



SHREE RAIPUR CEMENT PLANT

(A UNIT OF SHREE CEMENT LIMITED)



Village : Khaparadih, Tehsil : Simga, Distt. : Baloda Bazar-Bhatapara (C.G.) Pin : 493 332,
Ph. : 07727-203101, CIN No. : L26943RJ1979PLC001935

SRCP/ENV/2021-22/120

Date: - 20.11.2021

To,

Deputy Director General of Forests (C),
Integrated Regional Office, MoEF & CC,
Aranya Bhawan, North Block, Sector-19,
Naya Raipur, Atal Nagar, Chhattisgarh.

Sub: - Regarding compliance for the period April to September 2021 to the conditions of Environment Clearance for Limestone Mine with enhancement of Limestone production capacity from 8.6 Million TPA to 11.06 Million TPA (ML area 531.126 ha.) located near village Semaradih & Bharuwadih, Tehsil - Balodabazar in District - Baloda Bazar - Bhatapara (Chhattisgarh) by Shree Raipur Cement Plant (A unit of Shree Cement Limited).

Ref: - Environment Clearance Letter No. J-11015/07/2018-IA. II(M) on dated 27th August, 2020.

Dear Sir,


Kindly refer to the above subjected matter and referred EC letter. We are submitting herewith the point wise Half Yearly EC compliance status for the period of **April, 2021 to September, 2021.**

This is for your kind information & submission please.

Thanking you.

Yours faithfully

For Shree Raipur Cement Plant.
(A unit of Shree Cement Ltd.)


R. K. Vijay
Joint VP (Operations)

Enclosed: Compliance status Report period April, 2021 to September 2021.

Cc to: -

- 1) The In charge (Zonal Office), Central Pollution Control Board (CPCB), 3rd floor, Sahkar Bhawan, North T.T. Nagar, Bhopal - 462003 (M.P.).
- 2) The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block, Sector-19 Naya Raipur (C.G.).
- 3) The Regional Officer, Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.) - 492099

Compliance Status of Environment Clearance

Period from April, 2021 to September, 2021

Name of Project:	Shree Lime Stone Mine by Shree Raipur Cement Plant (A Unit of Shree Cement Ltd)
Capacity & Location:	Expansion of Limestone Mines from 8.6 Million TPA to 11.06 Million TPA Limestone Production limited to the total excavation of 14.72 MTPA which inter-alia include 11.06 MTPA of limestone (ML No. 38/2007, ML. Area 531.26 ha.) by M/s. Shree Raipur Cement Plant (A Unit of Shree Cement Ltd), located near Village Semeradih & Bharuwadih Tehsil-Balodabazar, Distt.- Baloda Bazar-Bhatapara (Chhattisgarh).
EC Letter No:	J-11015/07/2018-IA.II(M) on dated 27 th August, 2020.

A. Specific & Conditions:

Sr. No.	Condition	Compliance
1	The PP shall provide adequate safety barrier against the villages, inter alia, including, control blasting with necessary permission from the Director General of Mines Safety within 300m from the village / Habitation boundary, mining with non-conventional methods such as ripper dozer or other mechanical means by avoiding the blasting within 100m from the village / Habitation boundary. Thick plantation with native and broad leaved species shall be developed, within one year from the commencement of mining operations, in the safety barrier left against the Habitations	No mining activities are carried out with in safety barrier of 300m from village boundary. Mining is being carried out as per the Mining plan approved by IBM and guidelines provided by the Directorate General Mines Safety (DGMS). Controlled blasting is being carried out with latest blasting technology by using NONEL technology. Currently no blasting is carried out within 500m from village boundary. The copy of Approved Mining plan by Indian Bureau of Mines (IBM) is attached as Annexure-1 . Copy of Working Permission Approved by Directorate General Mines Safety (DGMS) is attached as Annexure-2 .

CATEGORY-A (Fully Mechanised)

REVIEW OF MINING PLAN
PROGRESSIVE MINE CLOSURE PLAN

(Submitted under Rules 17(2) of Minerals (other than Atomic and Hydro-Carbon Energy Minerals)
Concession Rules, 2016 & Rule 23 of Minerals (Conservation and Development) Rules 2017)

SHREE LIMESTONE MINE (MINERAL- LIMESTONE),
M.L. No. 38/2007

VILLAGE- BHARUWADIH & SEMRADIH, TEHSIL- BALODA BAZAR
DISTRICT – BALODA BAZAR- BHATAPARA, STATE- CHHATTISGARH
PERIOD OF MINING LEASE- 12th JANUARY 2011 TO 11th JANUARY 2061
TOTAL LEASE AREA- 531.126 Ha. (FOREST 0.0 Ha, NON-FOREST 531.126 Ha.)
PERIOD OF REVIEW OF MINING PLAN- 1st APRIL 2020 TO 31st MARCH 2025
LIMESTONE PRODUCTION 11.06 MILLION TONNES PER ANNUM



LESSEE

M/S SHREE CEMENT LIMITED

Post box no.33, Bangur Nagar, Beawar, PIN 305901, Rajasthan

Email-shreebwr@shreecement.com

Phone: 01462 228101-6 Fax: 01462 228117

IBM Registration no. : IBM/960/2011

Mine Code: 38 CHG 14027

Volume -1 of 3 (Text)

PREPARED BY

MAHENDRA KUMAR GARG
Qualified Person
B.E. (Mining Engineering)

OM PRAKASH SHARMA
Qualified Person
B.E. (Mining Engineering)


क्षेत्रीय खान नियंत्रक,
Regional Controller of Mines
भारतीय खान ब्यूरो, रायपुर
Indian Bureau of Mines, Raipur

Annexure-1: Copy of Mining
Plan Approved by Indian
Bureau of Mines (IBM)


Annexure-2: Copy of Mines Working Permission Approved by Directorate General Mines Safety (DGMS)

Email Letter

Letter No
361560/WZ/Bilaspur Region/Perm/2019/2020/PL Letter PER106(2)(b) First Class with deep hole of MMR[2]



**भारत सरकार
Govt. of India
अम एवं रोजगार मंत्रालय
Ministry of Labour & Employment
सामान्य सुरक्षा महानिदेशालय
Directorate-General of Mines Safety**



NO: 361560/WZ/Bilaspur Region/Perm/2019/2020 Dhanbad, Date: 31/01/2019

To

The Agent

Shree Limestone Mine, M/s Shree Cement Limited.

Village: Semradith & Baharuadith, Dist: Baloda Bazar

Sub: Permission under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 for using Heavy Earth Moving Machineries (HEMMs) in conjunction with deep hole blasting at Shree Limestone Mine of M/s Shree Cement Limited: Renewal Thereof:-

Dear Sir,

Please refer to your online application No. 41530 and application dated 05.12.2018 and plans enclosed therewith, on the above subject.

The matter has since been examined on the basis of information furnished in your application under reference and shown on the enclosed plans and sections submitted by you.

In exercise of the powers conferred on the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under Regulations 106(2)(b) of the Metalliferous Mines Regulations, 1961, and by virtue of authorization granted to me by the Chief Inspector of Mines (also designated as Director General of Mines Safety) under Section 6(1) of the Mines Act, 1952, I hereby renew the permission for using Heavy Earth Moving Machineries (HEMMs) in conjunction with deep hole blasting at Shree Limestone Mine of M/s Shree Cement Limited granted earlier vide this Directorate letter No. BSP/93 dated 07.01.2014 for a further period of five years subject to the following conditions being strictly complied with:

- All the conditions specified in this Directorate's Relaxation letter no. BSP/93 dated 07.01.2014 shall be strictly complied with.
- GENERAL LIGHTING:
 - Adequate general lighting conforming to standards as specified in Notification No GSR-618(E) dated 28.04.2017, published in the Gazette of India dated 21.06.2017, Part-II Section 3(i), reproduced in DGMS (Legis.) Circular No.3 of 2017, issued under Regulation 148(2) of the Metalliferous Mines Regulations, 1961, shall be provided at different places in the mine if the mine is worked beyond day-light hours.
 - For better implementation of the illumination standards an illumination scheme shall be formulated which shall include an illumination plan. Illumination surveys at an interval not exceeding 30 days shall be conducted at all work-places to ascertain that stipulations of the standards specified are being complied with.

3. MISCELLANEOUS:

In the event of any change in the circumstances connected with this relaxation which is likely to endanger the life of persons employed in the mine or the mine, the mining operations for which this relaxation has been granted shall be stopped forthwith and intimation thereof shall be sent to this Directorate. The said mining operation shall not be resumed without express and fresh permission in writing from this Directorate.

3.1 If at any time any one of the condition, subject to which this relaxation has been granted, is violated or not complied with, this relaxation shall be deemed to have been revoked with immediate effect.

3.2 This relaxation may be amended or withdrawn at any time if considered necessary in the interest of safety and is being issued under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 only without prejudice to any other provisions of law which may be may become applicable at any time.

3.3 This relaxation is valid for a period of FIVE YEARS from 07.01.2019.

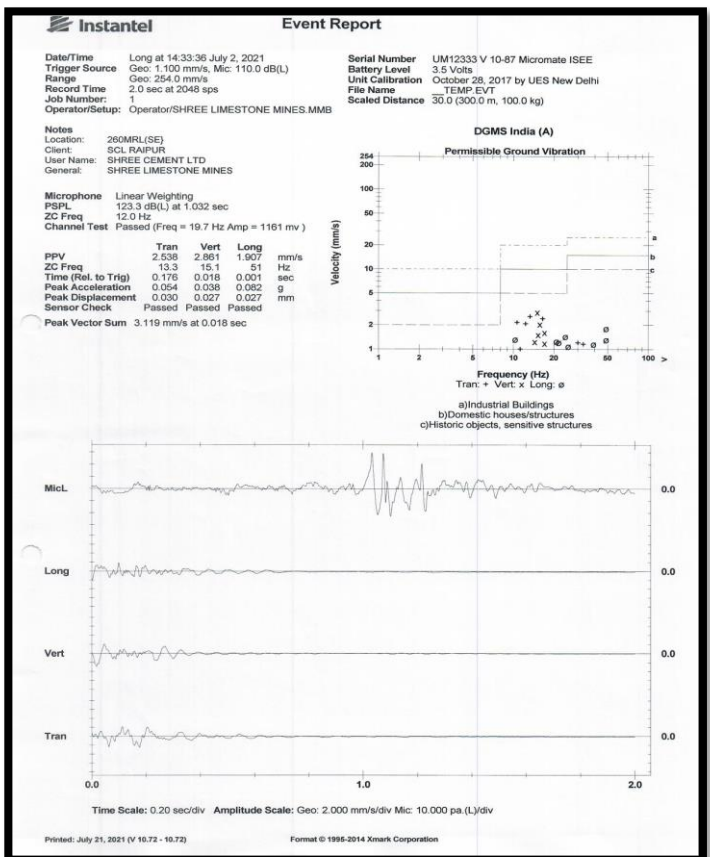
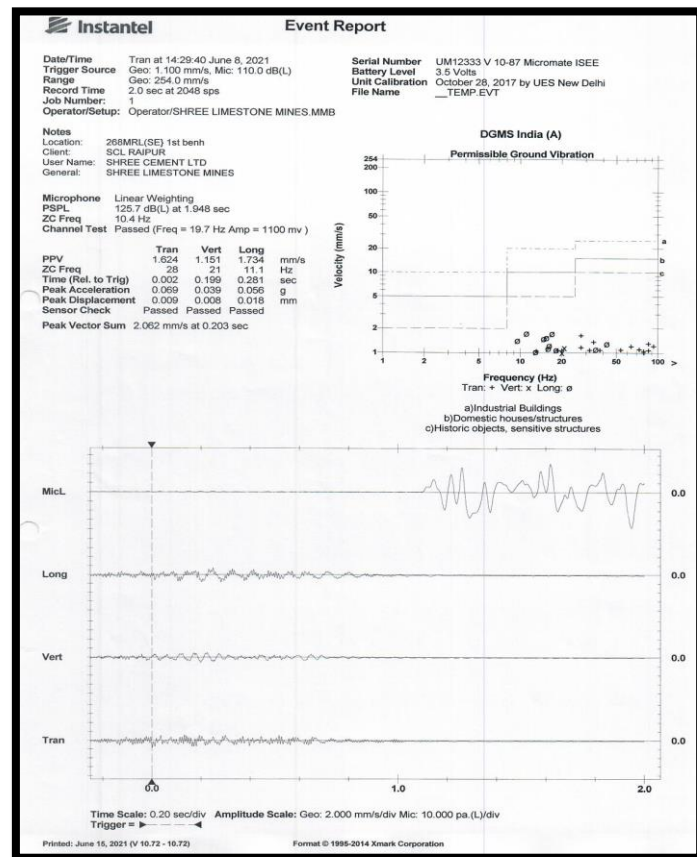
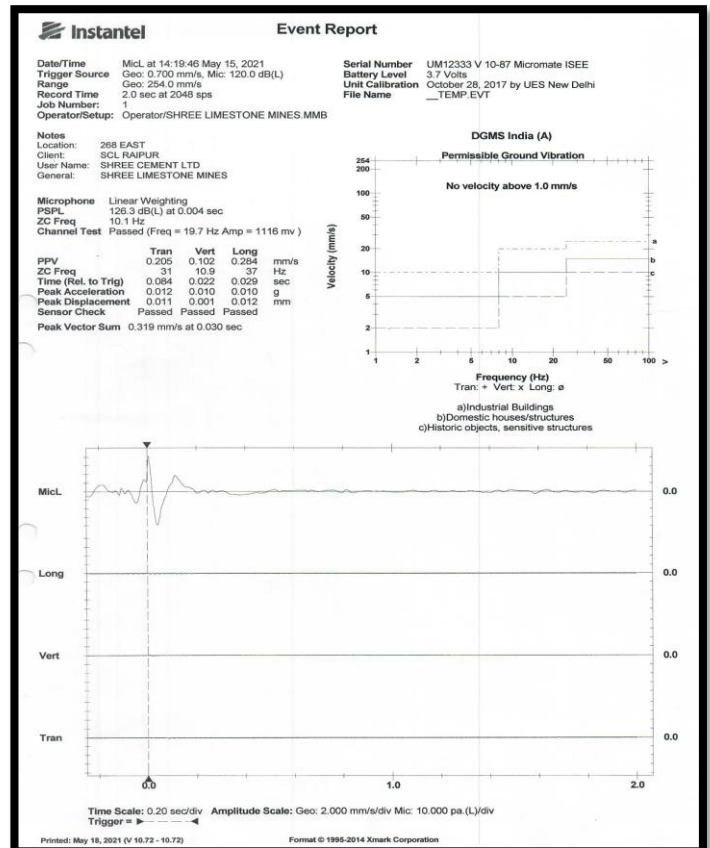
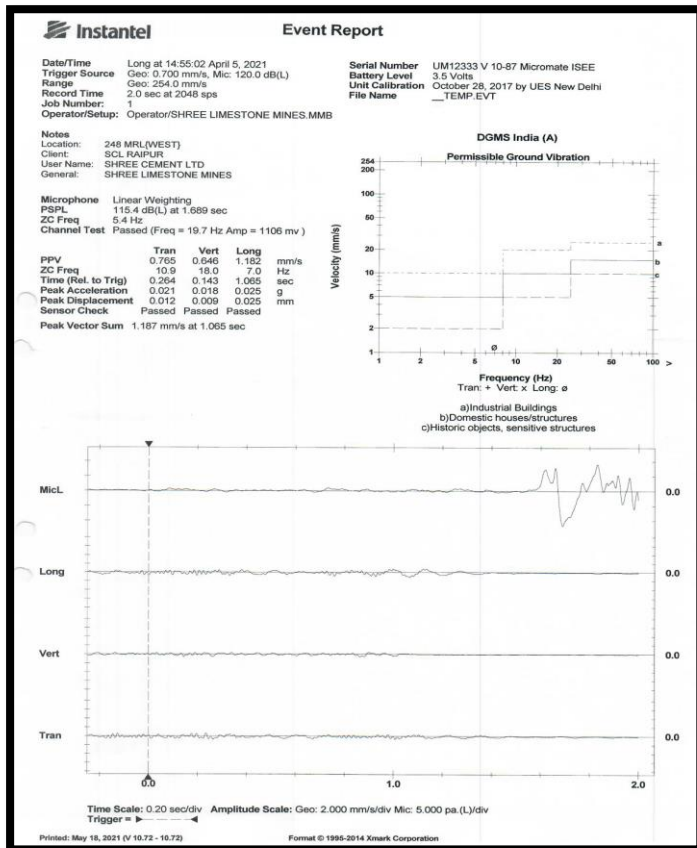
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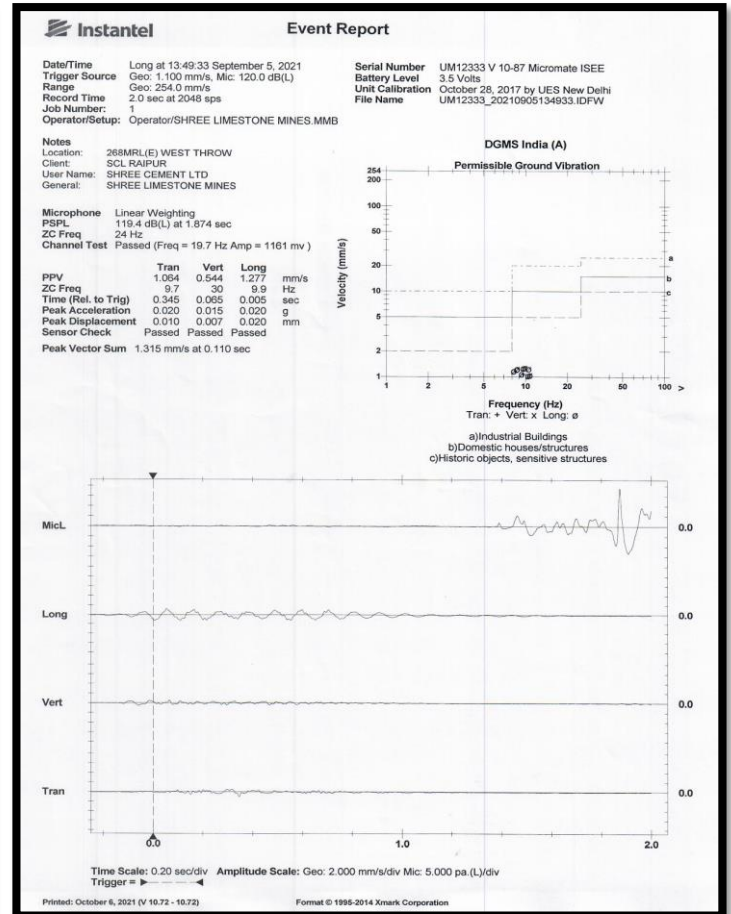
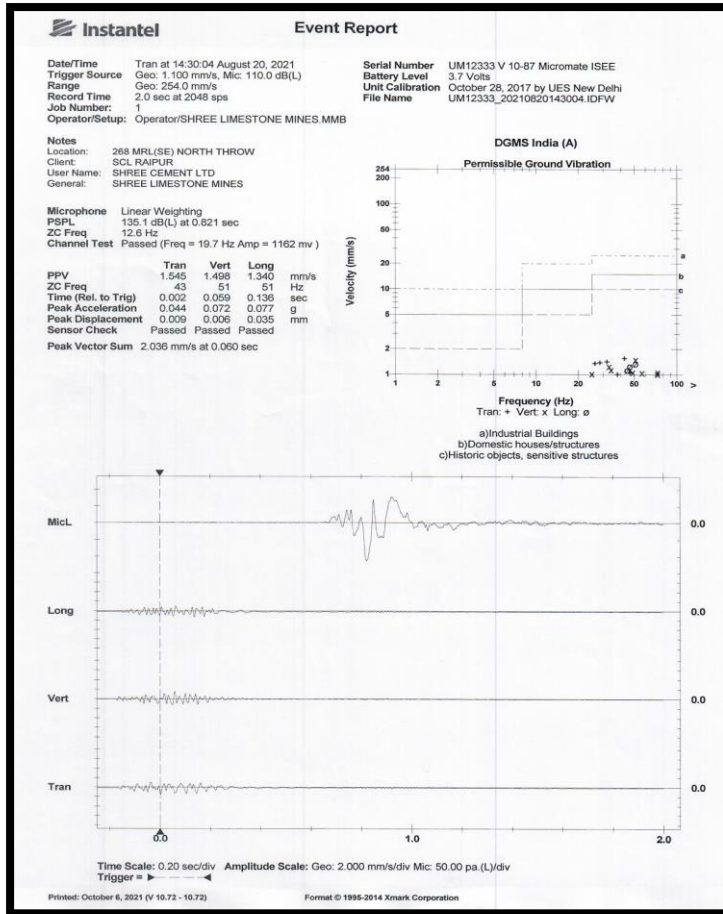
SHYAM SUNDAR PRASAD (Director - Bilaspur Region)

THIS IS A SYSTEM GENERATED DOCUMENT, DOES NOT REQUIRE ANY SIGNATURE.

Sr. No.	Condition	Compliance
2	The ground induced blasting vibrations shall be monitored regularly for every blast performed and the values of "peak particle velocity" and "Air Over Pressure" shall be maintained below the permissible values prescribed by the DGMS, from time to time.	Controlled blasting is being carried out with latest blasting technology by using non-electric down detonators with hole delay system and non-electric trunk line delay system at surface. Individual hole gives separate delay which gives minimum vibration level as well as low value of air blast on the surface. It reduced the vibration well below the permissible limit as prescribed by DGMS. Ground vibration being regularly monitored as well as air blast level with the help of latest Micromate Seismograph. Vibration Monitoring Report for the period April,2021 to September 2021 is attached as Annexure-3 .

Annexure-3: Copy of Vibration Monitoring Report





Sr. No.	Condition	Compliance
3	The total excavation shall not be exceeded to 14.72 MTPA, inter alia, including 11.06 MTPA Lime stone.	Mining is strictly being carried out as per the Mining plan approved by Indian Bureau of Mines (IBM) and Production details during the year 2020-2021 is as follows: - Top Soil generated: 5590 m ³ O.B generated: 3407083 MT Limestone Production: 5767492 Ton
4	PP shall implement the plantation program viz. from 2020 to 2025 [planting of total of 47500 saplings in an area of 19 ha (Virgin Area- 5000 saplings in 2 ha, Backfilled Area- 37500 saplings in 15 ha, Township Area- 5000 saplings in 2 ha], During the period from 2025 to 2030 [planting a total of 42500 saplings in an area of 17 ha (Virgin Area-5000 saplings in 2 ha, Backfilled Area- 37500 saplings in 15 ha)]. During the period from 2030 to 2035, [planting a total of 55000 saplings in an area of 22 ha (Virgin Area- 5000 saplings in 2 ha, Backfilled Area- 50000 saplings in 20 ha)] During the period from 2035 to end of mine, [plant a total of 114314	We have planted a total of 2,09,886 plants at different locations within the mining lease area, and during the period April, 2021 to September, 2021 14,200 of saplings were Planted. Plantation is also planned in the back filled and reclaimed area during the conceptual stage and around the water body at the end of the life of mines. As of now, no back filled area is available for plantation. Photographs of plantation is attached as Photo no. 1 & 2.

<p>saplings in an area of 45.05 ha (Virgin Area- 3814 saplings in 0.85 ha, Backfilled Area- 50000 saplings in 20 ha, Waste Dumps- 52500 saplings in 21 ha, Township Area- 8000 saplings in 3.2 ha)] Thus, as per the plan submitted by PP, during total life of mine [planting a total of 440000 saplings in an area of 176 ha (Virgin Area - 194500 saplings in 77.8 ha, Backfilled Area- 175000 saplings in 70 ha, Waste Dumps- 52500 saplings in 21 ha, Township Area-18000 saplings in 7.2 ha)] is proposed to be planted. PP should annually submit the audited statement of expenditure along with proof of activities viz. photographs (before & after with geolocation date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.</p>	<p>Plantation report is being submitted annually to the Regional Office of MoEF&CC before 1st July of every year.</p>
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Photo 1 & 2: Showing Plantation at different locations in Mines

Sr. No.	Condition	Compliance
5	<p>The plantation on the remaining area at the lease boundary corresponding to 5.07 ha shall be completed within one year i.e. 2020-2021 which includes plantation of total of 12675 saplings covering an area of 5.07 ha [Block 1 (4250 saplings in 1.7 ha), Block 2 (1625 saplings in 0.65 ha), Block 3 (5300 saplings in 2.12 ha) and Block 4 (1500 saplings in 0.6 ha)]</p>	<p>We have completed plantation in the safety zone area. A total of 2,09,886 saplings have been planted in Mines area. Photographs of safety zone plantation is attached as Photo no. 3.</p>



Photo 3: Showing Safety Zone Plantation

Sr. No.	Condition	Compliance
6	The approved conservation plan prepared for 2 species of Schedule- I viz. Indian Rock Python (Pythodmolurus) & Indian Monitor Lizard (Varanus bengalensis) shall be implemented. The approved budget of Rs 36.30 lakhs (for 3 years) shall be deposited in the government account.	The payment of Rs. 36.30 Lakh has already been made to forest department. And implementation of wildlife conservation plan shall be carried out by forest department.
7	The PP shall fulfil the Commitment made during Public Hearing which inter-alia include activities proposed under CER such as development of sport facility; water arrangement; vocational training; promoting the farming work; self- employment work; and village based work; construction of drainage & water tank; etc. In addition to this provision for distribution of surplus (to the tune of 805 KLD) mine pit water, to the nearby villages such as Semaradih, Khapradih and Bharwadih etc. for irrigation purposes through pipelines for onwards for gainful use shall be made within 5 years. PP should annually submit the audited statement along with proof of activities carried to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year. The CER shall be followed as per the OM dated 1 st May, 2018.	We are implementing all the commitments made during the Public Hearing conducted while seeking the environmental clearance under CSR initiative. CSR expenditure for the period April, 2021 to September 2021 is attached as Annexure-4 . Implementation report along with monetary expenditure is being submitted to RO, MoEF&CC on yearly basis before 1 st July of every year.

Annexure 4: CSR Expenditure Details

Shree Limestone Mines (A Unit of Shree Cement Limited)		
Sl No.	Description	Amount in Rs.
1	Activities under COVID-19 relief	5,56,679
2	Supply of ventilators at newly set up Covid Hospital	14,65,002
3	Sanitization of nearby villages	3,291
4	Supply of oxygen cylinders to Various Dist. hospital	25,98,596
5	Supply of refill oxygen cylinders to Dist. hospital	22,56,482
6	Monetary support to Govt. Schools (15th August)	25,000
7	Support to BPL family for Girl's Marriage	2,60,524
8	Purchase of Vermicompost for Plantation	24,900
9	Monetary support to various socio-cultural functions (Vishwakarma Pooja, Ganesh Pooja, Durga Pooja, Dussehra etc.)	7,70,000
10	Construction of Jyoti Kakshak	1,29,802
11	Bore well Submersible Pump provided at Semaradih Village	29120
	Total	81,19,396


Sr. No.	Condition	Compliance
8	All the mitigation measures committed / envisaged in the EIA/EMP report and subsequent submission shall be implemented. PP should annually submit the audited statement along with proof of activities carried to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.	Adequate funds are available for Capital and Recurring to implement the EMP. Total environmental Expenditure for the period April to September 2021 is attached as Annexure- 5.

Annexure 5: Details of Environment Expenditure

SL No.	Description	Amount in Rs.
1	Technical Consultancy	5,27,816
2	Environment Monitoring	1,41,240
3	Plantation	32,05,014
4	Housekeeping & Vacuum Sweeping	23,62,127
5	Energy Consumption in Pollution Control Devices	92,910
	Total	63,29,107

Sr. No.	Condition	Compliance
9	PP shall use the ground water only after obtaining approval from CGWA and State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) for expansion proposal after 07.04.2023, till the project proponent obtains such permission.	Obtained NOC from CGWA for withdrawal of 3000 KL/ Day of ground water vide letter no. 21-4(36)/NCCR/CGWA/2008-2079 dated 24.10.18. Valid up to 07.04.2023. The copy of the same is attaches Annexure-6 .

SRCP
DOC Received On
30/10/18
Regional Director


भारत सरकार
केन्द्रीय भूमि जल प्राधिकरण
जल संसाधन, नदी विकास
और गंगा संरक्षण मंत्रालय
Government of India
Central Ground Water Authority
Ministry of Water Resources,
River Development & Ganga Rejuvenation

CGWA/IND/Proj/2018-332-R

No.21-4(36)/NCCR/CGWA/2008-2079 Dated:- 24 OCT 2018

To
M/s Shree Raipur Cement Plant
Unit of Shree Cement Ltd.
Village Khaparadih, Block Balodabazar,
District Balodabazar-Bhatapara, Chhattisgarh - 493196

Sub:- Renewal of NOC for ground water withdrawal to M/s Shree Raipur Cement Plant (Unit of Shree Cement Ltd.) in respect of their existing "Integrated Cement Plant, Clinker, Power Plant, Colony & Limestone Mines" located at Villages Khaparadih, Semaradih & Bharuadih, Block Simga & Balodabazar, District Balodabazar-Bhatapara, Chhattisgarh - reg.

Refer to your application dated 07/03/2018 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur vide their office letter No. No. 35-1/NCCR/CGWA/Vol.XI-915 dated 05/09/2018, and further deliberations on the subject, the renewal of NOC issued vide this office letter of even no. dated 08/04/2015 is hereby accorded to M/s Shree Raipur Cement Plant (Unit of Shree Cement Ltd.) in respect of their existing "Integrated Cement Plant, Clinker, Power Plant, Colony & Limestone Mines" located at Villages Khaparadih, Semaradih & Bharuadih, Block Simga & Balodabazar, District Balodabazar-Bhatapara, Chhattisgarh. The renewed NOC is valid from 08/04/2018 to 07/04/2023 and subject to the following conditions:-

1. The firm may continue to abstract 3,000 cu.m/day (not exceeding 10,95,000 cu.m/year) of ground water and dewatering mine seepage on account of mining intersecting the water table through fifteen (15) existing bore wells only. No additional ground water abstraction structures shall be constructed for this purpose without prior approval of the CGWA.
2. All the wells shall be fitted with digital water flow meters by the firm at its own cost and monitoring of monthly ground water abstraction data of each well shall be recorded in a log book. Compliance to this condition shall be reported within one month from the date of issue of this letter.
3. M/s Shree Raipur Cement Plant (Unit of Shree Cement Ltd.), shall, continue to implement ground water recharge measures to the tune of 6,00,000 m³/year for augmenting the ground water resources of the area. Firm shall also undertake periodic maintenance of recharge structures at its own cost.

18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone : (011) 23383561 Fax : 23382051, 23386743
Website: www.cgwa.noc.gov.in
रक्षित जल - सुन्दर सुराहाल कल
CONSERVE WATER - SAVE LIFE

Annexure-6: Copy of CGWA NOC

Sr. No.	Condition	Compliance
10	PP shall implement the topsoil management plan as submitted to the Ministry.	As per approved mining plan, top soil generated is being stacked separately at earmarked area and used for plantation along mines lease boundary area. The details of top soil generated, utilized and stacked are as follows Top soil generated: 5590 m ³ Top soil stacked: Nil Top soil utilized for plantation : 5590 m ³
11	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India the mining lease holder shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	We shall under take re-grassing after backfilling at the end of life of mines.

B. Standard Conditions:

I. Statutory compliance

1	The EC granted to the project is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/ construe to approvals/ consent/ permissions, etc. required to be obtained under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project.	Noted
2	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	Not applicable As this Judgement is not applicable to of Hon'ble Supreme Court dated 2nd August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors
3	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Not applicable No compensation levied for illegal mining by Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.

Sr. No.	Condition	Compliance
4	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-1A. II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	The compliance of mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-1A. II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area' is attached as Annexure-7 .

Annexure-7: Compliance of "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area"

Sl No.	Condition	Compliance Status
A	The Project Authority shall adopt Best Mining practice for the given mining conditions. In the mining area, adequate number of check dams, retaining walls/structures, garland drains and settling ponds should be provided to arrest the wash - off with rain water in catchment area.	Mining is strictly being carried out as per the Mining plan approved by IBM We have constructed retaining walls, garland drains, settling pond at appropriate locations inside mines area to arrest the run - off with rain water in catchment area.
B	The natural water bodies and or streams which are flowing in and around the village should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Authorities have to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table.	There are no natural water course/water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease area. For augmentation of ground water table, we have constructed water harvesting pond of capacity 2.5 lakh KL and developed mines pit to harvest 2.5 lakh KL rain water. Water level is monitored on regular basis by installing piezometer within the mines area and by help of manual water level meter in the buffer zone area.
C	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. The Project Proponents (PPs) must ensure that the biological clock of the villagers is not disturbed by orienting the floodlights/ masks away from the villages and keeping the noise levels well	No mining activities are carried out with in an area of 300 m from village boundary. Blasting is also carried out in day time only. Controlled blasting is being carried out with latest blasting technology by using NONEL technology to control noise and vibration. Lighting arrangement is done towards the active mining area away from village area, there is no disturbance caused to nearby villages due to

	within the prescribed limits for day/night hours.	illumination and noise during night time.
D	The Project Authority shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing. In this context, Project Authority should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun should be scrupulously guarded against felling lest the cattle abandon the grazing ground or return home by noon.	Not Applicable. As no grazing land present within the mining lease area.
E	Where ever blasting is undertaken as part of mining activity, the Project Authority shall carry out vibration studies well before approaching any such habitats or other buildings to evaluate the zone of influence and impact of blasting on the neighbourhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative means of mineral extraction, such as ripper/dozer combination/rock breakers/ surface miners etc. should be seriously considered and practiced wherever practicable. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling units could be ascertained. The covenant of lease deed under Rule 31 of MCR 1960 provides that no mining operations shall be carried out within 50 meters of public works such as public roads and buildings or inhabited sites except with the prior permission from the Competent Authority.	No blasting is carried out near habitats or other buildings. However, controlled blasting is being carried out with latest blasting technology by using non-electric down detonators with hole delay system and non-electric trunk line delay system at surface. Individual hole gives separate delay which gives minimum vibration level as well as low value of air blast on the surface. It reduced the vibration well below the permissible limit as prescribed by DGMS. Ground vibration being regularly monitored as well as air blast level with the help of latest Micromate Seismograph.
F	Main haulage road in the mine should be provided with permanent sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt- conveyors should be fully covered to avoid air borne dust.	Water is being sprayed on haul road, loading and unloading point with help of mobile water tankers. Lime Stone crusher hopper is fitted with dry fog system. Limestone is transported through pipe conveyor and closed conveyor system from crusher to plant.
G	The Project Authority shall ensure that the productivity of agricultural crops is not affected due to mining operations. Crop Liability Insurance Policy has to be taken by the PP as a precaution to compensate for any crop loss. The impact zone shall be 5 km from the boundary of mine lease-area for such insurance policy. In case, several mines are located in a cluster, the Associations of owners of the cluster mines, formed inter-alia, to sub- serve such an objective, shall take responsibility for securing such Crop Liability Policy.	We have General Liability Insurance Policy which includes compensation for any accidental crop damage due to mining activities. The Copy of General Liability Insurance is attached as Annexure-8 .

H	In case any village is located within the mining leasehold which is not likely to be affected due to mining activities during the life of mine, the Expert. Appraisal Committee (EAC) should consider the proposal of Environmental Clearance (EC) for reduced mining area. The Mining lease may be executed for the area for which EC is accorded. The mining plan may also be accordingly revised and required stipulations under the MMDR Act, 1957 and MCR, 1960 met.	Not Applicable. No village present within the mining lease area.
I	Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sounds dust and accidents could be mitigated. The PP shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.	Not Applicable. Mineral transportation is done through covered conveyor belt.
J	Likewise, alteration or re-routing of foot paths, pagdandies, cart roads, and village infrastructure/public utilities or roads (for purposes of land acquisition for mining) shall be avoided to the extent possible and in case such acquisition is inevitable, alternative arrangements shall be made first and then only the area acquired. In these types of cases, Inspection Reports by site visit by experts may be insisted upon which should be done through reputed Institutes.	Not Applicable. Mineral transportation is done through covered conveyor belt.
K	As CSR activities by Companies including the Mining Establishments has become mandatory up to 2% of their financial turn-over, Socio Economic Development of the neighbourhood Habitats could also be planned and executed by the PPs more systematically based on the 'Need based door to door survey' by established Social Institutes/Workers on the lines as required under TOR. "R&R Plan/compensation details for the Project affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SC's /ST's and other weaker sections of the society in the study area, a need based sample survey, family wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral	CSR activities are carried out and the details of CSR activities are attached as Annexure-4 .

programmes of line departments of the State Government. It may be clearly brought out whether the village located in the mine lease area will be shifted or not. The issues relating to shifting of village including their R&R and social-economic aspects should be discussed in the EIA report.”

Annexure-8: Copy of General Liability Insurance

HDFC ERGO General Insurance Company Limited

ENDORSEMENT

Name of the Insured : SHREE CEMENT LIMITED
 PAN Number : AACCS8796G
 Policy Number : 3117202570413202000
 Type of Policy : Commercial General Liability Insurance
 Policy Expiry Date : 14 December 2021
 Endorsement Type : General Endorsement
 Endorsement Number : 3117202570413202001
 Endorsement Effective Date : 05 October 2021
 Date of Issue : 09 October 2021

It is hereby agreed and declared at the request of the insured that Form 75-02-0052R 03-04 (Endorsement-Designated Premises or Project) under the schedule of the captioned policy stands amended to include as attached herewith.

For Queries/Claim Services	Customer Service no: 022 - 6234 6234 / 0120 - 6234 6234	E-mail: care@hdfcergo.com	SAC Code	997139
Address	6th Floor, Leela Business Park, Andheri-Kurla Road, Andheri(E), Mumbai 400 059			

Subject otherwise to the terms, conditions and exclusions of Policy.

For HDFC ERGO General Insurance Company Limited

Vargotra

Authorized Signatory
 Goods and Service Tax Registration No: 07AABCL5045H1ZA
 The contract will be cancelled ab initio in case, the consideration under the policy is not realized.
 Note: Information obtained from insured, whether orally or otherwise, is captured in the endorsement document. Discrepancies, if any, in the information contained in the endorsement document may be pointed out by an insured within 15 days from the endorsement issue date after which information contained in the endorsement document shall be deemed to have been accepted as correct.

Branch : GROUND FLOOR, EROS CORPORATE TOWER - NEHRU PLACE, NEW DELHI SOUTH DELHI, 110019. Phone No. : +91-11-30294200

Broker Name : NA
 Broker Code : NA

3117202570413202001 Page 1 of 2

HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited) URN:RDANI25P0001/01200607 | RDAI Reg No. 146 | CIN : U66030MH2007PLC177117

Registered & Corporate Office: 1st Floor, HDFC House, 150/151 Bandra Reclamation, H.T. Park Marg, Mumbai - 400 025
 Customer Service Address: D 301, 3rd Floor, Eastern Business District (Magnet Mall), LBS Marg, Bandrup (West), Mumbai - 400 078
 Customer Service no: 022 - 6234 6234 / 0120 - 6234 6234 Telephone: 022 6638 3000 Fax: 022 6638 3699 Email: care@hdfcergo.com

HDFC ERGO General Insurance Company Limited

Commercial General Liability Insurance

Endorsement

Policy Period : From: 15 December 2020 To: 14 December 2021
 Effective Date : 05 October 2021
 Policy Number : 3117202570413202000
 Insured : SHREE CEMENT LIMITED
 Name of Company : HDFC ERGO General Insurance Company Limited
 Date Issued : 09 October 2021

This Endorsement applies to the following forms:

The following provision is added to this policy.

Endorsement-Designated Premises or Project
 This insurance only applies to injury or damage (to which this insurance applies), resulting from the ownership, maintenance or use of the Premises or Project shown in the Schedule, including property thereon and operations on such Premises or Project that are necessary and incidental to the ownership, maintenance or use of the Premises or Project.

Schedule
 Designated Premises Or Project

As per Annexure attached

All other terms and conditions remain unchanged.

Vargotra

Authorized Representative

3117202570413202001 Page 2 of 2

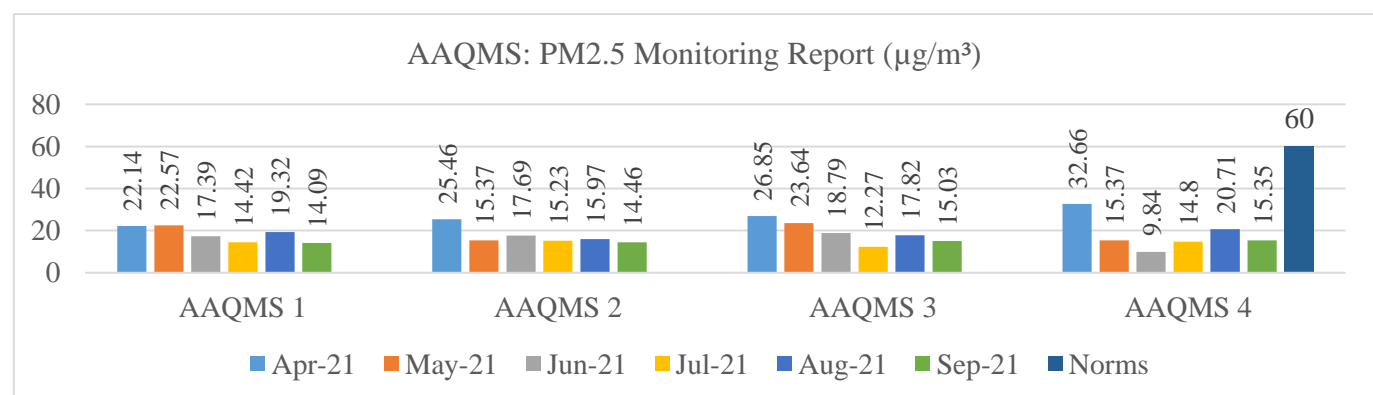
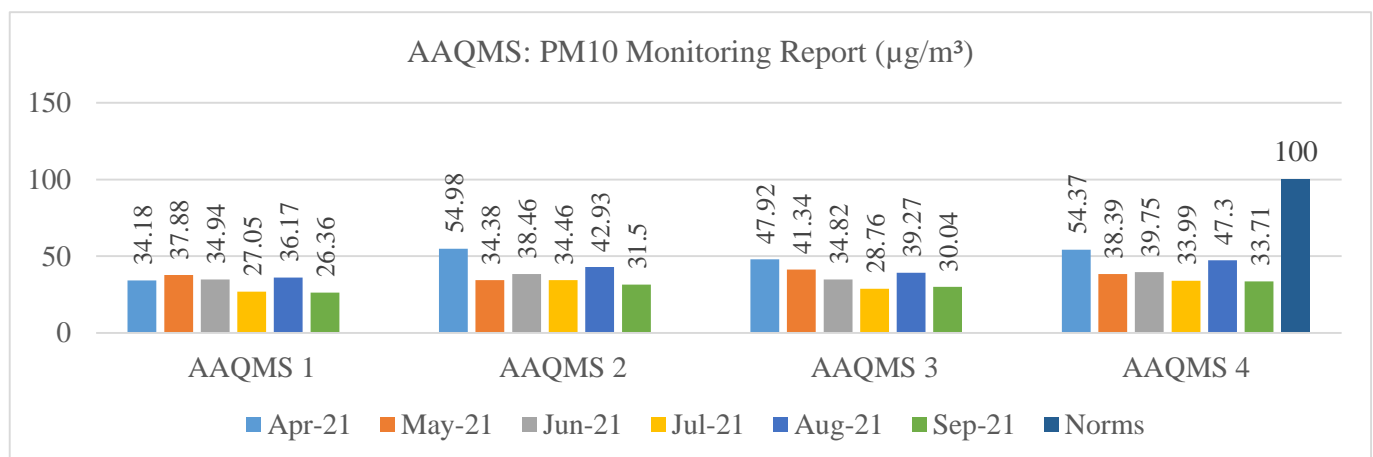
HDFC ERGO General Insurance Company Limited (Formerly HDFC General Insurance Limited) URN:RDANI25P0001/01200607 | RDAI Reg No. 146 | CIN : U66030MH2007PLC177117

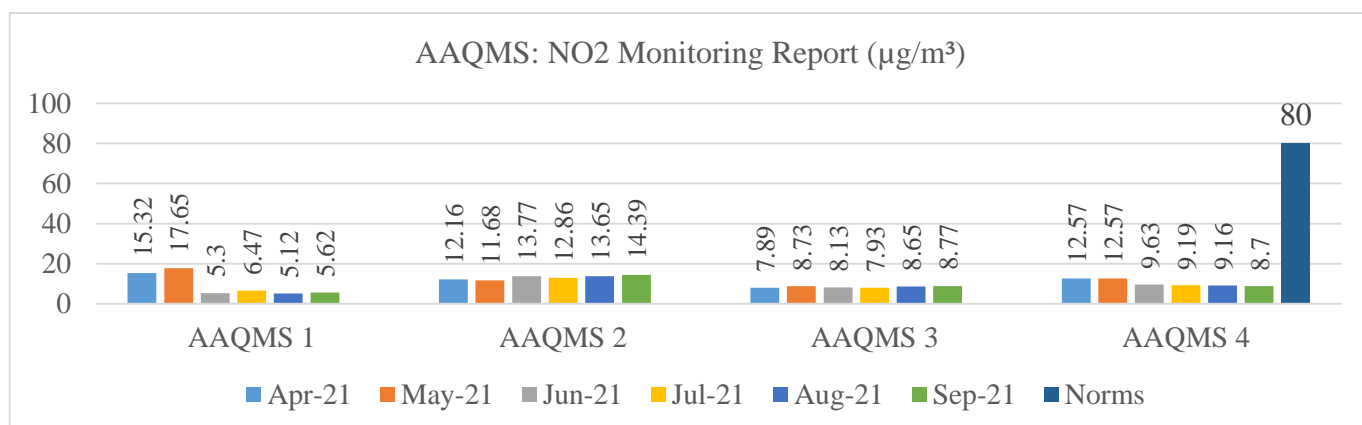
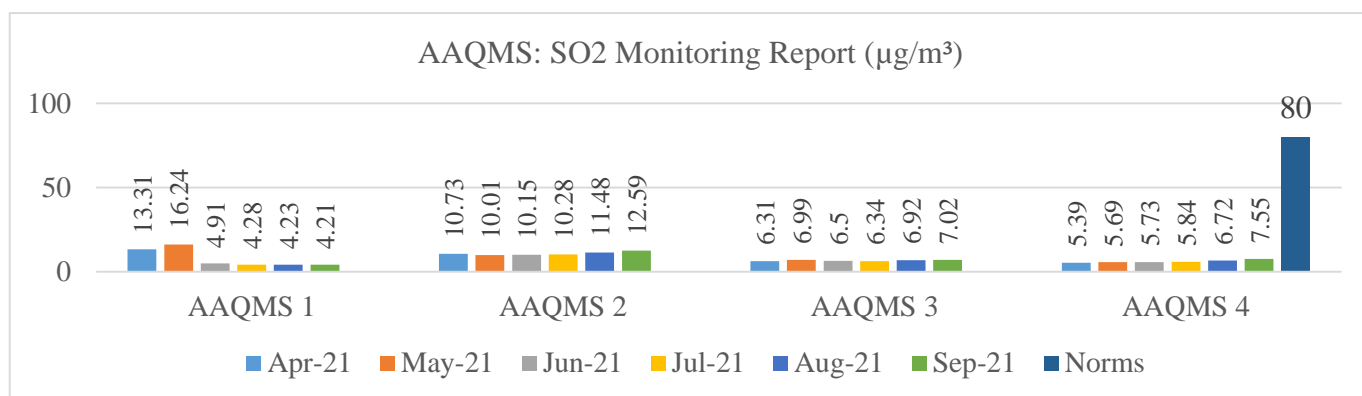
Registered & Corporate Office: 1st Floor, HDFC House, 150/151 Bandra Reclamation, H.T. Park Marg, Mumbai - 400 025
 Customer Service Address: D 301, 3rd Floor, Eastern Business District (Magnet Mall), LBS Marg, Bandrup (West), Mumbai - 400 078
 Customer Service no: 022 - 6234 6234 / 0120 - 6234 6234 Telephone: 022 6638 3000 Fax: 022 6638 3699 Email: care@hdfcergo.com

Sr. No.	Condition	Compliance
5	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.	Circulated to concerned Panchayat vide letter dated: - 01.09.2020.
6	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	It is state Board's responsibility.
7	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The	Granted EC was advertised in local newspapers in English & regional languages within 7 days of its grant. The advertisement is attached as Annexure- 9 .

9	<p>The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.</p>	<p>Installed 4 numbers of AAQMS for the measurement of PM10, PM2.5, CO, SO2 and NOx level and real time data are linked with SPCB and CPCB server.</p> <p>The above data digitally displayed in front of the main Gate of the mine & plant site. The Online & manual Ambient Air Quality Monitoring report is attached as Annexure-10.</p>
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Annexure 10: Continuous Ambient Air Quality Monitoring





Continuous Ambient Air Quality Monitoring Report (Monthly Average Values) (µg/m ³)								
Location	Parameter	Norms	Monitoring Period					
			Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
AAQMS-1 Mines Boundary towards village Bharuwadih	PM10	100	34.18	37.88	34.94	27.05	36.17	26.36
	PM2.5	60	22.14	22.57	17.39	14.42	19.32	14.09
	SO ₂	80	13.31	16.24	4.91	4.28	4.23	4.21
	NO _x	80	15.32	17.65	5.30	6.47	5.12	5.62
AAQMS-2 Mines Boundary towards village Semradih	PM10	100	54.98	34.38	38.46	34.46	42.93	31.50
	PM2.5	60	25.46	15.37	17.69	15.23	15.97	14.46
	SO ₂	80	10.73	10.01	10.15	10.28	11.48	12.59
	NO _x	80	12.16	11.68	13.77	12.86	13.65	14.39
AAQMS-3 Plant Boundary towards South Direction	PM10	100	47.92	41.34	34.82	28.76	39.27	30.04
	PM2.5	60	26.85	23.64	18.79	12.27	17.82	15.03
	SO ₂	80	6.31	6.99	6.50	6.34	6.92	7.02
	NO _x	80	7.89	8.73	8.13	7.93	8.65	8.77
AAQMS-4 Plant Boundary towards village Khapradih	PM10	100	54.37	38.39	39.75	33.99	47.30	33.71
	PM2.5	60	32.66	15.37	19.84	14.80	20.71	15.35
	SO ₂	80	5.39	5.69	5.73	5.84	6.72	7.55
	NO _x	80	12.57	12.57	9.63	9.19	9.16	8.70

Sr. No.	Condition	Compliance
10	<p>Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment's / machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.</p>	<p>Water is being sprayed on haul road, loading and unloading point with help of mobile water tankers. Photograph of mobile water tanker is attached as Photo no. 4. APC device installed at all possible locations for controlling dust generation. Ambient air quality is being monitored as per CPCB guidelines and results are well within the prescribed norms. The Ambient Air Quality Monitoring report for the period April, 2021 to September 2021 is attached as Annexure-10.</p>



Photo 4: Showing Water Sprinkling through Mobile Water Tanker

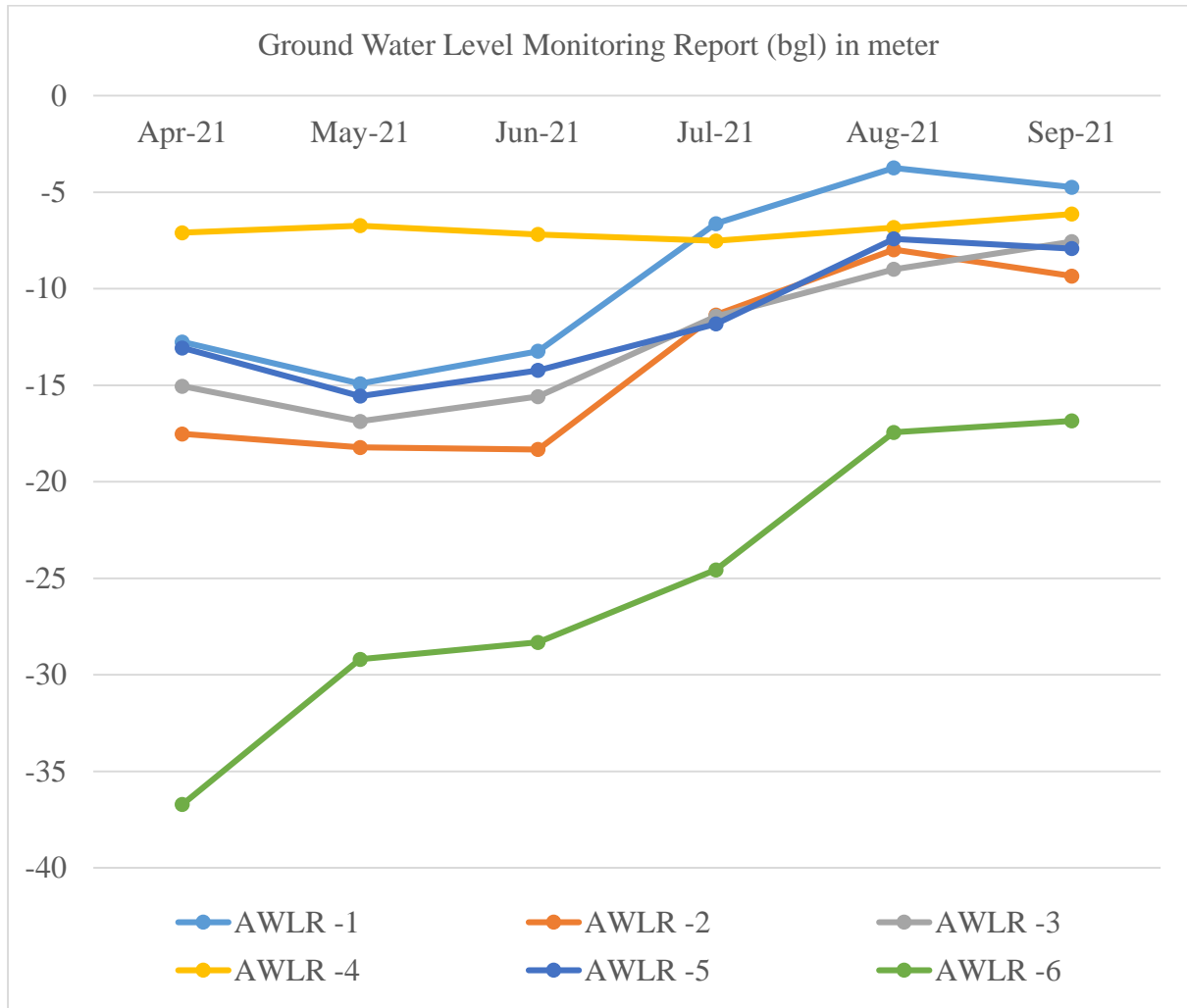


Photo 5 & 6: Showing Piezometric Well installed at different locations within Mines Area

III. Water quality monitoring and preservation

Sr. No.	Condition	Compliance
11	In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection Of ground water table shall essentially be based on detailed hydro-geological study of the area.	Obtained NOC from CGWA for withdrawal of 3000 KL/ Day of ground water vide letter no. 21-4(36)/NCCR/CGWA/2008-2079 dated 24.10.18. Valid up to 07.04.2023. The copy of the same is attaches Annexure-6 .
12	Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.	<p>We have established a network of Bore wells and piezometers for Regular monitoring of ground water level and quality at core zone and buffer zone. Photograph of piezometric observations wells are attached as Photo no. 5 & 6</p> <p>Data collected are being submitted to the MOEF&CC and its Regional Office, Central Ground Water Authority and State Ground Water Board annually. The ground water level monitoring report for the period April to September 2021 is attached as Annexure-11.</p>

Annexure-11: Ground Water Level Monitoring Report



Ground Water Level Monitoring Report (bgl) in meter							
Sl NO.	Month	AWLR-1 (Near Old Mines Gate)	AWLR-2 (Near Khapradih Gate)	AWLR-3 (Near Semradih Village)	AWLR-4 (Near CAAQMS-3)	AWLR-5 (Near Crusher-1)	AWLR-6 (Near Khapradih Village)
1	Apr-21	12.76	17.52	15.05	7.10	13.07	36.72
2	May-21	14.92	18.22	16.87	6.73	15.56	29.20
3	Jun-21	13.24	18.33	15.59	7.19	14.23	28.32
4	Jul-21	6.63	11.36	11.43	7.52	11.82	24.56
5	Aug-21	3.74	7.98	8.99	6.83	7.42	17.44
6	Sep-21	4.74	9.34	7.56	6.13	7.92	16.85

Sr. No.	Condition	Compliance
13	<p>The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.</p>	<p>Not Applicable There is no natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease area.</p>
14	<p>Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.</p>	<p>Not applicable There is no polluted water generated from mining operations. As the mines runoff water diverted into the pit & being reused in mining operations like dust suppression & plantation purposes. Only HEMM washing is carried out and it is used for dust suppression in crusher after removal of oil and grease contents if any. Sewage water generated from mine office utility is disposed-off in STP situated in Plant.</p>
15	<p>Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.</p>	<p>We have developed a pond of 2.5 lacs KL storage capacity of rain water harvesting pond & 2.5 lacs KL storage capacity of mines pit for recharge the ground water. Further in residential colony one pond of 20,000 KL is developed. Photograph of Rain water harvesting pond & mines pit is attached as #Photo- 7 & 8.</p>



Photo 7 & 8: Showing RWH Pond 1 & 2 within Mines Area

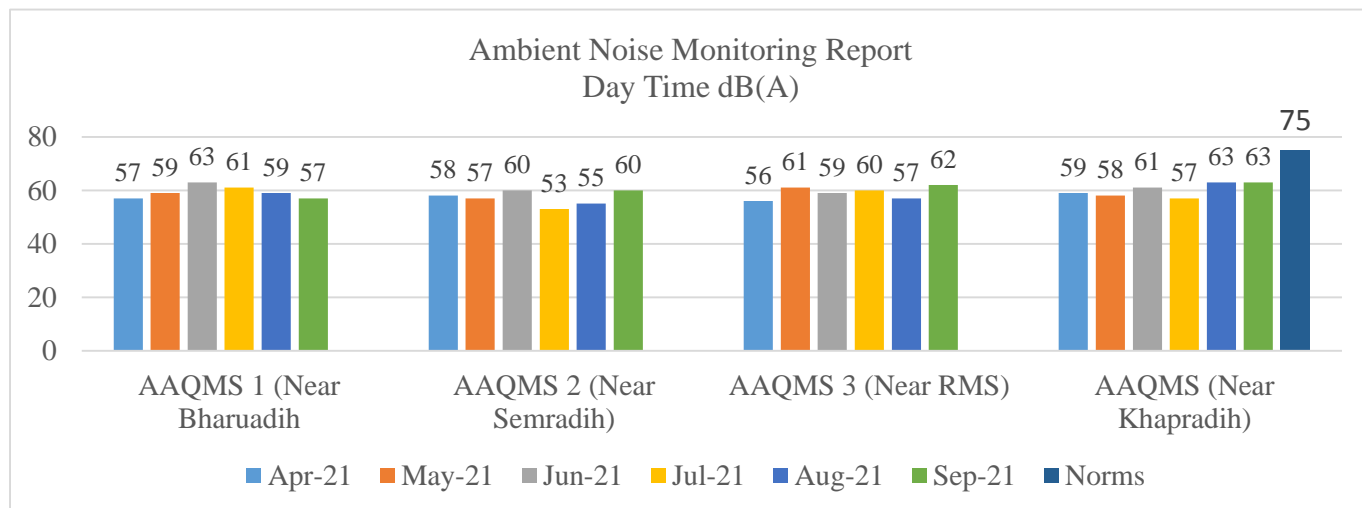
Sr. No.	Condition	Compliance
16	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	Waste water generated from washing of HEMM is reused for washing of HEMM & dust suppression in crusher after oil and grease separation. Photograph of washing ramp present at Mines workshop is attached as Photo no. 9 .

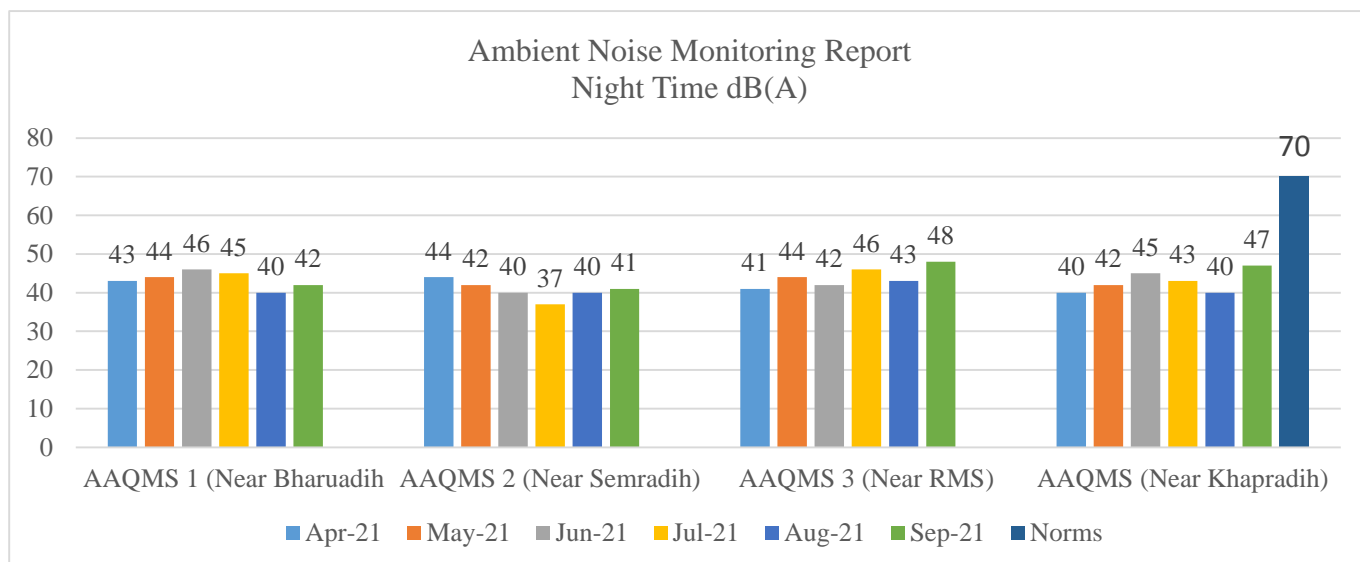


Photo 9: Showing Washing Ramp provided for servicing of HEMMS

Sr. No.	Condition	Compliance
17	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.	Water balance/water auditing is carried out and measure for reducing the consumption of water are taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.
IV. Noise and vibration monitoring and prevention		
18	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Mining is being carried out as per the mining plan approved by IBM and guidelines provided by the Directorate General Mines Safety (DGMS).
19	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day night hours.	All the mining activities is being carried out as per norms of DGMS to maintain illumination and sound level.
20	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.	All HEMM are fitted with AC cabin. Measures being taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. are provided with ear plugs/ muffs. Noise Monitoring report of Core zone & buffer zone of mines are attached as Annexure 12 .

Annexure 16: Noise Monitoring Report





Shree Raipur Limestone Mines Noise Monitoring Report - dB(A)									
S No.	Location	AAQMS-1 (Near Bharuadih)		AAQMS-2 (Near Semradih)		AAQMS-3 (Near RMS)		AAQMS-4 (Near Khapradih)	
	Month	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
1	Apr-21	57	43	58	44	56	41	59	40
2	May-21	59	44	57	42	61	44	58	42
3	Jun-21	63	46	60	40	59	42	61	45
4	Jul-21	61	45	53	37	60	46	57	43
5	Aug-21	59	40	55	40	57	43	63	40
6	Sep-21	57	42	60	41	62	48	63	47

V. Mining plan		
Sr. No.	Condition	Compliance
21	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).	Mining is being carried out as per the mining plan approved by IBM and guidelines provided by the Directorate General Mines Safety (DGMS). The copy of Approved Mining plan by Indian Bureau of Mines (IBM) is attached as Annexure-1 . Copy of Working Permission Approved by Directorate General Mines Safety (DGMS) is attached as Annexure-2 .
22	The shall be governed as per the approved Mining Plan. The excavation vis-à- vis backfilling in the mine lease area and corresponding afforestation to be raised	Mining excavation, backfilling, reclamation & afforestation is being carried out as per the mining plan approved by IBM. We shall

	in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self- sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.	ensure monitoring and management of rehabilitated areas until the vegetation becomes self- sustaining. The compliance status of Final Mines Closure Plan shall be submitted on half-yearly basis to the IBM, MoEFCC and its concerned Regional Office.
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VI. Land reclamation

23	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps/ topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.	As per approved mining plan, O.B. and top soil generated is being stacked separately at earmarked area and used for plantation along mines lease boundary area. The Photograph of O.B stacked at earmarked area is attached as Photo no. 10.
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Photo 10: Showing Plantation of O.B Dump

Sr. No.	Condition	Compliance
24	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.	The waste dump is being stacked at an earmarked site(s) inside ML Area and the Dump height is being maintained with proper sloping & dump slopes are planted with native species for dump stabilization. Photograph of the same is enclosed as Photo no. 10.

25	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be desilted regularly, particularly after monsoon season, and maintained properly.	Garland drains and siltation pond has been constructed to collect rain water and the structures are regularly desilted during the pre-monsoon period. Photograph of garland drains is attached as Photo no. 11 .
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Photo 11: Showing Garland Drain

Sr. No.	Condition	Compliance
26	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years' data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.	Garland drains and siltation pond has been constructed to collect rain water. Photograph of garland drains is attached as Photo no. 11 .
VII. Transportation		
27	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the	Not applicable Lime Stone being transported through pipe conveyor and closed conveyor system from

	<p>purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport]</p>	<p>crusher to plant. Photograph of conveyor belt is attached as Photo no. 12.</p>
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Photo 12: Showing Covered Conveyor Belt on the Right & Pipe Conveyor Belt on the Left

Sr. No.	Condition	Compliance
28	<p>The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided</p>	<p>Presently there is no permanent haul road in mine. Road from mines face to crusher is regularly wetted by water sprinkler and maintained by road grader and compactor. Road from Mine office to crusher is permanent and have been cemented.</p>

	with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.	<p>Photograph of Cemented haul road is attached as Photo no. 13.</p> <p>APC device installed at all possible locations for controlling dust generation. The belt conveyor is fully covered to avoid generation of dust while transportation of limestone. Photograph of conveyor belt is attached as Photo no. 12.</p>
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Photo 13: Showing Cemented Road in Mines Area

VIII. Green Belt		
Sr. No.	Condition	Compliance
29	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	7.5 Meter width wide green belt (Safety zone) has been developed surrounding the mining lease area. At present 2,09,886 plant saplings have been planted in mining area. Photograph of green belt (Safety zone) is attached as Photo no. 3.
30	The Project Proponent shall carryout plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in	Presently 2,09,886 saplings have been planted within the mining lease area.

	community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.	Additionally, under Hariyar Chhattisgarh project we have planted 15000 trees near School of Bharuwadih, Semradih, Khapradih, Chandi, Karahi & Parkidih villages with about 10 KM of both side of road plantation from Bharuwadih to chandi village and we have also planted about 15050 trees at Bhatapara. Apart from that, 5000 tree sapling have been also done in Railway siding. 4600 trees have been planted in colony area and 2000 trees has been planted near the Logistic building. Hariyar plantation Near Villages 14524. Photograph of plantation is attached as Photo no. 1 & 2.
31	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.	Not applicable As no grazing land involved.
IX. Public hearing and human health issues		
32	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Housing, fuel, toilets with soak pits & septic tank, safe drinking water, medical healthcare etc. has been provided to construction labours.
X. Corporate Environment Responsibility (CER)		
33	The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry 's O.M No 22-65/2017-1A. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be	CER activities & expenditure report is attached as Annexure-13.

	implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.	
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Annexure-13: Details of CER Expenses

S. No.	AREA OF CER	Expenditure FY- 2020-21 (Apr-21 to Sept-21) (Rs.)
1	Renovation of public health center of village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi. 1. Construction of Male, Female and child ward 15 nos. 2. Construction of Male & Female toilet 20 nos. 3. Water cooler 05 nos. 4. Ambulance – 05 nos.	--
2	Health management center with full-fledged medical check-up, doctors and nursing staff, free medicines and 10 beds for male & female ward for primary health treatment and availability of 24x7 ambulance at village Bharuadih.	--
3	Renovation of Govt. schools of village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi. 1. Construction of rooms: 25 rooms. 2. Construction of Male & Female toilet: 30 nos. 3. Water cooler 05 nos. 4. Computers labs- 05 nos. 5. Furniture's	--
4	English medium school of 12 th standards at village Bharuadih.	--
5	Sports complex in village Khaparadih and Bharuadih. 1. Construction of rooms: 2 rooms. 2. Construction of Male & Female toilet: 04 nos. 3. Water cooler 02 nos. 4. Preparation of playground: 02 nos. 5. Sports equipment's - 02 sets	--
6	Construction of roads in village: 1. Bharuadih : 02 Kms. 2. Chandi : 03 Kms.	Construction of CC road at Bharuadih village - 22,10,665
7	Construction of community center at village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi : 05 Nos.	Construction of Rangmanch at Chandi village - 89,366
8	Drinking water tank at village Lohari & Paunsari	--
9	Renovation of existing water ponds for rainwater recharge and plantation all around the boundary of pond at village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi.	Pond deepening & renovation work at village Bharuadih - 16,29,222

10	Subsidy on drip irrigation system, seeds and agroforestry in 100 Ha agriculture land in nearby village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi	--
11	Plantation in nearby villages along the roads, Govt. offices, and available free space at village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi @ 5000 per year.	--
12	Installation of solar street lights at community center, common area, dispensary, bus stand and school at village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi.	--
Total (Rs.)		39,29,253

V. Miscellaneous		
Sr. No.	Condition	Compliance
34	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC	Differential Global Positioning System (DGPS) in mine lease area has been carried out. It has been verified by Deputy Director Mines (DGM office) Balodabazar on 18.07.18. Copy enclosed as Annexure-14 .

कार्यालय कलेक्टर (खनिज) जिला बलौदाबाजार-भाटापारा छ.ग.

क्रमांक 1677/तीन-1/डीजीपीएस/2018 बलौदाबाजार दिनांक 18/07/2018

प्रति,

युनिट हेड
श्री सीमेंट लिमिटेड.
भरुवाडीह तहसील बलौदाबाजार
जिला बलौदाबाजार-भाटापारा

विषय:- Submission of DGPS Survey Report and Geo-Referencing cadastral maps as IBM Circular no. 2/2010 for Mining Lease area of M/s Shree Cement Ltd namely Semaradih and Bharuwadhi Limestone Mine (Lease Area 531.126 Hac)

संदर्भ:- आपका पत्र क्रमांक SFMPL/DMO/BALODABAZAR/65 दिनांक 26.6.2018

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उपरोक्त विषयान्तर्गत संदर्भित पत्र के तारतम्य में लेख है कि आपको ग्राम भरुवाडीह सेमराडीह के रकबा 531.126 हेक्टर क्षेत्र में दिनांक 11.1.2011 से 10.1.2061 तक स्वीकृत चूनापत्थर खनिपट्टा क्षेत्र का डीजीपीएस सर्वे कराये जाने उपरान्त प्रस्तुत GeoReferencing cadastral maps को सत्यापित कर एक प्रति आपको प्रदाय किया जा रहा है।

संलग्न:-उपरोक्तानुसार


18/07/2018
उप संचालक (खनिज प्रशासन)
महोदय कलेक्टर (खनिज) जिला बलौदाबाजार-भाटापारा

Annexure-14: Copy of Verification Letter by DGM Office, Balodabazar




Annexure-14: Copy of DGPS Map



V. Miscellaneous		
Sr. No.	Condition	Compliance
35	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted
36	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	<p>We are submitting six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.</p> <p>Copy of last six monthly compliance report submitted is attached as Annexure-15.</p>



SHREE RAIPUR CEMENT PLANT
 (A UNIT OF SHREE CEMENT LIMITED)
 Village : Khaparadih, Tehsil : Simga
 Distt. : Baloda Bazar-Bhatapara (C.G.) Pin : 493 332, Ph. : 07727-203101
 CIN No. : L26943RJ1979PLC001935

SRCP/ENV/2021-22/23 Date: - 24/05/2021

To,
 Deputy Director General of Forests (C),
 Integrated Regional Office
 Aranya Bhawan, North Block, Sector-19,
 Naya Raipur, Atal Nagar, Chhattisgarh.

Sub: - Regarding compliance for the period October-2020 to March-2021 to the conditions of Environment Clearance for Limestone Mine with enhancement of Limestone production capacity from 8.6 Million TPA to 11.06 Million TPA (ML area 531.126 ha.) located near village Semaradih & Bharuwadih, Tehsil - Balodabazar in District - Baloda Bazar - Bhatapara (Chhattisgarh) by Shree Raipur Cement Plant (A unit of Shree Cement Limited).

Ref: - Environment Clearance Letter No. J-11015/07/2018-IA.II(M) on dated 27th August, 2020.


Dear Sir,

Kindly refer to the above subjected matter and referred EC letter. We are submitting herewith the point wise Half Yearly EC compliance status for the period of **October-2020 to March-2021**.

This is for your kind information & submission please.

Thanking you.

Yours faithfully
 For Shree Raipur Cement Plant.
 (A unit of Shree Cement Ltd.)


 R. K. Vijay
 Joint VP (Operations)

Enclosed: Compliance status Report period **October-2020 to March-2021**.

Cc to: -

- 1) The In charge (Zonal Office), Central Pollution Control Board (CPCB), 3rd floor, Sakhar Bhawan, North T.T. Nagar, Bhopal - 462003 (M.P.).
- 2) The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhawan, North Block, Sector-19 Naya Raipur (C.G.).
- 3) The Regional Officer, Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.) - 492099

■ BALODA BAZAR OFFICE : Opp. Dussehra Maidan, Ganesh Chowk, Baloda Bazar-493 332, Ph : 07727-203211, 203210 Page | 1
 ■ RAIPUR OFFICE : House No. 31/248, Civil Lines, Near C.M. House, Raipur-492001, Ph.: 0771-2430007, Fax : 0771-2430007
 ■ REGD. OFFICE : Bangur Nagar, Post Box No. 33, Beawar, 305901, Dist. Ajmer (Raj)
 Phone : 01462-228101-105, Fax : 01462-228117/119, e-mail : shreebwr@shreecementltd.com, Website : www.shreecementltd.com

Annexure-15: Copy of Last E.C Compliance Submitted

V. Miscellaneous		
Sr. No.	Condition	Compliance
37	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.	A separate environmental management cell with full-fledged laboratory facilities has been developed under the control of a Senior Executive who reports directly to the Unit Head.
38	The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.	Noted. We will extend our full cooperation to the MoEFCC officers and furnish the desired data/ information / reports.
39	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 14/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	We shall abide by the said condition & do as per approved mining plan.