadri	Granted	01.04.21- 31.03.26
18.	Kaliyana	Balaji Stone Crusher, VPO Kaliyana, Ch. Dadri	Granted	07.01.18- 31.03.22
19.	Kalali	Baljit Stone Crusher Vill- Kalali,Distt Charkhi Dadri	Granted	09.08.18- 31.03.23
20.	Pichopa Kalan	Bed Stone Crusher Village Pichopa Kala Tehsil Ch Dadri	Granted	20.05.18- 31.03.22
21.	Kheri Batter	Bhagwati Stone Crusher, Vill, Kheri Battar, Charkhi Dadri	Granted	30.01.21- 31.03.25
22.	Ramalwas	Bhai Ji Stone Crusher Village Ramalwas Tehsil Ch Dadri	Granted	19.12.19- 31.03.24
23.	Kheri Batter	Bhartho Devi Stone Crusher, Village Kheri Batter, Charkhi Dadri	Granted	14.05.20- 31.03.23
24.	Kaliyana	Bhavishay Stone Crusher Village Kaliyana, Charkhi Dadri	Granted	21.08.18- 31.03.23
25.	Kheri Batter	Caps Tradeling Pvt. Ltd., Kheri Batter, Charkhi Dadri	Granted	11.07.19- 31.03.24
26.	Asawari	Chander Mukhi Stone Crusher, Kila/Khasra No. 102//23 & 104//3/1,	Granted	01.04.21- 31.03.26

		Asawari, Patwari Halka 83, Ch.Dadri		
27.	Pandwan	Chander Stone Crusher, Village Pandwan, Charkhi Dadri	Granted	01.04.21- 31.03.26
28.	Mankawas	Chaubisi Stone Crusher, Village Mankawas, Tehsil Charkhi Dadri	Granted	01.04.21- 31.03.26
29.	Birhi kalan	Chaudhary Stone Crusher Vill-Birhi Kalan, Distt Charkhi Dadri	Granted	15/05/2018 - 31/03/2023
30.	Atela Kalan	Chetna Stone Crusher, Village Atela Kalan, Charkhi Dadri	Granted	01.04.21- 31.03.26
31.	Birhi kalan	Chirag Stone Crusher, Village Birhi Kalan, Tehsil Charkhi Dadri	Granted	17.11.17- 31.03.22
32.	Kaliyana	Choudhary Construction Company, Village Kalayana, Dadri	Granted	27.09.20- 31.03.24
33.	Kheri Batter	Classic Mobile Stone Crusher Village Kheri Battar, Charkhi Dadri	Granted	09.02.21- 31.03.25
34.	Kheri Batter	Dada Dhola Stone Crusher, Village Kheri Batter, Ch.Dadri	Granted	01.04.21- 31.03.26
35.	Mankawas	Dada Gosai Stone Crushing Mills, Mankawas, Ch.Dadri	Granted	01.04.21- 31.03.24
36.	Kheri Batter	Dada Ram Prasad Stone Crusher, Vill. Kheri Battar, Ch.Dadri	Granted	10.09.20- 31.03.25
37.	Birhi kalan	Dada Shakti Stone Crusher Vill-Birhi Kalan,Distt Ch.Dadri	Granted	01.04.21- 31.03.24
38.	Kheri Batter	Dada Stone Crusher, Village Kheri Battar, Tehsil Charkhi Dadri	Granted	01.04.21- 31.03.26
39.	Pichopa Kalan	Dada Syonand Maharaj Stone Crusher, Village Pichopa Kalan, Charkhi Dadri	Granted	16.02.18- 31.03.22
40.	Mankawas	Dadri Stone Crusher Village Manakawas Tehsil Charkhi Dadri	Granted	01.04.21- 31.03.25
41.	Tiwala	Dalawas Stone Crusher, Vill Tiwala, Tehsil & Distt Charkhi Dadri	Granted	09.11.2018- 31.03.2023
42.	Mankawas	Delhi Stone Crusher, Village Mankawas, Ch.Dadri	Granted	21.04.16- 30.09.16 09.04.19- 31.03.24
43.	Kheri Batter	Dev Stone Crusher, Village - Kheri Batter, Charkhi Dadri	Granted	27.12.19- 31.03.24
44.	Kheri Batter	Dhankaur Stone Crusher, Village Kheri Batter, Bhiwani	Granted	01.04.21- 31.03.26
45.	Kalali	Dhanluxmi Stone Crusher, Kalali, Ch. Dadri	Granted	14.07.20- 31.03.25
46.	Kheri Batter	Dhanpat Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.17- 31.03.22
47.	Pichopa Kalan	Dharampal Stone Crusher, pichopa Kalan, Ch. Dadri, Bhiwani	Granted	01.04.21- 31.03.26
48.	Kheri Batter	Diamond Stone Crusher Village Kheri Battar Tehsil Ch Dadri Bhiwani	Granted	15.07.20- 31.03.25

49.	Pichopa Kalan	Durga Stone Crusher, Vill- Pichopa Kalan, Tehsil & Distt Charkhi Dadri	Granted	19.11.18-31.03.23
50.	Kheri Batter	Ekta Stone Crusher Village kheri Battar BHIWANI	Granted	01.04.21-31.03.26
51.	Mankawas	Gawar Construction Ltd., Village Mankawas, Bhiwani	Granted	01.04.18-31.03.23
52.	Birhi kalan	Gitesh Stone Crusher Vill- Birhi Kalan, Distt Bhiwani	Granted	15.11.20-31.03.22
53.	Kheri Batter	Gohana Stone Crusher, Village Kheri Batter, Charkhi Dadri	Granted	18.08.20-31.03.23
54.	Pichopa Kalan	Hanuman Infrastructure Pvt. Ltd., Village Pichopa Kalan, Charkhi Dadri	Granted	10.02.18-31.03.22
55.	Pichopa Kalan	Hari Om Stone Crusher Pichopa Kalan Teshil and District Charkhi Dadri	Granted	09.09.19-31.03.24
56.	Asawari	Haryana Stone Crusher, Village Asawari, Tehsil Charkhi Dadri, Bhiwani	Granted	01.04.21-31.03.26
57.	Tiwala	Haryana Stone Crusher, Village Tiwala, Tehsil Charkhi Dadri, Bhiwani	Granted	20.11.20-31.03.25
58.	Jhojhu Kalan	Indian SC, Jhojhu Kalan, Dadri	Granted	01.04.21-31.03.26
59.	Pichopa Kalan	J M and COMPANY Vill- Pichopa Kalan, Distt Bhiwani	Granted	27/06/18 - 31/03/23
60.	Birhi kalan	Jai Baba Jamna Giri Stone Crusher, Vill. Birhi Kalan, Charkhi Dadri	Granted	18.11.20-31.03.22
61.	Pandwan	Jai Baba Mungipa stone crusher, Pandwan. Charkhi Dadri	Granted	10.05.19-31.03.24
62.	Kheri Batter	Jai Baba Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.21-31.03.26
63.	Mankawas	Jai Bajrang Bali Stone Crusher, Village Mankawas, Tehsil Charkhi Dadri, Bhiwani	Granted	11.02.21-31.03.23
64.	Ramalwas	Jai Bajrang Bali Stone Crusher, Village Ramlawas, Charkhi Dadri	Granted	05.02.20-31.03.24
65.	Kheri Batter	Jai Bajrangbali Stone Crusher, Village kheri Batter, Bhiwani	Granted	01.04.21-31.03.26
66.	Mankawas	Jai Balaji Stone Crusher, Vill. Mankawas Charkhi Dadri, Bhiwani	Granted	01.04.21-31.03.26
67.	Pichopa Kalan	Jai Balaji Stone Crusher, Village Pichopa Kalan, Charkhi Dadri	Granted	13.01.18-31.03.22
68.	Birhi kalan	Jai Dada Budha Stone Crusher, Village Birhi Kalan, Tehsil Charkhi Dadri, Bhiwani	Granted	01.04.21-31.03.26
69.	Kheri Batter	Jai Durga Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.21-31.03.26
70.	Pandwan	JAI HANUMAN STORE CRUSHER PANDWAN VILLAGE PANDWAN BHIWANI BHIWANI	Granted	01.10.20-31.03.22
71.	Birhi kalan	Jai Hind Stone Crushing Co., Village Birhi Kalan, Bhiwani	Granted	01.04.21-31.03.26
72.	Kheri Batter	Jai Mahadev Stone Crusher, Kheri Batter, Dadri	Granted	25.10.19-31.03.24

73.	Kalali	JAI MATA DI STONE CRUSHER village Kalali, tehsil Charkhi dadri BHIWANI	Granted	23.03.21-31.03.25
74.	Birhi kalan	Jai Mata Di Stone Crusher, Village Birhi Kala, Tehsil Ch. Dadri, Bhiwani	Granted	01.04.21-31.03.26
75.	Pandwan	Jai Shivam Stone Crusher Village Pandwan	Granted	26/07/18 - 31/03/23
76.	Kheri Batter	Jai Shree Ganesh Stone Crusher Vill-Kheri Battar, Distt Bhiwani	Granted	01.10.20-31.03.25
77.	Mankawas	Jai Shree Ram Stone Crusher Village Manakawas District Bhiwani	Granted	01.04.23-31.03.26
78.	Kheri Batter	Jai Shree Ram Stone Crusher, Village Kheri Battar, Charkhi Dadri	Granted	01.04.21-31.03.26
79.	Jhojhu Kalan	Jai Shree Shyam Stone Crusher Vill-Jhojhu Kalan, Distt Bhiwani	Granted	01.04.21-31.03.26
80.	Kalali	Jai Shree Shyam Stone Crusher, Village Kalai, Tehsil Charkhi Dadri, Bhiwani	Granted	01.04.21-31.03.26
81.	Pichopa Kalan	Jai Shree Shyam Stone Crusher, Vill-Pichopa Kalan, Tehsil & Distt Charkhi Dadri	Granted	01.04.19-31.03.23
82.	Kheri Batter	Jai Siya Ram Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.21-31.03.24
83.	Jhojhu Kalan	Jhojhu Stone Crusher, Village Jhojhu Kalan, Bhiwani	Granted	14.12.19-31.03.24
84.	Kaliyana	K V R Minerals Pvt Ltd Unit 2 Vill Kaliyana Teshil & Distt Charkhi Dadri	Granted	05.05.18-31.03.23
85.	Kaliyana	K V R Minerals Pvt. Ltd., Village Kaliyana, Charkh Idadri	Granted	09.08.17-31.03.22
86.	Pichopa Kalan	K.M.P Stone Crusher, Vill Pichopa Kalan Tehsil & Distt Charkhi Dadri	Granted	05.06.19-31.03.24
87.	Birhi kalan	Kanhaiya Stone Crusher Vill-Birhi Kalan, Distt Bhiwani BHIWANI	Granted	01.04.21-31.03.24
88.	Mankawas	Kanshi Ram Stone Crusher, Village Mankawas, Bhiwani	Granted	01.04.18-31.03.23
89.	Pichopa Kalan	Khatu Shyam Stone Crusher, Village Pichopa Kala Tehsil Ch Dadri	Granted	01.07.19-31.03.24
90.	Kheri Batter	Krishana Stone Crusher and Supplier Village Kheri Battar Tehsil Ch Dadri, Distt Bhiwani	Granted	29/07/18-31/03/23
91.	Pichopa Kalan	Krishna Stone Crusher, Vill. Pichopa Kalan, Charkhi Dadri	Granted	29.06.21-31.06.26
92.	Kheri Batter	Krishna Stone Crusher-1, Vill. Kheri Battar, Bhiwani	Granted	01.04.21-31.03.26
93.	Kheri Batter	Krishna Stone Crusher-II, Vill. Kheri Battar, Bhiwani	Granted	01.04.16-31.03.21
94.	Jhojhu Kalan	Kumar Infra & Mining Projects, Village Jhoju Kalan, Teshil Charkhi dadri, Bhiwani	Granted	04/03/2021 - 31/03/2025
95.	Kheri	Larsen and Toubro Limited,	Granted	01.05.19-



	<i>Batter</i>	<i>Vill Kheri Battar Tehsil &amp; Distt Charkhi Dadri</i>		<i>30.04.24</i>
96.	<i>Tiwala</i>	<i>Laxmi Mining Company, Village Tiwala, Charkhi Dadri</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>
97.	<i>Mankawas</i>	<i>Laxmi Stone Crusher, Vill. Mankawas, Bhiwani</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>
98.	<i>Asawari</i>	<i>Luxmi Stone Crusher, Asawari, Bhiwani</i>	<i>Granted</i>	<i>01.04.18-31.03.23</i>
99.	<i>Mankawas</i>	<i>Maa Pitambara Mines And Cruhsers LLP, Vill Mankawas, Tehsil &amp; Distt Charkhi Dadri</i>	<i>Granted</i>	<i>01.06.19-31.03.24</i>
100.	<i>Kaliyana</i>	<i>Maa Stone Crusher, Kaliyana, Charkhi Dadri</i>	<i>Granted</i>	<i>14.07.20-31.03.23</i>
101.	<i>Bilawal</i>	<i>Maha Luxmi Stone Cruhser, Village Bilawal, Bhiwnai</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>
102.	<i>Pichopa Kalan</i>	<i>Mahadev Grit Udyog PICHOPA KALAN CHARKHI DADRI</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>
103.	<i>Birhi kalan</i>	<i>Mahadev Stone Crusher, Birhi Kalan, Chakrhi Dadri</i>	<i>Granted</i>	<i>02.10.18-31.03.23</i>
104.	<i>Kheri Batter</i>	<i>Mahadev stone Crusher, Vill. Kheri Battar, Bhiwani</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>
105.	<i>Pichopa Kalan</i>	<i>Mahaluxmi Mines and Stone Crusher VPO Pichopa Kala</i>	<i>Granted</i>	<i>30/04/2018 - 31/03/2023</i>
106.	<i>Birhi kalan</i>	<i>Mahaluxmi Stone Crusher Village Birhi Kala District Bhiwani</i>	<i>Granted</i>	<i>01.04.19-31.03.24</i>
107.	<i>Pichopa Kalan</i>	<i>Mahashay Stone Crusher, Village Pichopa Kalan, Dadri</i>	<i>Granted</i>	<i>04.07.19-31.03.24</i>
108.	<i>Kheri Batter</i>	<i>Maman Stone Crusher, VPO Kheri Battar, Bhiwani</i>	<i>Granted</i>	<i>01.04.17-31.03.22</i>
109.	<i>Kheri Batter</i>	<i>Maruti Stone Crusher, Village Kheri Battar, Bhiwani</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>
110.	<i>Mankawas</i>	<i>Maruti Stone Crusher, Village Mankawas, Tehsil Charkhi Dadri, Bhiwani (New Name Maruti SC, Pandwan)</i>	<i>Granted</i>	<i>01.04.18-31.03.23</i>
111.	<i>Birhi kalan</i>	<i>Mayur Stone Crusher, Village Birhi Kala, Tehsil Ch. Dadri, Bhiwani</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>
112.	<i>Pichopa Kalan</i>	<i>MDN Stone Crusher Vill- Pichopa Kalan, Tehsil &amp; Distt Charkhi Dadri</i>	<i>Granted</i>	<i>10.02.18-31.03.22</i>
113.	<i>Kaliyana</i>	<i>Millan Stone Cusher, Village Kaliyana, Charkhi Dadri</i>	<i>Granted</i>	<i>21.01.21-31.03.22</i>
114.	<i>Jhojhu Kalan</i>	<i>Murliwala Stone Crushing Mills, Vill. Jhojhu Kalna, Bhiwani</i>	<i>Granted</i>	<i>01.04.21-31.03.24</i>
115.	<i>Kheri Batter</i>	<i>Nandu Stone Crusher, VPO Kheri Batter, Tehsil Charkhi Dadri, Bhiwani</i>	<i>Granted</i>	<i>01.04.17-31.03.22</i>
116.	<i>Mankawas</i>	<i>NECC Mines &amp; Mineral, Village Manakawas, Tehsil Charkhi Dadri, Bhiwani</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>
117.	<i>Pandwan</i>	<i>NECC Mining Corporation Unit 2, Village Pandwan Charkhi Dadri</i>	<i>Granted</i>	<i>22.11.17-31.03.22</i>
118.	<i>Pandwan</i>	<i>NECC Mining Corporation, Village Pandwan, Charkhi Dadri</i>	<i>Granted</i>	<i>22.11.17-31.03.22</i>
119.	<i>Pandwan</i>	<i>NECC Roadways, Village Pandwan, Dadri</i>	<i>Granted</i>	<i>22.11.17-31.03.22</i>
120.	<i>Jhojhu Kalan</i>	<i>Neel Kanth Stone Crusher Mill, Village Jhojhu Kalan,</i>	<i>Granted</i>	<i>01.04.21-31.03.26</i>

		<i>Tehsil Charkhi Dadri, Bhiwani</i>		
121.	<i>Pichopa Kalan</i>	<i>Neelam Stone Crusher Vill Pichopa Kalan Teshil &amp; Distt Charkhi Dadri</i>	<i>Granted</i>	<i>26/07/18 - 31/03/23</i>
122.	<i>Kheri Batter</i>	<i>Neelkanth Stone Crusher, Village Kheri Battar, Bhiwani</i>	<i>Granted</i>	<i>01.04.17- 31.03.22</i>
123.	<i>Birhi kalan</i>	<i>Neelkanth Mahadev Grit Udyog Vill-Birhi Kalan,Distt Bhiwani</i>	<i>Granted</i>	<i>08.05.17- 31.03.22</i>
124.	<i>Pichopa Kalan</i>	<i>New Avtar Stone Crusher, Vill-Pichopa Kalan,Tehsil &amp; Distt Charkhi Dadri</i>	<i>Granted</i>	<i>30.04.19- 31.03.24</i>
125.	<i>Pichopa Kalan</i>	<i>New Bharat Stone Crushing Company, VPO PICHOPA KALAN TEHSIL AND DISTRICT CHARKHI DADRI</i>	<i>Granted</i>	<i>17.01.19- 31.03.23</i>
126.	<i>Kheri Batter</i>	<i>New Jai Shree Bala ji Stone Crusher, Village Kheri Battar, Bhiwani</i>	<i>Granted</i>	<i>12.09.19- 31.03.23</i>
127.	<i>Birhi kalan</i>	<i>New Rapid stone crusher Old name Jai Baba Shyam Stone Crusher Vill-Birhi Kalan,Distt Bhiwani</i>	<i>Granted</i>	<i>18.11.20- 31.03.22</i>
128.	<i>Jhojhu Kalan</i>	<i>Om Shiv Stone Crusher, Village Jhojhu Kalan, Tehsil Charkhi Dadri, Bhiwani</i>	<i>Granted</i>	<i>14.12.19- 31.03.24</i>
129.	<i>Kaliyana</i>	<i>Om Shivam Stone Crusher, Kaliyana, Dadri</i>	<i>Granted</i>	<i>28.06.19- 31.03.24</i>
130.	<i>Asawari</i>	<i>Om Shivam Stone Crusher, Village Asawari, Bhiwani</i>	<i>Granted</i>	<i>01.10.20- 31.03.26</i>
131.	<i>Kheri Batter</i>	<i>Om Stone Crusher, Kheri Batter, Charkhi Dadri, Bhiwani</i>	<i>Granted</i>	<i>01.04.20- 31.03.23</i>
132.	<i>Mankawas</i>	<i>Om Stone Crusher, Mankawas, Charkhi Dadri, Bhiwani</i>	<i>Granted</i>	<i>01.04.21- 31.03.26</i>
133.	<i>Atela Kalan</i>	<i>Pal stone Crusher Vill. Atela Kalan Bhiwani</i>	<i>Granted</i>	<i>01.04.21- 31.03.26</i>
134.	<i>Mankawas</i>	<i>Panchmukhi Stone Crusher, Village Mankawas, Bhiwani</i>	<i>Granted</i>	<i>01.10.20- 31.03.25</i>
135.	<i>Pichopa Kalan</i>	<i>Pardhan Stone Crusher Village Pichopa Kala Tehsil Ch Dadri BHIWANI</i>	<i>Granted</i>	<i>01.04.21- 31.03.26</i>
136.	<i>Kheri Batter</i>	<i>Partap Stone Crusher, Vill. Kheri Battar, Bhiwani( Old Name baba pir stone crushing co. )</i>	<i>Granted</i>	<i>01.04.21- 31.03.26</i>
137.	<i>Kheri Batter</i>	<i>Parvat Stone Crusher, Village Kheri Battar,Tehsil Charkhi Dadri, Bhiwani</i>	<i>Granted</i>	<i>04.01.20- 31.03.24</i>
138.	<i>Kheri Batter</i>	<i>Pokhar Stone Crusher, Vill. Kheri Battar, Bhiwani</i>	<i>Granted</i>	<i>01.04.21- 31.03.26</i>
139.	<i>Asawari</i>	<i>Pritam Sangwan Stone Crusher, Village Asawari, Charkhi Dadri</i>	<i>Granted</i>	<i>07.01.18- 31.03.22</i>
140.	<i>Asawari</i>	<i>Pritam Stone Crusher, Asawari, charkhi Dadri</i>	<i>Granted</i>	<i>01.01.18- 31.03.22</i>
141.	<i>Kheri Batter</i>	<i>PRITHVI STONE CRUSHER, Kheri Batter, Charkhi Dadri</i>	<i>Granted</i>	<i>30.08.20- 31.03.25</i>
142.	<i>Birhi kalan</i>	<i>Purpal Stone Crusher, Village Birhi Kala, Tehsil Charkhi Dadri, Bhiwani</i>	<i>Granted</i>	<i>01.04.21- 31.03.26</i>
143.	<i>Pichopa Kalan</i>	<i>QEM PROCESSING PVT LTD PICHOPA KALAN</i>	<i>Granted</i>	<i>20.07.19- 31.03.24</i>
144.	<i>Kheri</i>	<i>QEM PROCESSING PVT LTD</i>	<i>Granted</i>	<i>01.04.21-</i>

	Batter	STONE CRUSHER at VILLAGE KHERI BATTAR CHARKHI DADRI DISTRICT BHIWANI HARYANA BHIWANI		31.03.26
145.	Kaliyana	R.B.S Stone Crusher Village Kaliyana, Tehsil Ch. Dadri, Bhiwani	Granted	25.02.18- 31.03.22
146.	Kheri Batter	Raj Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.21- 31.03.26
147.	Pichopa Kalan	Rajesh Stone Crusher, Pichopa Kalan, Charkhi Dadri	Granted	25/10/2018 - 31/03/2023
148.	Pichopa Kalan	Rakesh Malik Stone Crusher Vill-Pichopa Kalan, Distt Bhiwani	Granted	26/07/2018 - 31/03/2023
149.	Jhojhu Kalan	Rudhra Stone Crusher, Village Jhojhu Kalan, Charkhi Dadri	Granted	01.01.18- 31.03.22
150.	Kheri Batter	Salasar Stone Crusher Vill- Kheri Battar, Distt Bhiwani	Granted	01.03.21- 31.03.25
151.	Birhi kalan	Sangwan Stone Crusher, Vilalge Birhi Kalan, Charkhi Dadri	Granted	19.12.19- 31.03.24
152.	Kheri Batter	Sanskar Stone Crusher, Kheri Battar, Bhiwani	Granted	01.04.19- 31.03.24
153.	Kheri Batter	Saraswati Stone Crusher, Vill Kheri Batter, Bhiwani	Granted	01.04.21- 31.03.26
154.	Kheri Batter	Sarvotam Group, Village Kheri Batter, Charkhi Dadri	Granted	12.05.20- 31.03.24
155.	Pichopa Kalan	Satyavir Stone Crusher, Village Pichopa Kalan, Charkhi Dadri	Granted	01.04.21- 31.03.26
156.	Kheri Batter	Shakti Stone Crusher, Village Kheri Battar, Charkhi Dadri	Granted	14.12.17- 31.03.22
157.	Kheri Batter	Shanti Mobile Stone Crusher, VPO Kheri Battar, Bhiwani	Granted	16.08.17- 31.03.22
158.	Kheri Batter	Sheranwali Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.17- 31.03.22
159.	Kheri Batter	Shiv Bhole Shankar Stone Crusher Village Kheri Battar, Bhiwani BHIWANI	Granted	01.04.19- 31.03.24
160.	Kaliyana	SHIV BHOLE STONE CRUSHING Co., Kaliyana, Ch. Dadri	Granted	10.09.20- 31.03.25
161.	Kheri Batter	Shiv Durga Stone Crusher, Village Kheri Battar, Tehsil Charkhi Dadri, Bhiwani	Granted	27.12.19- 31.03.24
162.	Kaliyana	Shiv Ganga Stone Crusher, Kaliyana, Charkhi dadri	Granted	07.01.18- 31.03.22
163.	Kheri Batter	Shiv Gorakh Stone Crusher, Vill Kheri Battar, Bhiwani	Granted	01.04.21- 31.03.26
164.	Birhi kalan	Shiv Shakti Grit Udyog, Village Birhi Kala, Bhiwani	Granted	01.04.21- 31.03.26
165.	Pichopa Kalan	Shiv Shakti Stone Crusher Village Pichopa Kalan, Charkhi Dadri	Granted	28.05.20- 31.03.24
166.	Pichopa Kalan	Shiv Shakti Stone Crusher II Village Pichopa Kalan, Charkhi Dadri	Granted	30.06.20- 31.03.25
167.	Kheri Batter	SHIV SHAKTI STONE CRUSHER, Village Kheri Battar Tehsil Ch Dadr	Granted	01.06.18- 31.03.23
168.	Birhi kalan	Shiv Shankar Stone Crusher Vill-Birhi Kalan, Distt Bhiwani	Granted	09/07/18 - 31/03/23
169.	Mankawas	Shiv Shanti Stone Crusher,	Granted	01.04.21-

		Village Mankawas, Charkhi Dadri, Bhiwani		31.03.24
170.	Atela Kalan	Shiv Stone Crusher, Vill. Atela Kalan, Bhiwani	Granted	27.04.20-31.03.25
171.	Asawari	Shiv Stone Crusher, Village Asawari, Bhiwani	Granted	01.04.18-31.03.23
172.	Jhojhu Kalan	Shiv Stone Crusher, Village Jhojhu Kalan, Ch. Dadri	Granted	07.01.18-31.03.22
173.	Pichopa Kalan	Shiv Stone Crushing co., Village Pichopa kalan, Charkhi Dadri,	Granted	01.06.20-31.03.25
174.	Birhi kalan	Shiva Stone Crusher, Village Birhi Kalan, Tehsil Charkhi Dadri, Bhiwani	Granted	21.02.21-31.03.23
175.	Mankawas	Shivalik Stone Crusher, Village Mankawas, Charkhi Dadri, Bhiwnai	Granted	01.10.17-31.03.22
176.	Kheri Batter	Shivalya Construction Pvt Ltd Co., Village Kheri Battar, Bhiwani	Granted	01.04.21-31.03.23
177.	Mankawas	Shivalya Grit Udyog, Village Mankawas, Tehsil Charkhi Dadri, Bhiwani	Granted	01.04.19-31.03.24
178.	Mankawas	Shree Balajee Stone Crusher, Village Mankawas, Tehsil Charkhi Dadri, Bhiwan	Granted	12.12.17-31.03.22
179.	Bilawal	Shree Balaji Stone Crusher, Village Bilawal , , Bhiwani	Granted	01.04.21-31.03.26
180.	Kaliyana	Shree Balaji Stone Crusher, Village Kaliyana, Ch. Dadri	Granted	17.02.21-31.03.25
181.	Kheri Batter	Shree Dada Dohla Stone Crusher Vill Kheri Battar, Distt Charkhi Dadri	Granted	20.09.18-31.03.23
182.	Kheri Batter	Shree Ganesh Crusher Udyog, Village Kheri Battar, Ch. Dadri	Granted	01.04.21-31.03.26
183.	Ramalwas	Shree Ganpati Stone Crushing Mills, Village Ramalwas, Charkhi Dadri	Granted	30.08.20-31.03.25
184.	Pichopa Kalan	Shree Laxmi Stone Crusher, Pichopa Kalan, Ch. Dadri.	Granted	18.11.19-31.03.24
185.	Kheri Batter	Shree Luxmi Stone Crusher, Kheri Battar, Bhiwani	Granted	01.10.20-31.03.25
186.	Kheri Batter	Shree Maha Luxmi Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.21-31.03.26
187.	Pichopa Kalan	Shree Mahadev Stone Crusher, Village Pichopa Kalan, Tehsil Charkhi Dadri	Granted	01.04.21-31.03.26
188.	Kheri Batter	Shree Nanak Stone Crusher, VPO Kheri Battar, Bhiwani	Granted	01.04.21-31.03.26
189.	Kheri Batter	Shree Ram Stone Crusher, Village Kheri Battar, Tehsil Charkhi Dadri,	Granted	01.04.21-31.03.26
190.	Kheri Batter	Shree Satyam Stone Crusher, Kheri Battar, Bhiwani	Granted	01.04.18-31.03.23
191.	Pichopa Kalan	Shri Dada Devi Nath Stone Crusher, Village Pichopa Kalan, Tehsil Charkhi Dadri, Bhiwani	Granted	14.08.20-31.03.23
192.	Pichopa Kalan	Shri Ganesh Ji Stone Crusher Vill Pichopa Kalan Tehsil & Distt Charkhi Dadri	Granted	26/07/18 - 31/03/23
193.	Kheri Batter	Shri Giriraj Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.2021-31.03.26

194.	Kheri Batter	Shri Hari Stone Crusher, Village Kheri Batter, Bhiwani	Granted	01.04.21-31.03.26
195.	Pichopa Kalan	Shri Laxmi Ji Stone Crusher, Pichopa Kalan, Charkhi Dadri	Granted	06.11.19-31.03.24
196.	Birhi kalan	Shri Rattan Grit Udyog Village Birhi Kala District Bhiwani	Granted	15.05.21-31.03.26
197.	Kheri Batter	Shri Sai Baba Stone Crusher, Vill. Kheri Batter, Bhiwani	Granted	28.02.21-31.03.26
198.	Kheri Batter	Shri Shivam Stone Crusher, Kheri Batter, Charkhi Dadri, Bhiwani	Granted	01.04.21-31.03.26
199.	Kaliyana	Shri Shyam Stone Crusher Village Kaliyana Tehsil Ch Dadri Bhiwani	Granted	26/07/18 - 31/03/23
200.	Pichopa Kalan	Shyam Grit Udyog Village Pichopa Kalan Tehsil Charkhi Dadri	Granted	01.04.21-31.03.26
201.	Jhojhu Kalan	Shyam King Stone Crusher Village Jhoju Kala Tehsil Ch Dadri BHIWANI	Granted	02.12.16-30.09.21
202.	Pichopa Kalan	Shyam Stones Vill-Pichopa Kalan, Tehsil & Distt Charkhi Dadri	Granted	06.05.21-31.03.26
203.	Kheri Batter	Silver Stone Crusher Village Kheri Battar Tehsil Ch Dadri Bhiwani (Old name Jai Shiv SC)	Granted	14.07.20-31.03.25
204.	Kheri Batter	Sita Nath Stone Crusher, Village Kheri Battar, Bhiwani	Granted	01.04.21-31.03.25
205.	Kheri Batter	Siwach Stone Cruhser, Vill. Kheri battar, Bhiwani	Granted	01.04.17-31.03.22
206.	Pichopa Kalan	Sohna Aggregate Solutions (18CRD63956) Vill Pichopa Kalan Tehsil & Distt Charkhi Dadri	Granted	23.10.19-31.03.24
207.	Pichopa Kalan	Soorya Stone Crusher Village Pichopa Kala Tehsil Ch Dadri	Granted	04.07.20-31.03.24
208.	Kheri Batter	Subh Ram Stone Crusher Village Kheri Battar, Bhiwani	Granted	01.04.20-31.03.25
209.	Kheri Batter	Subham Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.21-31.03.26
210.	Pichopa Kalan	SUMAN STONE CRUSHER, V.P.O- Pichopa Kalan, Charkhi Dadri	Granted	01.04.21-31.03.25
211.	Kheri Batter	Sunrise stone Crusher, Village Kheri Batter, Bhiwani	Granted	01.04.19-31.03.24
212.	Tiwala	Super White Stone Crusher, Village Tiwala, Charkhi Dadri	Granted	06.02.18-31.03.22
213.	Kheri Batter	Suryawansni Stone Crusher, Village Kheri Batter, Bhiwani	Granted	13.10.17-31.03.22
214.	Birhi kalan	Swastik Stone Crusher, Village Birhi Kalan, Charkhi Dadri	Granted	29.08.17-31.03.22
215.	Pichopa Kalan	Swastik Stone Crusher, Village Pichopa Kala Tehsil Ch Dadri	Granted	26.04.19-31.03.22
216.	Kheri Batter	Taj Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	01.04.21-31.03.26
217.	Mankawas	Thadeshri Stone Crusher Vill-Mankawas, Distt Bhiwani	Granted	01.04.21-31.03.25
218.	Jhojhu Kalan	Trishul Stone Crushing Mills Vill-Jhojhu Kalan, Distt Bhiwani	Granted	01.04.21-31.03.26

219.	Asawari	Uma Stone Crusher, Village Asawari, Bhiwani	Granted	01.04.18-31.03.23
220.	Birhi kalan	V K Stone Crushing Co Vill-Birhi Kalan Distt Dadri	Granted	01.04.21-31.03.26
221.	Kheri Batter	Venus Stone Crusher Village Kheri Battar Tehsil Charkhi Dadri	Granted	07.01.18-31.03.22
222.	Pichopa Kalan	Vijay Stone Crusher, Village Pichopa kalan, Charkhi Dadri,	Granted	01.04.21-31.03.26
223.	Mankawas	Vikas Stone Crusher, Mankawas, Ch. Dadri	Granted	01.10.20-31.03.25
224.	Kheri Batter	Vishal Stone Crusher, Village Kheri Batter, Charkhi Dadri, Bhiwani	Granted	01.10.19-31.03.24
225.	Kaliyana	Zamidar Stone Crusher Village Kaliyana, Dadri	Granted	29/07/18 - 31/03/23
226.	Kheri Batter	Jai Baba Sita Nath Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	16/03/21 - 31/03/25
227.	Atela Kalan	Sheoran Stone Crusher, Village Atela Kalan, Charkhi Dadri, Bhiwani	Granted	01/04/21 - 31/03/26
228.	Kaliyana	Shree Partaop Stone Crusher, Kaliyana, Charkhi Dadri	Granted	12.11.20 to 31.03.25
229.	Kheri Batter	JHANDEWALA STONE CRUSHER, VILLAGE KHERI BATTAR, Dadri	Granted	21.03.21-31.03.25
230.	Kheri Batter	Yash Stone Crusher, Kheri Batter, Charkhi Dadri	Granted	31.03.21-31.03.25
231.	Kheri Batter	Sanjay Stone Crusher, Village- Kheri Batter, Charkhi Dadri	Granted	10.02.21-31.03.25
232.	Kheri Batter	Shree Shyam Grit Udyog Village Kheri Batter Tehsil Charkhi Dadri	Granted	31.03.21-31.03.25
233.	Kheri Batter	Jai Shri Shivam Stone Crusher, Kheri Batter, Charkhi Dadri, Bhiwani	Granted	06.04.21-31.03.25
234.	Jhojhu Kalan	Baba Hanuman Minerals Vill-Jhojhu Kalan, Distt Charkhi Dadri	Granted	01.04.21-31.03.25
235.	Kheri Batter	Choudhary Stone Crusher, Village Kheri Batter, Bhiwani	Granted	22.03.21-31.03.25
236.	Kheri Batter	Sangwan Stone Crusher, Vill. Kheri Battar,	Granted	19.12.19-31.03.24
237.	Kheri Batter	Baniwal Stone Crusher, Vill. Kheri Battar, Bhiwani	Granted	02.06.21-31.03.26
238.	Birhi kalan	Jagdish Pahal Stone Crusher Village Birhi Kalan District Bhiwani BHIWANI	Granted	13.01.21-31.03.26
239.	Kaliyana	New Baba Sita Nath Stone Crusher, Village Kaliyana, Charkhi Dadri, Bhiwani	Granted	02.06.21-31.03.26
240.	Kalali	Shiv Bhole Stone Crusher Village Kalali Tehsil Ch Dadri District Bhiwani	Granted	26.04.21-31.03.26
241.	Pichopa Kalan	Shree Ganesh Stone Crusher Village Pichopa Kala Tehsil Ch Dadri	Granted	08.04.21-31.03.26
242.	Kheri Batter	United Stone Crusher, Village Kheri Battar, Bhiwani	Granted	01.04.21-31.03.26
243.	Kalali	Sadbhawna Stone Crusher, Village Kalali, Ch. Dadri	Granted	19.08.21-31.03.26
244.	Asawari	Shiv Bhole Stone Crusher	Granted	25.08.21-

		<i>Vill-Asawari, Distt Bhiwani</i>		<i>31.03.26</i>
<i>245.</i>	<i>Kheri Batter</i>	<i>Jai Shree Shyam Stone Crusher. Village Kheri Batter, Tehsil Charkhi Dadri,, Bhiwani</i>	<i>Granted</i>	<i>01.04.19-31.03.24</i>
<i>246.</i>	<i>Kaliyana</i>	<i>Rao Stone Crusher Co., Village Kaliyana Charkhi Dadri, Bhiwani</i>	<i>Granted</i>	<i>11.07.17-31.03.22</i>

7. The conclusion in the report is as follows:-

**“Conclusion:-**

1. *The inspection of stone crusher zone Charkhi Dadri have been conducted by Monitoring Committee headed by Justice Pritam Pal, Smt. Urvashi Gulati, Rtd. IAS, Sh. Baburam Ex. MS PPCB alongwith District administrative, Charkhi Dadri on dated 17.03.2021 and 18.03.2021 during visit the committee inspected 22. Nos. of stone crushing units in various cluster. The detailed report of this inspection has already been noted above.*
2. *The inspection of stone crusher zone Charkhi Dadri have been conducted by Monitoring Committee headed by Justice Pritam Pal, Smt. Urvashi Gulati, Rtd. IAS, Sh. Baburam Ex. MS PPCB alongwith District administrative, Charkhi Dadri on dated 23.07.2021 and 24.07.2021. The detailed report of this inspection has already been noted above.*
3. *The Regional office, Bhiwani has requested the 03 Nos. instate namely TERI (The Energy and Resource Institute, Lodhi Road, New Delhi) and NEERI (National Environmental Engineering Research Institute, Delhi Zonal Centre, Naraina, New Delhi and Dr. Vivek Narayan Singh, Head of Department, Environment Protection Division (EPD), Shri Ram Institute for Industrial Research, 19, University road, New Delhi. However, the proposal has been received from TERI and NEERI only & to complete the procedure for allotment of the work of study of apportionment, minimum 03 nos. of quotations are required. Once the procedure is complete the work will be allotted to the institute.*
4. *No new stone crusher of any capacity has been allowed to established in District Charkhi Dadri.”*

8. We have considered the report dated 27.09.2021 in pursuance of order dated 02.02.2021. The report does not mention status of compliance of directions in para 7 of the said order requiring stopping of polluting activities beyond carrying capacity and also requiring that only such activity may be allowed which the environment can sustain irrespective of date of setting up of the stone crushers. Needless to say

that mere compliance by individual stone crusher is not enough if the environment does not have capacity to sustain the polluting activity in question. on account of pre-existing pollution load. In such situation, stone crushers can be allowed only if they do not contribute further to the pollution load by taking such mitigation measures, as viable. Standard laid down for an individual units are subject to assimilative capacity of the environment to sustain additional air pollution load as laid down by this Tribunal vide order dated 17.02.2021 in O.A. No. 1016/2019, *Utkarsh Panwar v. CPCB & Ors.*, dealing with the issue of prohibiting/regulating brick kilns in NCR, having regard to the absence of carrying capacity of the environment. Contrary to that, report merely mentions that no new stone crushers have been allowed. Action taken against stone crushers beyond carrying capacity which environment cannot sustain, has not been mentioned. Further, legality of measurement of raw material for the stone crushers needs to be ascertained and remedial action taken. The Committee being constituted may look into the aspect. Thus, in view of absence of carrying capacity and unsustainability of the stone crushers *prima-facie* the stone crushers may be liable to be closed to the extent the same are not sustainable. The list of operating stone crushers also mentions District Bhiwani at many places, apart from Charkhi Dadri, which was initially the subject matter of consideration. Thus, the said District will also, to the extent necessary, have to be covered by the remedial action. The report dated 31.01.2021 relates to the study period of 250 days from 04.03.2020 to 08.11.2020. The relevant table has been quoted earlier and is reproduced below for ready reference:-

*“The carrying capacity assessment of ambient air environment, of District Charkhi Dadri as estimated by the Joint Committee based on the available data of Continuous Ambient Air Quality Monitoring Station (CAAQMS) located in the district, for time period of 250 days*



i.e. 04.03.2020 to 08.11.2020 for the predominant air quality parameter i.e. PM<sub>10</sub>, is as follows:

<b>Particulars</b>	<b>Values</b>	<b>Summer Season</b>	<b>Monsoon Season</b>	<b>Post Monsoon Season</b>
Area of District (km <sup>2</sup> )	1370	1370	1370	1370
Mixing height (km)	0.691	0.745	0.672	0.643
Volume of air in the district	946	1021	921	882
PM <sub>10</sub> (pg/m <sup>3</sup> )	265	246	177	409
<b>Total Estimated load of particulate matter in ambient air in the district in</b>	<b>250815</b>	<b>251508</b>	<b>162671</b>	<b>360369</b>
<b>Assimilative Carrying Capacity (kg)</b>	<b>94647</b>	<b>102073</b>	<b>92112</b>	<b>88153</b>
<b>Supportive Carrying Capacity (kg)</b>	<b>-156168</b>	<b>-149435</b>	<b>-70558</b>	<b>-272216</b>

9. It is well known fact that from the period from November to February, which has not been taken into account, the air quality is certainly inferior to the rest of the year. In view of negative carrying capacity, only those stone crushers can be permitted which do not add to the pollution load by adopting appropriate technology or methodology enabling functioning without deterioration to the air quality, during the operation of the stone crushers or during the transportation of raw material and finished product.

10. Number of stone crushers to be permitted may have to be suitably reduced to maintain adequate distance inter-se, as per formula suggested in above report of the Expert Committee which is reproduced below:-

**“(ii) Considering the stone dust settlement behaviour, the inter-se distance between two stone crushing units may be kept as:**

$$d = (h_1 * N. + h_2 * p_2) / 100$$

**Where, d = inter-se distance between two stone crushing units (in meter)**

**h<sub>1</sub> & h<sub>2</sub> = height of highest nodes for unit 1 & 2, respectively (in meter)**

***P1 & P2 = production capacity for unit 1 & 2, respectively (in MTD)***

11. There is also need to implement the recommendations in the report of the Expert of the Committee dated 31.01.2021. Further solution to be considered for permitting operation of stone crushers can be development of a green belt around the periphery of the area where stone crushers are located of the width ranging from 25 meters to 50 meters, wherever viable. Any other pockets of land available may also be considered for afforestation within the crushing zone to improve the micro climate. The District Administration may also undertake paving the roads in and around the crushing area in addition water sprinkling on regular basis in the interest of public health of the citizens affected by the air pollution generated in the process.

12. Let a joint Committee of CPCB, State PCB, District Magistrates Charkhi Dadri and Bhiwani, jurisdictional Conservator of Forest, nominee of IIT Delhi who may be expert on the subject of air pollution and a Pulmonologist nominated by DG Health, Haryana meet within two weeks and ponder over the issue. They may interact with the stake holders including the representatives of the stone crushers, who may be informed about the proceedings before this Tribunal by the State PCB in coordination with any other concerned authorities in an appropriate manner by e-mail or otherwise. The CPCB and the State PCB will be nodal agency for coordination and compliance. Any expenses to be incurred will be borne by the State PCB subject to further orders. The District Magistrate may provide logistics for execution of the order. The report may be furnished within three months by email by e-mail at [judicial-ngt@gov.in](mailto:judicial-ngt@gov.in) preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF which may be also be uploaded on the website of the State PCB for information of all the

affected stone crushers who will be at liberty to file their comments, if any, to the report before this Tribunal within 15 days of uploading of the report.

List for further consideration on 07.04.2022.

A copy of this order be forwarded to the CPCB, State PCB, District Magistrates Charkhi Dadri and Bhiwani, Conservator of Forest, nominee of IIT Delhi and a Phrenologist nominated by DG Health, Haryana by e-mail.

Adarsh Kumar Goel, CP

Sudhir Agarwal, JM

Brijesh Sethi, JM

Dr. Nagin Nanda, EM

October 26, 2021  
Original Application No. 607/2018  
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