



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, 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 October -2020 to March -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.
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 October-20 to March-21 is attached as Annexure-1 .
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 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	<p>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 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>We have planted a total of 18,000 plants at different locations within the mining lease area during the period April-2020 to March-2021 Plantation is also planned in the back filled and reclaimed area in the conceptual stage and around the water body in future. As of now, no back filled area is available. Photographs of plantation is attached as #Photo-1,2.</p> <p>Plantation report shall be submitted annually to the Regional Office of MoEF&CC before 1st July of every year.</p>
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 planted a total of 8000 nos. of plants in safety zone area during the period April-2020 to March-2021. The remaining safety zone area shall be planted within coming monsoon season. Photographs of same is attached as #Photo -3.</p>
6	<p>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.</p>	<p>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.</p>

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-20 to March-21 is attached as Annexure-2 . Implementation report along with monetary expenditure shall be submitted to RO, MoEF&CC on yearly basis before 1 st July of every year.
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, 2020 to March, 2021 is attached as Annexure- 3 .
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.
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.
4	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. 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-IA. 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-4 .
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 advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional	Granted EC was advertised in local newspapers in English & regional languages within 7 days of its grant. The advertisement is attached as Annexure- 5 .

	Office for compliance and record.	
8	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Noted

II. Air quality monitoring and preservation

9	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.	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. 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-6 .
10	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 equipments/ 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.	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- 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 is attached as Annexure-6 .

III. Water quality monitoring and preservation

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	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.
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	such mining operations. The permission for intersection Of ground water table shall essentially be based on detailed hydro-geological study of the area.	
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-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 is attached as Annexure-7.</p>
13	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>Not Applicable</p> <p>There is no natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease area.</p>
14	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	<p>Not applicable</p> <p>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.</p> <p>Only HEMM washing is carried out and it is used for dust suppression in crusher after removal of oil and grease contents if any.</p> <p>Sewage water generated from mine office utility is disposed off in STP situated in Plant.</p>

	regard.	
15	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.	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.
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.
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 8 .

V. Mining plan

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).
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 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.	Mining excavation, backfilling, reclamation & afforestation is being carried out as per the mining plan approved by IBM. We shall 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.

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.
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- 9.
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.	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- 10.

	shall be de-silted regularly, particularly after monsoon season, and maintained properly.	
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.

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 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]	Not applicable Lime Stone being transported through pipe conveyor and closed conveyor system from crusher to plant. Photograph of conveyor belt is attached as #Photo-11.
28	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 with dust suppression arrangements. The air pollution control equipments 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	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. Photograph of Cemented haul road is attached as #Photo-12. 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-9.

transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

VIII. Green Belt

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 1,95,686 plant saplings have been planted in mining area. Photograph of green belt (Safety zone) is attached as #Photo-2.
30	The Project Proponent shall carryout plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in 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.	Presently 1,95,686 saplings have been planted within the mining lease area. 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 has 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-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	Housing, fuel, toilets with soak pits & septic tank, safe drinking water, medical healthcare etc. has been provided to construction labours.
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	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.	
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-IA. 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 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.	CER activities & expenditure report is attached as Annexure-9
XI. Miscellaneous		
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-10.
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.	Noted
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	We shall abide by the said condition & do as per approved mining plan.

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



R K Vijay
Joint VP (Operations)

Enclosed: - As above

Date/Time: Long at 14:09:23 March 6, 2021
 Trigger Source: Geo: 0.700 mm/s, Mic: 120.0 dB(L)
 Range: Geo: 254.0 mm/s
 Record Time: 2.0 sec at 2048 sps
 Job Number: 1
 Operator/Setup: Operator/SHREE LIMESTONE MINES.MMB

Serial Number: UM12333 V 10-87 Micromate ISEE
 Battery Level: 3.8 Volts
 Unit Calibration: October 28, 2017 by UES New Delhi
 File Name: _TEMP.EVT

Notes

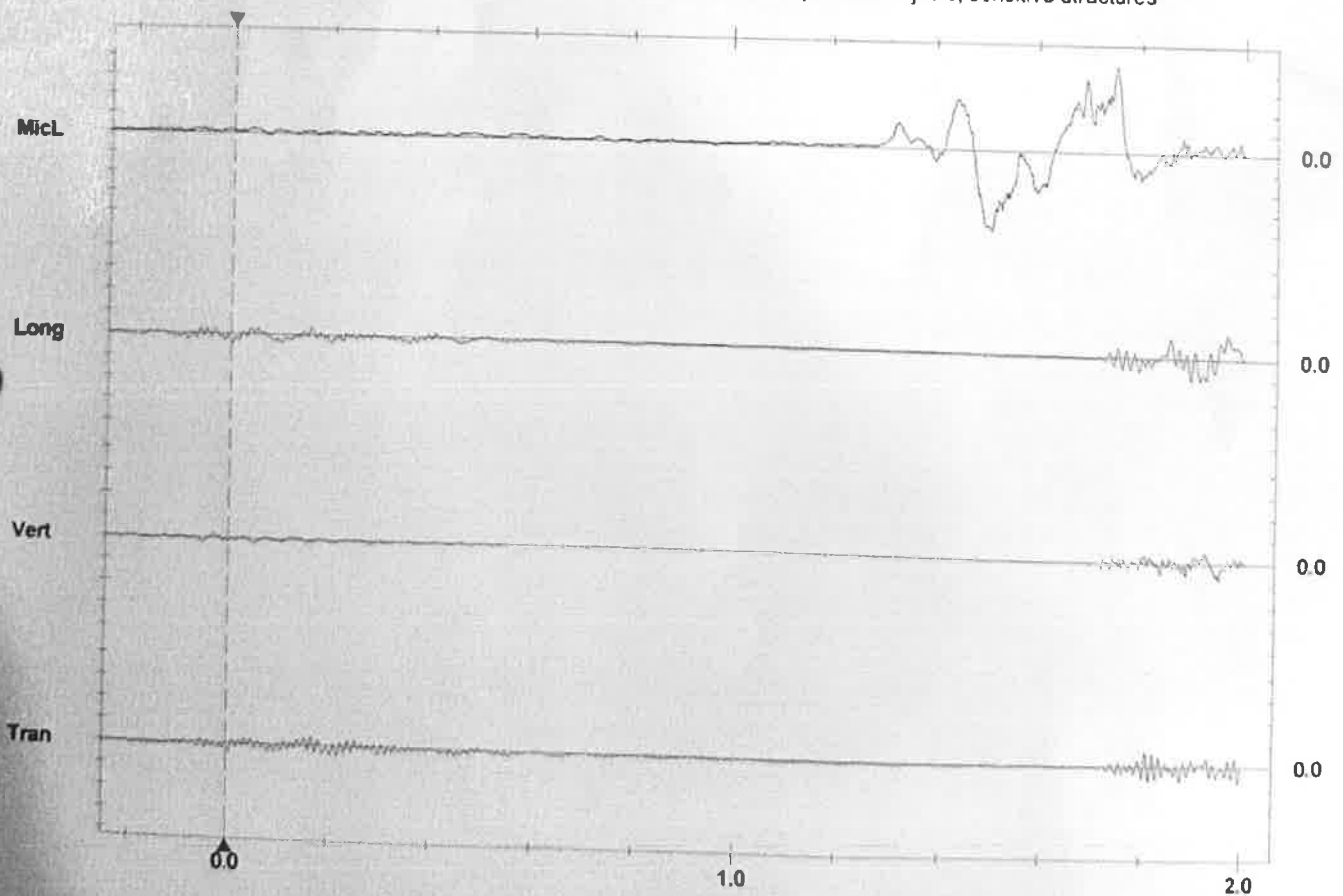
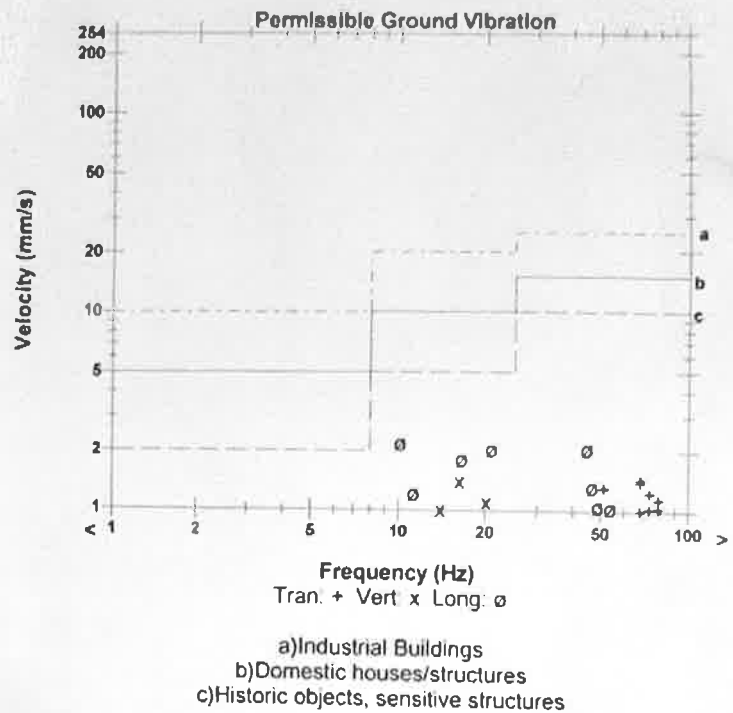
Location: 260 MRL WEST
 Client: SCL RAIPUR
 User Name: SHREE CEMENT LTD
 General: SHREE LIMESTONE MINES

Microphone: Linear Weighting
 PSPL: 106.9 dB(L) at 1.751 sec
 ZC Freq: 3.6 Hz
 Channel Test: Passed (Freq = 19.7 Hz Amp = 1103 mv)

	Tran	Vert	Long	
PPV	1.442	1.411	2.168	mm/s
ZC Freq	68	16.3	10.1	Hz
Time (Rel. to Trig)	1.996	1.951	1.967	sec
Peak Acceleration	0.081	0.069	0.067	g
Peak Displacement	0.059	0.010	0.072	mm
Sensor Check	Passed	Passed	Passed	

Peak Vector Sum: 2.265 mm/s at 1.967 sec

DGMS India (A)



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div
 Trigger =

Date/Time Tran at 14:39:36 February 15, 2021
Trigger Source Geo: 0.700 mm/s, Mic: 120.0 dB(L)
Range Geo: 254.0 mm/s
Record Time 2.0 sec at 2048 sps
Job Number: 1
Operator/Setup: Operator/SHREE LIMESTONE MINES MMB

Serial Number UM12333 V 10-87 Micromate ISEE
Battery Level 3.7 Volts
Unit Calibration October 28, 2017 by UES New Delhi
File Name _TEMP.EVT

Notes

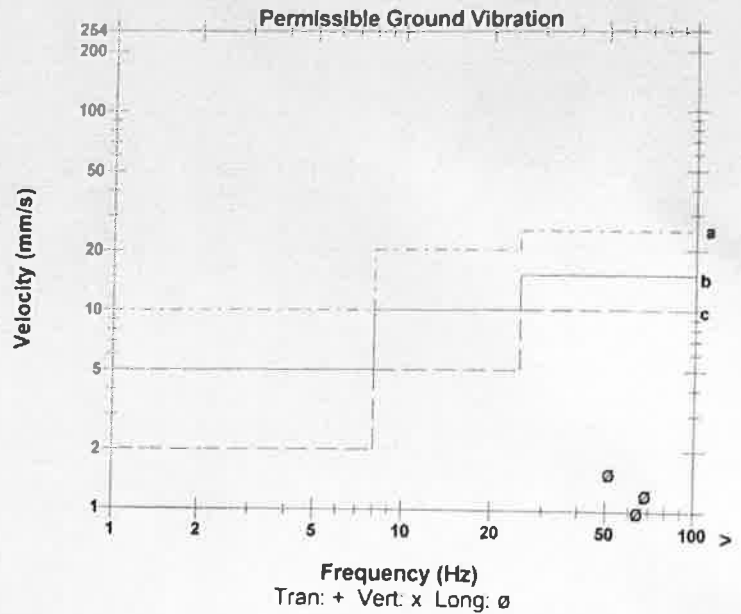
Location: 268MRL(W)
Client: SCL RAIPUR
User Name: SHREE CEMENT LTD
General: SHREE LIMESTONE MINES

Microphone Linear Weighting
PSPL 96.68 dB(L) at 0.964 sec
ZC Freq 23 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1128 mv)

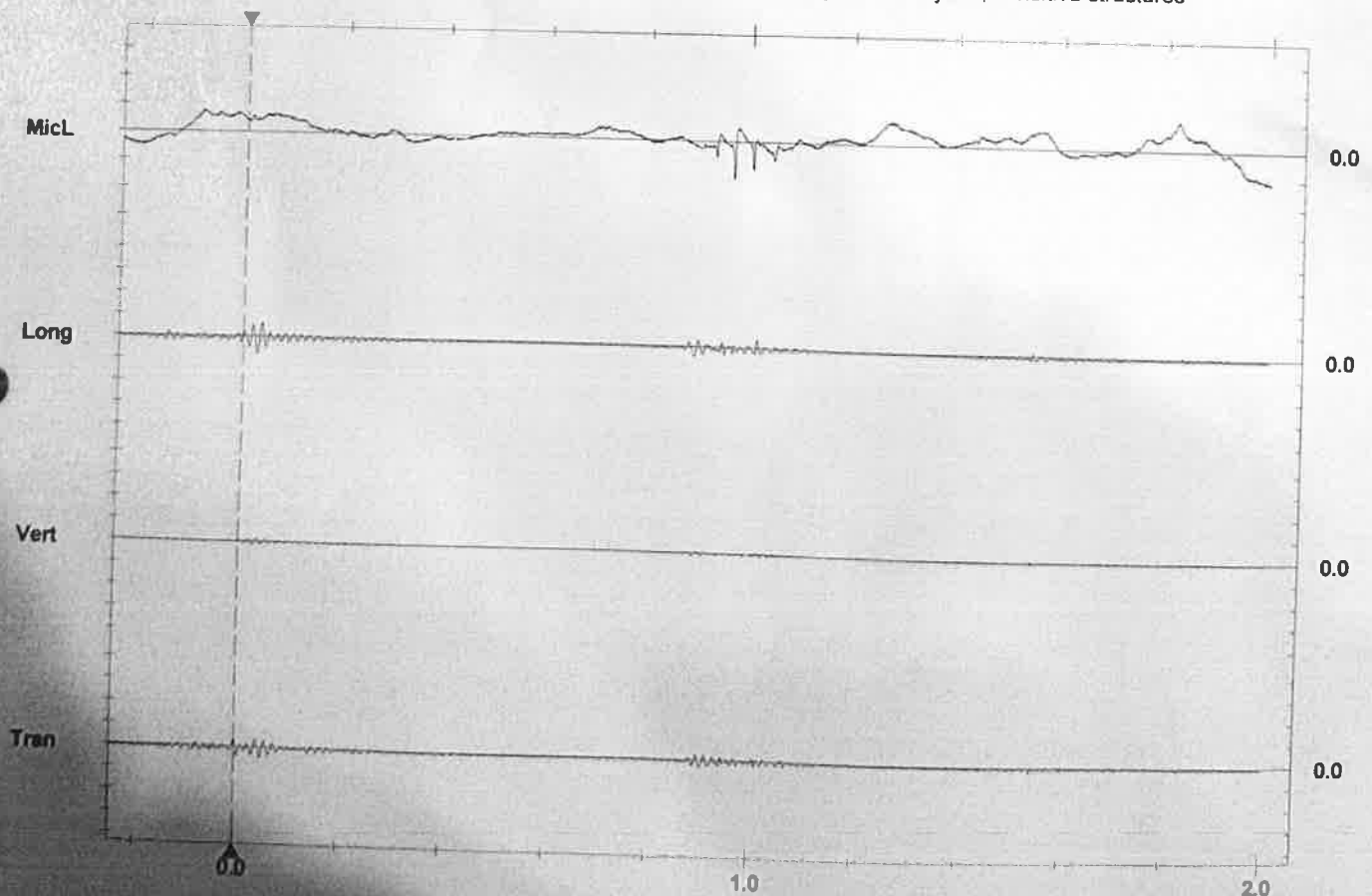
	Tran	Vert	Long	
PPV	0.962	0.331	1.553	mm/s
ZC Freq	54	54	51	Hz
Time (Rel. to Trig)	0.051	0.027	0.028	sec
Peak Acceleration	0.044	0.015	0.054	g
Peak Displacement	0.027	0.002	0.032	mm
Sensor Check	Passed	Passed	Passed	

Peak Vector Sum 1.603 mm/s at 0.028 sec

DGMS India (A)



- a) Industrial Buildings
- b) Domestic houses/structures
- c) Historic objects, sensitive structures



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div
Trigger =

Date/Time Tran at 14:42:28 January 16, 2021
 Trigger Source Geo: 0.700 mm/s, Mic: 120.0 dB(L)
 Range Geo: 254.0 mm/s
 Record Time 2.0 sec at 2048 sps
 Job Number: 1
 Operator/Setup: Operator/SHREE Limestone MINES.MMB

Serial Number UM12333 V 10-87 Micromate ISEE
 Battery Level 3.7 Volts
 Unit Calibration October 28, 2017 by UES New Delhi
 File Name _TEMP.EVT

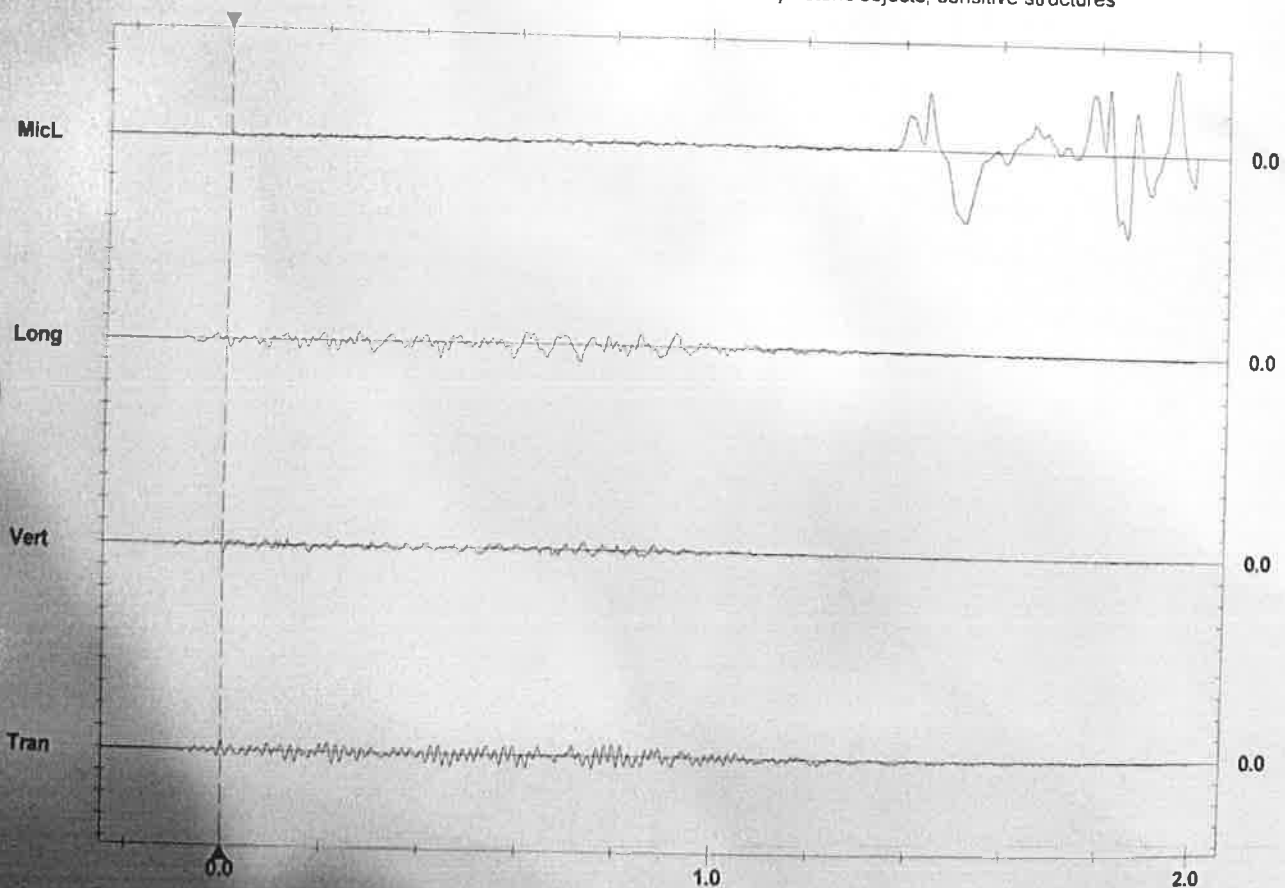
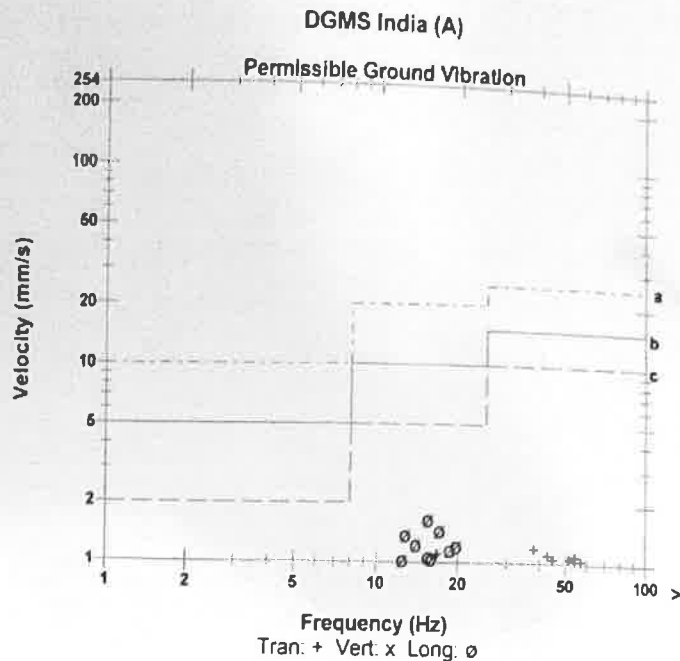
Notes

Location: 252MRL(W)
 Client: SCL RAIPUR
 User Name: SHREE CEMENT LTD
 General: SHREE Limestone MINES

Microphone Linear Weighting
 PSPL 114.5 dB(L) at 1.955 sec
 ZC Freq 10.8 Hz
 Channel Test Passed (Freq = 19.7 Hz Amp = 1170 mv)

	Tran	Vert	Long	
PPV	1.174	0.749	1.647	mm/s
ZC Freq	38	31	15.5	Hz
Time (Rel. to Trig)	0.622	0.739	0.726	sec
Peak Acceleration	0.041	0.035	0.030	g
Peak Displacement	0.008	0.005	0.013	mm
Sensor Check	Passed	Passed	Passed	

Peak Vector Sum 1.676 mm/s at 0.726 sec



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 5.000 pa.(L)/div
 Trigger =

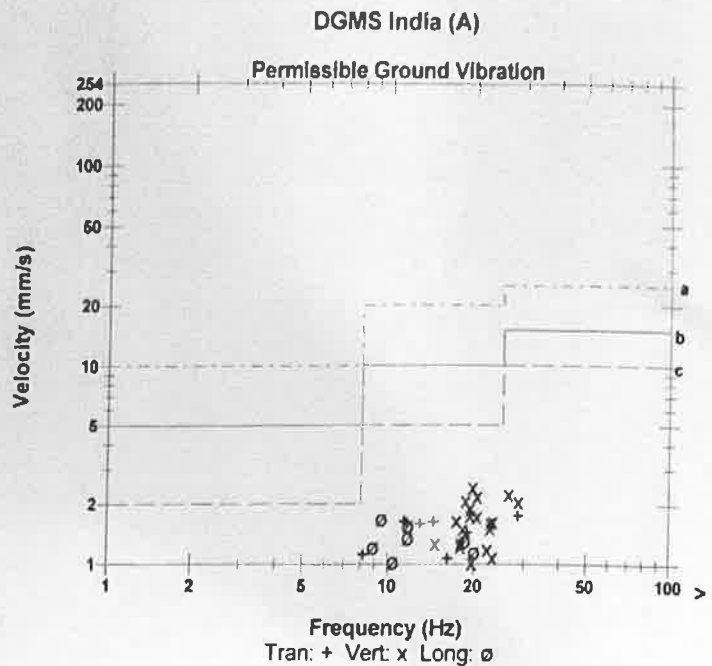
Date/Time Vert at 14:22:26 December 19, 2020
Trigger Source Geo: 0.700 mm/s, Mic: 120.0 dB(L)
Range Geo: 254.0 mm/s
Record Time 2.0 sec at 2048 sps
Job Number: 1
Operator/Setup: Operator/SHREE LIMESTONE MINES.MMB

Serial Number UM12333 V 10-87 Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration October 28, 2017 by UES New Delhi
File Name _TEMP.EVT

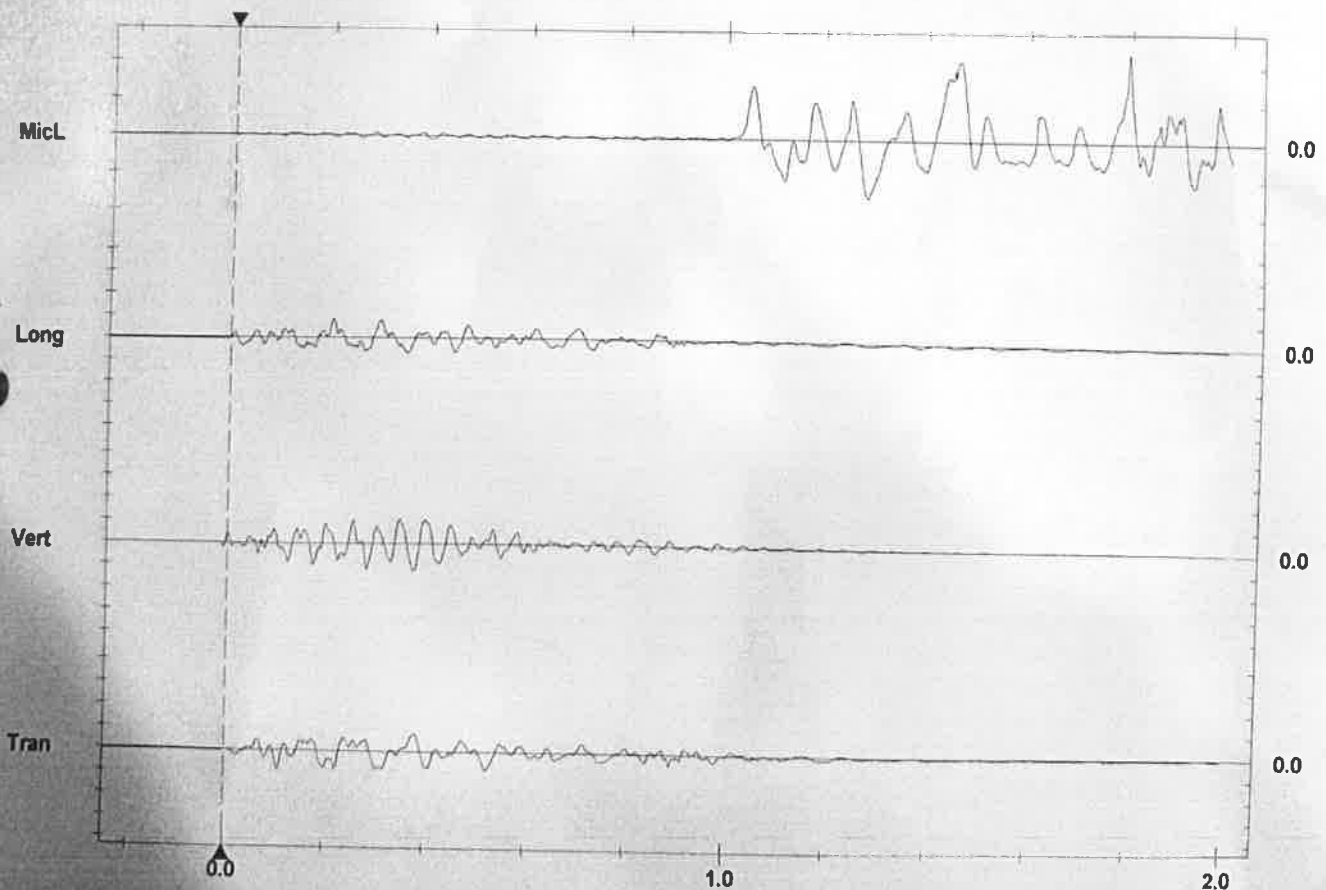
Notes
Location: 260MRL (box cut) S
Client: SCL RAIPUR
User Name: SHREE CEMENT LTD
General: SHREE LIMESTONE MINES

Microphone Linear Weighting
PSPL 121.4 dB(L) at 1.793 sec
ZC Freq 10.6 Hz
Channel Test Passed (Freq = 20.5 Hz Amp = 1390 mv)

	Tran	Vert	Long	
PPV	1.742	2.420	1.679	mm/s
ZC Freq	28	19.7	9.5	Hz
Time (Rel. to Trig)	0.109	0.375	0.206	sec
Peak Acceleration	0.033	0.044	0.030	g
Peak Displacement	0.023	0.020	0.020	mm
Sensor Check	Passed	Passed	Passed	
Peak Vector Sum	2.783 mm/s at 0.375 sec			



a) Industrial Buildings
 b) Domestic houses/structures
 c) Historic objects, sensitive structures



Time Scale: 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div
Trigger =

Date/Time Long at 14:39:57 November 18, 2020
 Trigger Source Geo: 0.700 mm/s, Mic: 120.0 dB(L)
 Range Geo: 254.0 mm/s
 Record Time 2.0 sec at 2048 sps
 Job Number: 1
 Operator/Setup: Operator/SHREE LIMESTONE MINES.MMB

Serial Number UM12333 V 10-87 Micromate ISEE
 Battery Level 3.6 Volts
 Unit Calibration October 28, 2017 by UES New Delhi
 File Name _TEMP.EVT

Notes

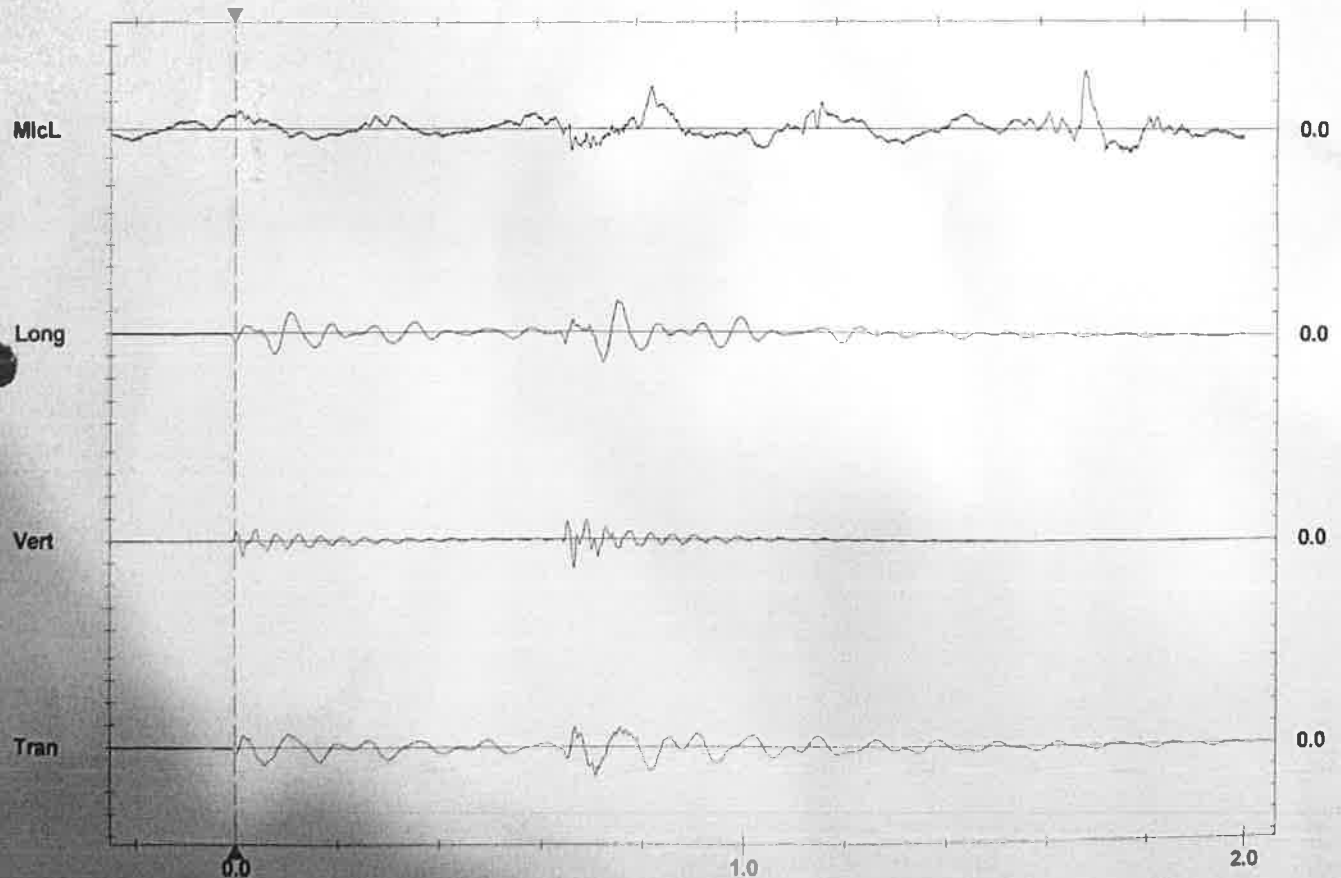
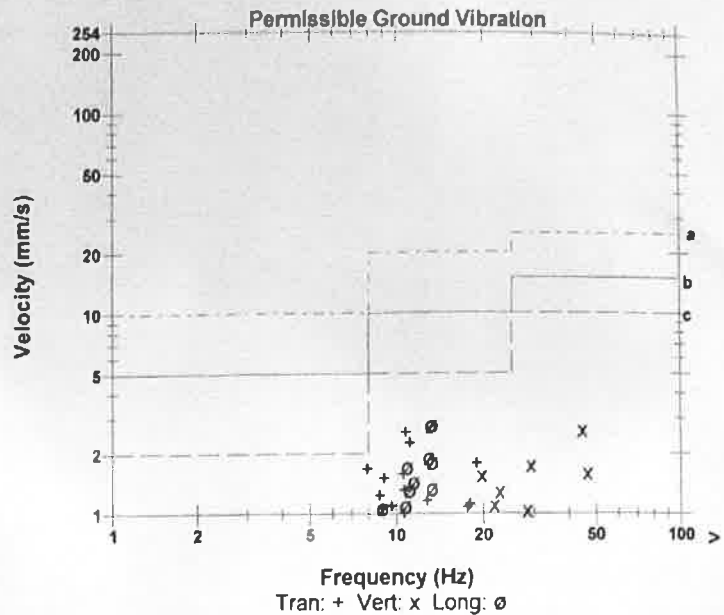
Location: 260 EAST
 Client: SCL RAIPUR
 User Name: SHREE CEMENT LTD
 General: SHREE LIMESTONE MINES

Microphone Linear Weighting
 PSPL 100.3 dB(L) at 1.686 sec
 ZC Freq 10.7 Hz
 Channel Test Passed (Freq = 19.7 Hz Amp = 1220 mv)

	Tran	Vert	Long	
PPV	2.538	2.585	2.767	mm/s
ZC Freq	10.8	45	13.3	Hz
Time (Rel. to Trig)	0.708	0.667	0.759	sec
Peak Acceleration	0.036	0.076	0.033	g
Peak Displacement	0.032	0.009	0.032	mm
Sensor Check	Passed	Passed	Passed	

Peak Vector Sum 3.299 mm/s at 0.758 sec

DGMS India (A)



Date/Time Tran at 02:25:11 October 30, 2020
 Trigger Source Geo: 0.700 mm/s, Mic: 120.0 dB(L)
 Range Geo: 254.0 mm/s
 Record Time 2.0 sec at 2048 sps
 Job Number: 1
 Operator/Setup: Operator/SHREE Limestone MINES.MMB

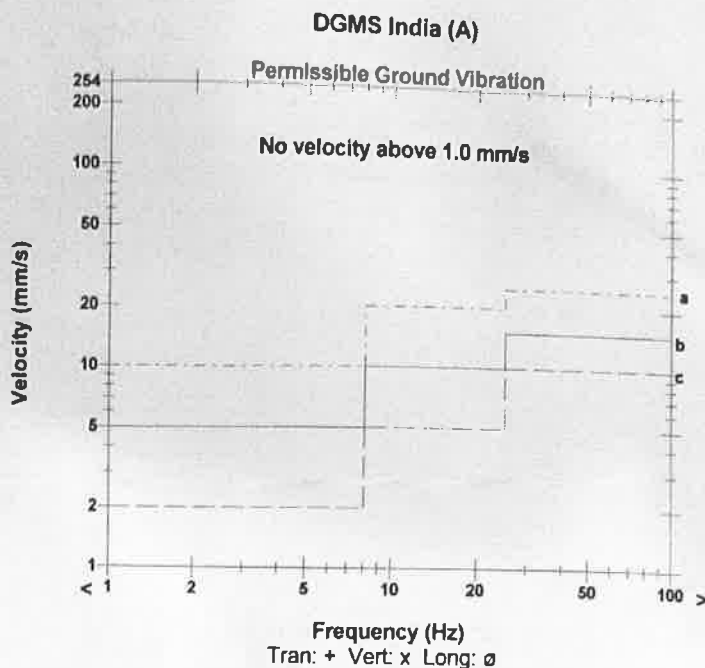
Serial Number UM12333 V 10-87 Micromate ISEE
 Battery Level 3.5 Volts
 Unit Calibration October 28, 2017 by UES New Delhi
 File Name _TEMP.EVT

Notes
 Location: 250MRL (box cut)
 Client: SCL RAIPUR
 User Name: SHREE CEMENT LTD
 General: SHREE Limestone MINES

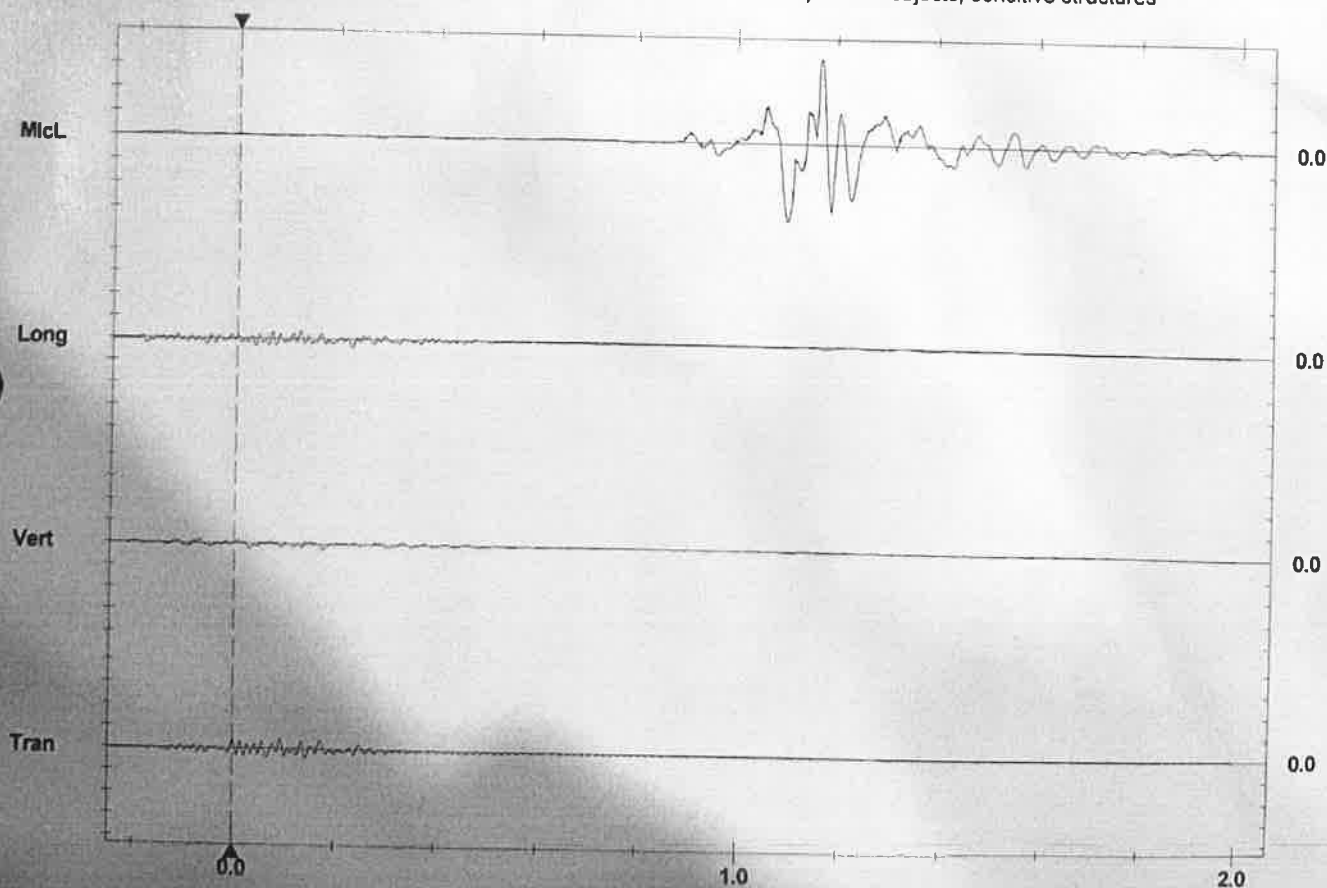
Microphone Linear Weighting
 PSPL 125.1 dB(L) at 1.169 sec
 ZC Freq 12.6 Hz
 Channel Test Passed (Freq = 19.7 Hz Amp = 1208 mv)

	Tran	Vert	Long	
PPV	0.867	0.512	0.772	mm/s
ZC Freq	57	21	37	Hz
Time (Rel. to Trig)	0.095	0.175	0.228	sec
Peak Acceleration	0.036	0.023	0.030	g
Peak Displacement	0.020	0.003	0.022	mm
Sensor Check	Passed	Passed	Passed	

Peak Vector Sum 1.012 mm/s at 0.174 sec



- a) Industrial Buildings
- b) Domestic houses/structures
- c) Historic objects, sensitive structures



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 10.000 pa.(L)/div
 Trigger =

Shree Raipur Cement Plant

(A unit of Shree Cement Limited), Khapradih, Distt- Balodabazar

CSR Work Done (April 2020 to March 2021)

S No	Particulars of CSR activity undertaken	Expenditure (in Rupees)
A	Eradicating hunger, poverty and malnutrition, promoting preventive health care and sanitation and making available safe drinking water & Expenses held for Covid-19 relief	1,03,57,582
B	Promoting education, including special education and employment enhancing vocation skills specially among children, women, elderly and the differently abled and livelihood enhancement projects (inc. consumer education and awareness)	2,24,308
C	Promoting gender equality, empowering women, setting up homes and hostels for women and orphans; setting up old age homes, day care centers and such other facilities for senior citizens and measures for reducing inequalities faced by socially and economically backward groups	6,44,049
D	Ensuing environmental sustainability, ecological balance, protection of flora and fauna, animal welfare, agroforestry, conservation of natural resources and maintaining quality of soil, air and water	5,18,794
E	Protection of national heritage, art and culture including restoration of buildings and sites of historical importance and works of art; setting up public libraries; promotion and development of traditional arts and handicrafts;	5,27,400
F	Training to promote rural sports, nationally recognized sports, Paralympic sports and Olympic sports	16,59,440
G	Rural development projects	66,00,005
H	Overheads related to CSR activities (maximum upto 5% of total CSR expenses)	25,46,300
	TOTAL EXPENDITURE	2,30,77,878

Annexure-3**Expenditure incurred on the mines environment protection measures - April-2020 to March-2021**

SN	Work	Amount (Lakh)
1	Plantation	63.22
2	3000mHDP pipe + 3nos water tank	6.12
3	Water sprinkling	10.56
4	Vacuum Sweeping m/c	50.60
5	Env. Monitoring	13.63
6	Consent fees/Charges	2.55
7	Technical consultancy charges	15.17
8	Bag filter maintenance	7.5
9	water used in Wet drilling	5.5
Total		174.85

Compliance as per Circular No. Z-11013/57/2014-IA.II(M), Dated: 29.10.2014

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 is 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 within the prescribed limits for day/night hours.	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 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	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

Compliance as per Circular No. Z-11013/57/2014-IA.II(M), Dated: 29.10.2014

	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.	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 5km 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.	Noted.
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	Not Applicable. Mineral transportation is done through covered conveyor belt.

Compliance as per Circular No. Z-11013/57/2014-IA.II(M), Dated: 29.10.2014

	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.	
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 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."	CSR activities are carried out and the details of CSR activities are attached as Annexure-8 .

6

'Cong brass, G-23 in talks over irritants'

Kafeel Ahmed, who was involved in the 2007 suicide attack at Glasgow airport in Scotland. His mission had failed and he died on August 2 after their bombs went off. Ahmed, 38, was arrested by the NIA upon his arrival in New Delhi from Saudi Arabia, where he had moved in 2010 and worked at King Fahad hospital.

ha, who is now a BJP Lok Sabha member from Karnataka's Mysuru. So far, 17 people have been arrested in the case, of whom 14 have been released after serving their sentence. The NIA established Ahmed's identity in the case after the deportation and arrest of a Hyderabad resident from Saudi Arabia in 2015. AGENCIES

It is important for them to get exposed to international terrain and world-class education so that they can transform into leaders who can be flag-bearers of India in creating history not only for our nation, but for the world around us," Singhvi said. The recipient will also be given an opportunity to work in Singhvi's chamber after successful completion of the LLM course. TNN

Records, midwood,

The tunnel at Shinkhuni La will link NH-3 from Himachal side with Darcha-Padam-Nimu road to India. Sources said Defence minister Rajnath Singh took a detailed presentation of the status of the DPR under preparation for this tunnel. The Border Roads Organisation had suggested the government to take up the tunnel and Nimu-Padam-Darcha road projects on priority considering the situation along the LAC.

श्री सीमेन्ट लिमिटेड

ग्राम: मारुवाडीह और सेमराडीह, तहसील- बालोदावाजार
जिला: बालोदावाजार- भाटापारा (छत्तीसगढ़)

सार्वजनिक सूचना

सर्व साधारण को सूचित किया जाता है कि श्री सीमेन्ट लिमिटेड की श्री चूनापत्थर खदान (एम एल नं. 38/2007, एम एल क्षेत्र 531.126 हेक्टेयर) में प्रस्तावित खनन क्षमता विस्तार 8.6 से 11.06 मिलियन टीपीए चूनापत्थर और कशर (प्राथमिक : 2x1200 टीपीएच एवं द्वितीयक 2x450 टीपीएच) जो कि ग्राम: मारुवाडीह और सेमराडीह, तहसील- बालोदावाजार जिला: बालोदावाजार- भाटापारा (छत्तीसगढ़) में स्थित है, को भारत सरकार के पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा पर्यावरणीय स्वीकृति पत्र क्रमांक F.No. J-11015/07/2018-JA-II (M) दिनांक 27 अगस्त 2020 के द्वारा दी गई है।

पर्यावरण स्वीकृति पत्र की प्रतिलिपि छत्तीसगढ़ पर्यावरण संरक्षण मण्डल, रायपुर में उपलब्ध है तथा पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की वेबसाइट "www.moef.nic.in" एवं श्री सीमेन्ट लिमिटेड की वेबसाइट "www.shreecement.in" पर भी उपलब्ध है।

SOUTHERN POWER DISTRIBUTION
Corporate Office: H.No.19-13/55A, Sakinaka, Raipur.
Tender Notice (eprocure.gov.in) No./CGM/Proc
Bids through "eprocure.gov.in" are invited from
of 3-ph Supply to Villages having Population
Kadapa, Anantapur & Kurnool Districts in AP
3-ph Distribution Transformers and Connect
The tenders will be made available from 02.0
Public Procurement Portal www.eprocure.gov.in
CHIEF GE

BITES LIMITED
CIN: L74822
NOTICE INVITING BIDS
The GM (P), BITES Ltd., Meppur invites for and on behalf of Percentage rate bids on Two Packet System, for the following:
Last time & date of submission of bid: 15/09/2020, 11:00 AM
Lot No. RPNG/JENDOPEN/17626-RPD/Nagpur-BITES
Name of work: Construction of Aqueduct including Prefabricated truss and RCC trough for Railway Crossing on Canal on Pune-Wadi Line Ch 449/560 for Bhima Canal Command
Estimated Cost: Rs. 9,51,00,035.75
Period of Completion: 12 (Twelve months)
Completed Tender Documents including the bid forms and of <https://tenders.gov.in/eprocureapp/Appendum/Configure>

भाऊअनुप-राष्ट्रीय जैविक रस
बरेली, रायपुर, छत्तीसगढ़
ICAR-NATIONAL INSTITUTE OF BIO
BARONDA, RAIPUR, CHHATTISGARH
honibsm@gmail.com, Fax No.: 0771-222535
F.No. 9-177/9-174/NIBSM/2019-20,
शहदपत्र-सूचना / CORRIGE

private corridors

concerns over the delay and following his observations, railway minister Piyush Goyal has started holding weekly meetings for stricter monitoring of progress. Goyal has written to chief ministers of Uttar Pradesh, Gujarat, Haryana, Bihar, West Bengal, Rajasthan, Punjab and Jharkhand to help resolve issues for completion of the DFCs.

They said non-availability of land for construction of rail over bridges (ROBs) and their approaches in Gujarat, Uttar Pradesh and Bihar, poor performance of contractors and court cases have been flagged as the main reasons for the slow progress of the corridors aimed at faster movement of goods at cheaper cost. TOI has learnt that

खिने 40 किलो

केशन
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ने अपने गैर
मोब साइट के
विक्रयन लाया
ने में मददगा

लिने भारत में
इससे नीकरी
खतके बहुत
कर चुकी
र सतिहो

गइटी विशेषज्ञ

यां नौकरिया
ल्लिकेशन न
दूधने में गइटी
ने को बनाने
भी सलमना

लेकिन उसके बाद हाथ खींच लिए गए।

रायपुर सि

5

नई मुद्रिका
मोबाइल पर सिमल 10000

किया गया था।
प्रारूप तैयार कर
अंतिम रूप देने के
नि लाइन सुझाव

शकता है

2020 तक

mail.com

श्री सीमेन्ट लिमिटेड

ग्राम: भाखवाडीह और सेमराडीह, राहसील- बालोदाबाजार
जिला: बालोदाबाजार- भाटाभासा (छत्तीसगढ़)

सार्वजनिक सूचना

सर्व साधारण को सूचित किया जाता है कि श्री सीमेन्ट लिमिटेड की श्री बृनामत्पथर खदान (एम एल नं. 38/2007 एम एल क्षेत्र 53+126 हेक्टेयर) में प्रस्तावित खनन क्षमता विस्तार 8.6 से 11.06 मिलियन टीपीए, चूनापत्थर और ऊसर (प्राथमिक 2x1200 टीपीएच, एवं द्वितीयक 2x450 टीपीएच) जो कि ग्राम: भाखवाडीह और सेमराडीह, राहसील- बालोदाबाजार जिला: बालोदाबाजार- भाटाभासा (छत्तीसगढ़) में स्थित है, को भारत सरकार के पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा पर्यावरणीय स्वीकृति पत्र क्रमांक F.No. J-11015/072018-IA-II (M) दिनांक 27 अगस्त 2020 के द्वारा दी गई है।

पर्यावरण स्वीकृति पत्र की प्रतिलिपि छत्तीसगढ़ पर्यावरण संरक्षण मण्डल, रायपुर में उपलब्ध है तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की वेबसाइट "www.moef.nic.in" एवं श्री सीमेन्ट लिमिटेड की वेबसाइट "www.shimacement.in" पर भी उपलब्ध है।



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(No. Q - 1508 / 32 / 2007 - CPW)
(ISO 9001, 14001, OHSAS 18001 & NABL / ISO / IEC 17025 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/November-00/0342

Date: 13/11/2020

ANALYSIS REPORT (For the Month of November-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/K1/AA1
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhalapara, Chhattisgarh-493332	Location	Nr. Bharuadih
Sampling Done By	Mr. Ashvin & Dhruv	Quantity	N/A
Analysis Started Date	07/11/2020	Instrument	RDS, FPS, Bladder
Analysis Completion Date	13/11/2020	Sampling duration	24 Hrs.
		Date of Sampling	05/11/2020
		Date of Sample Receiving	13/11/2020
		Sampling Method	IS 5182: Part - 5: 1975

AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM ₁₀)	µg/m ³	59.17	100	Gravimetric Method
2.	Particulate Matter (PM _{2.5})	µg/m ³	29.52	60	Gravimetric Method
3.	Sulphur dioxide (SO ₂)	µg/m ³	8.26	80	Improved West and Geake
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	10.59	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m ³	0.3	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O ₃	µg/m ³	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m ³	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m ³	<1.0	20	By AAS method
9.	Arsenic as As	ng/m ³	<5.0	6.0	By AAS method
10.	Ammonia as NH ₃	µg/m ³	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C ₆ H ₆	µg/m ³	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m ³	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.

Authorized Signatory

- Analysis is subject to the condition in which the Sample is received at our Laboratory.
- Reports cannot be used as evidence anywhere including Judiciary purpose without our prior permission.
- Sample will be retained till one month from the date of sampling.



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Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/November-00/0342

Date: 13/11/2020

ANALYSIS REPORT (For the Month of November-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/K1/AA2
Address	Village - Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Location	Nr. Semaradih
		Quantity	N/A
		Instrument	RDS, FPS, Bladder
Sampling Done By	Mr. Ashvin & Dhruv	Sampling duration	24 Hrs.
Analysis Started Date	07/11/2020	Date of Sampling	04/11/2020
Analysis Completion Date	13/11/2020	Date of Sample Receiving	13/11/2020
		Sampling Method	IS 5182: Part - 5: 1975

AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM ₁₀)	µg/m ³	55.8	100	Gravimetric Method
2.	Particulate Matter (PM _{2.5})	µg/m ³	27.6	60	Gravimetric Method
3.	Sulphur dioxide (SO ₂)	µg/m ³	9.8	80	Improved West and Geake
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	12.36	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m ³	0.45	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O ₃	µg/m ³	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m ³	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m ³	<1.0	20	By AAS method
9.	Arsenic as As	ng/m ³	<5.0	6.0	By AAS method
10.	Ammonia as NH ₃	µg/m ³	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C ₆ H ₆	µg/m ³	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m ³	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.

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Report No: GCI/V/LAB/EM-G0121/19-SP/19-20/November-00/0342

Date: 13/11/2020

ANALYSIS REPORT (For the Month of November-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/K1/AA1
Address	Village - Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Location	Nr. RMS
		Quantity	N/A
Sampling Done By	Mr. Ashvin & Dhruv	Instrument	RDS, FPS, Bladder
		Sampling duration	24 Hrs.
Analysis Started Date	07/11/2020	Date of Sampling	05/11/2020
Analysis Completion Date	13/11/2020	Date of Sample Receiving	07/11/2020
		Sampling Method	IS 5182: Part - 5: 1975

AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
13.	Particulate Matter (PM ₁₀)	µg/m ³	59.4	100	Gravimetric Method
14.	Particulate Matter (PM _{2.5})	µg/m ³	34.7	60	Gravimetric Method
15.	Sulphur dioxide (SO ₂)	µg/m ³	11.87	80	Improved West and Geake
16.	Nitrogen Dioxide (NO ₂)	µg/m ³	10.15	80	Modified Jacob and Hoehheiser
17.	Carbon Monoxide CO	mg/m ³	0.55	2.0	Non Dispersive infra-red spectroscope
18.	Ozone as O ₃	µg/m ³	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
19.	Lead as Pb	µg/m ³	<0.05	1.0	By AAS method
20.	Nickel as Ni	ng/m ³	<1.0	20	By AAS method
21.	Arsenic as As	ng/m ³	<5.0	6.0	By AAS method
22.	Ammonia as NH ₃	µg/m ³	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
23.	Benzene, C ₆ H ₆	µg/m ³	<0.5	5.0	Gas Chromatography
24.	Benzo (a) Pyrene	ng/m ³	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.

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CORP. OFFICE &
R & D

Green Empire (Anupushpam), Above AXIS Bank, Nr. Yash Complex, Gotri Main Road, Vadodara - 390 021 (Gujarat), INDIA.
Tel.: +91 - 265 - 2371269 Cell: +91 93285 83835 Email: info@greencircleinc.com Website: www.greencircleinc.com



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Report No.: GCI/V/LAB/EM-G0121/19-SP/19-20/November-00/0342

Date: 13/11/2020

ANALYSIS REPORT (For the Month of November-2020)

(For the Month of November-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/K1/AA4
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Location	Nr. Kharpradih
		Quantity	N/A
		Instrument	RDS, FPS, Bladder
Sampling Done By		Sampling duration	24 Hrs.
Analysis Started Date		Date of Sampling	04/11/2020
Analysis Completion Date		Date of Sample Receiving	13/11/2020
		Sampling Method	IS 5182: Part - 5: 1975

AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM ₁₀)	µg/m ³	53.26	100	Gravimetric Method
2.	Particulate Matter (PM _{2.5})	µg/m ³	25.88	60	Gravimetric Method
3.	Sulphur dioxide (SO ₂)	µg/m ³	6.04	80	Improved West and Geake
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	7.47	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m ³	0.5	2.0	Non Dispersive Infra-red spectroscope
6.	Ozone as O ₃	µg/m ³	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m ³	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m ³	<1.0	20	By AAS method
9.	Arsenic as As	ng/m ³	<5.0	6.0	By AAS method
10.	Ammonia as NH ₃	µg/m ³	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C ₆ H ₆	µg/m ³	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m ³	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.

Authorized Signatory

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- Reports cannot be used as evidence anywhere including judiciary purpose without our prior permission.
- Sample will be retained till one month from the date of sampling.



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Laboratories (NABL) and ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, CIN : U74999MP2020PTC052747

TEST REPORT

AMBIENT AIR QUALITY REPORT

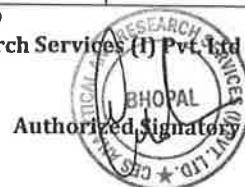
Name & Address of the Customer To, M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd). Address:-Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332.	Test Report No.:- CES/LAB/20-21/300 Dispatch No.: 340 Issue Date : 23.03.2021 Client Ref: Nil Date : Nil
Method of test : IS: 5182 Part - 5: 1975	Sampling Details
Test required: As per work order	Sample Monitored : Ambient Air Quality
Sample Collected By:- Gath Laboratories	Date of Sampling : 16.03.2021 to 17.03.2021
Instrument to be used: Eco Tech FDS	Date of Receipt : 19.03.2021
Page 1 of 2	Period of testing : 19.03.2021 to 23.03.2021
No. of Sampling Locations -04	Duration of sampling : 24 hrs

AMBIENT AIR QUALITY RESULTS

S. No.	Parameters	NAAQ Standards (Industrial area)	Near Bharuadih	Near Semaradih
1	Wind direction		W	W
2	Wind speed km/h		9	9
3	Relative Humidity %		47	47
4	Ambient Temp. (°C)		31	31
	Parameters		Pollutant Concentration	
1	Particulate matter (size less than 10µm) or PM ₁₀ -Part-23-2006 (µg/m ³)	100	56.52	69.45
2	Particulate matter (size less than 2.5µm) or PM _{2.5} (µg/m ³)	60	27.76	26.74
3	Sulphur Di-Oxide (SO ₂) - Part-2 (µg/m ³)	80	14.13	12.17
4	Oxide of Nitrogen (NO ₂) - Part-4 (µg/m ³)	80	13.20	8.97
5	Carbon monoxide (CO) (mg/m ³)	2	<1.00	<1.00
6	Ozone as (O ₃) (µg/m ³)	180	<5.00	<5.00
7	Benzene as (C ₆ H ₆) (µg/m ³)	05	<0.05	<0.05
8	Ammonia as (NH ₃) (µg/m ³)	400	<5.00	<5.00
9	Lead as (Pb) (µg/m ³)	01	<0.05	<0.05
10	Arsenic as (As) (ng/m ³)	06	<0.05	<0.05
11	Nickel as (Ni) (ng/m ³)	20	<0.05	<0.05
12	Benzo(a)Pyrene as (BaP) (ng/m ³)	01	<0.01	<0.01

NAAQ- National Ambient Air Quality Standards CPCB Notification 18th Nov. 2009

For CES Analytical and Research Services (I) Pvt. Ltd



#The Results relate only to the sample tested/ sampled

42, 48, Doorsanchar Nagar, Near Savoy Complex, E-8 Extension, Gulmohar, Bhopal-462 039 (M.P.)

Telephone : 0755-4299319, Fax : 0755-4243510

Email: cesanalytical@gmail.com, creativelab.bpl@gmail.com, Websearch : www.creativeenviroservices.com

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Laboratories (NABL) and ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, CIN : U74999MP2020PTC052747

TEST REPORT

AMBIENT AIR QUALITY REPORT		
Name & Address of the Customer To, M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd). Address:-Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332.	Test Report No.: CES/LAB/20-21/300 Dispatch No.: 300 Issue Date : 23.03.2021 Client Ref: Nil Date : Nil	
Method of test : IS: 5182 Part - 5: 1975	Sampling Details	
Test required: As per work order	Sample Monitored	: Ambient Air Quality
Sample Collected By:- Gatih Laboratories	Date of Sampling	: 16.03.2021 to 17.03.2021
Instrument to be used: Eco Tech FDS	Date of Receipt	: 19.03.2021
Page 2 of 2	Period of testing	: 19.03.2021 to 23.03.2021
No. of Sampling Locations -04	Duration of sampling	: 24 hrs

AMBIENT AIR QUALITY RESULTS				
S. No.	Parameters	NAAQ Standards (Industrial area)	Near RMS	Near Kharpradih
1	Wind direction		W	W
2	Wind speed km/h		9	9
3	Relative Humidity %		47	47
4	Ambient Temp. (°C)		31	31
	Parameters		Pollutant Concentration	
1	Particulate matter (size less than 10µm) or PM ₁₀ -Part-23-2006 (µg/m ³)	100	58.21	69.47
2	Particulate matter (size less than 2.5µm) or PM _{2.5} (µg/m ³)	60	26.39	30.57
3	Sulphur Di-Oxide (SO ₂)- Part-2(µg/m ³)	80	15.43	8.14
4	Oxide of Nitrogen (NO ₂)- Part-4(µg/m ³)	80	18.11	14.22
5	Carbon monoxide (CO) (mg/m ³)	2	1.72	<1.00
6	Ozone as (O ₃) (µg/m ³)	180	<5.00	<5.00
7	Benzene as (C ₆ H ₆) (µg/m ³)	05	<0.05	<0.05
8	Ammonia as (NH ₃) (µg/m ³)	400	<5.00	<5.00
9	Lead as (Pb) (µg/m ³)	01	<0.05	<0.05
10	Arsenic as (As) (ng/m ³)	06	<0.05	<0.05
11	Nickel as (Ni) (ng/m ³)	20	<0.05	<0.05
12	Benzo(a)Pyrene as (BaP) (ng/m ³)	01	<0.01	<0.01

NAAQ- National Ambient Air Quality Standards CPCB Notification 18th Nov. 2009

For CES Analytical and Research Services (I) Pvt. Ltd

Authorized Signatory

#The Results relate only to the sample tested/ sampled

42, 48, Doorsanchar Nagar, Near Savoy Complex, E-8 Extension, Gulmohar, Bhopal-462 039 (M.P.)

Telephone : 0755-4299319, Fax : 0755-4243510

Email: cesanalytical@gmail.com, creativelab.bpl@gmail.com, Websearch : www.creativeenviroservices.com

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Shree Raipur Cement Plant
(A Unit of Shree Cement Ltd)

CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT (MONTHLY AVERAGE)

Location	Parameters	Norms	Unit	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
AAQMS 1 (Mines boundary towards village Bharuwadih)	PM ₁₀	100	µg/m ³	53.38	51.64	59.00	53.39	55.06	48.57
	PM _{2.5}	60		29.74	28.81	29.05	29.11	27.06	26.71
	SO ₂	80		12.12	11.93	12.16	12.13	12.12	11.80
	NO ₂	80		11.18	11.02	11.22	11.20	11.19	7.77
AAQMS 2 (Mines boundary towards village Semrathi)	PM ₁₀	100		Not in Operation due to UPS breakdown		37.49	31.05	48.64	57.53
	PM _{2.5}	60				16.71	11.95	24.68	28.08
	SO ₂	80				9.74	9.46	11.14	10.44
	NO ₂	80				6.49	6.31	7.43	6.96
AAQMS 3 (Plant Boundary towards South Direction)	PM ₁₀	100		53.70	51.77	53.60	60.35	49.87	53.66
	PM _{2.5}	60		26.34	31.63	31.00	30.79	22.27	27.00
	SO ₂	80		12.79	12.47	12.19	12.31	12.38	13.06
	NO ₂	80		9.59	9.35	9.14	9.23	9.28	13.60
AAQMS 4 (Plant Boundary towards village Khapradih)	PM ₁₀	100		56.00	53.52	60.95	59.41	51.47	51.58
	PM _{2.5}	60		24.91	30.44	30.78	30.75	24.53	24.79
	SO ₂	80		5.06	5.28	5.34	5.71	5.77	6.07
	NO ₂	80		1.62	2.00	7.70	12.26	12.41	12.14

**Shree Raipur Cement Plant
(A Unit of Shree Cement Ltd)**

GROUND WATER LEVEL MONITORING REPORT (October-2020 to March-2021)

S.No.	Location → Month ↓	Piezometer-1 AWLR-Near Old Mines Gate Level (M)	Piezometer-2 AWLR-Near Khapradih Gate (M)	Piezometer-3 AWLR-Near AAQMS-2 (Semradih Village) (M)	Piezometer-4 AWLR-Near AAQMS 3 (M)	Piezometer-5 AWLR-Near Crusher -1 (M)	Piezometer-6 AWLR-Near AAQMS-4 (Khapradih Village) (M)
1	Oct-20	1.85	10.62	2.45	6.34	6.56	9.42
2	Nov-20	4.94	11.25	4.68	8.74	9.21	13.65
3	Dec-20	8.54	13.63	7.52	9.42	11.01	18.44
4	Jan-21	11.32	15.71	10.98	8.92	12.74	25.73
5	Feb-21	13.06	17.55	14.67	8.11	13.99	30.66
6	Mar-21	15.09	18.19	16.96	7.48	15.46	35.78

Annexure-9

Shree Raipur Cement Plant (A unit of Shree Cement Limited)
CER Expenditures FY - 2020-21

S.No.	AREA OF CER	Expenditure in (Rs.)
HEALTH AND FAMILY WELFARE		
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.	Construction of Public Toilet at Village- Chandi – 2,24,295
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.	Administrative expenses of Health Management Centers including medicines, ambulance maintenance and running charges- 8,54,080
EDUCATION AND SPORTS PROMOTION		
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.	15,57,00,000
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	--
COMMUNITY INFRASTRUCTURE DEVELOPMENT PROJECTS		
6	Construction of roads in village: 1. Bharuadih : 02 Kms. 2. Chandi : 03 Kms.	CC Road at Village- Chandi and CC road work at moksh dham at chandi village – 3,78,126 Construction of CC Road at Village- Bharuadih (Colony)- 23,32,266 CC Road at Village- Pausari- 1,26,052 Traffic road barrier – 50,479
7	Construction of community center at village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi : 05 Nos.	Construction of community hall at Karhi- 3,59,534 Construction of Rangmanch at Bharuadih – 2,62,951

		Construction of Rangmanch at Chandi – 1,85,021 Construction of Jai Stambh at Village- Bhruadih – 1,46,364 Costruction of Comunity hall- Village Bhruadih – 2,07,810 Construction of Temple at Village- Bharuadih – 1,50,847 Construction Of Jyoti Kaksh At Pausari – 1,39,267
8	Drinking water tank at village Lohari & Paunsari	Drinking water pipeline for Village Sehmradih- 4,45,490 Extension of drinking water pipeline at Village Bhruadih – 22,686
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 work at village – Bhruadih – 6,854
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.	Plantation in nearby villages – 1,81,844 Grill fixing & plantation work between divider at distt. balodabazar main road- 19,88,026
12	Installation of solar street lights at community center, common area, dispensary, bus stand and school at village Khaparadih, Semaradih, Bharuadih, Chandi & Karhi.	--
	Total	16,37,61,992



Construction of CC road at Bharuadih



Construction of Rangmanch at Bharuadih



Construction of Rangmanch at Chandi



Construction of community hall at Bharuadih



Construction of Public toilet at Chandi



Construction of Jai Stambh at Bharuadih



Traffic road barrier



Grill fixing & plantation work at Balodabazar Main road

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

क्रमांक 2677/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)
(कलेक्टर, खनिज)
बलौदाबाजार-भाटापारा
जि. बलौदाबाजार-भाटापारा

Georeferencing Cadastral Plan Showing Existing Mining Lease area held by Shree Cement Plant, in Semaradh & Bhurwadh Village, Baloda Bazar Taluka, Baloda Bazar District, Chhattisgarh State, SEMARADH & BHARU WADH MINE - 531.126 Ha.

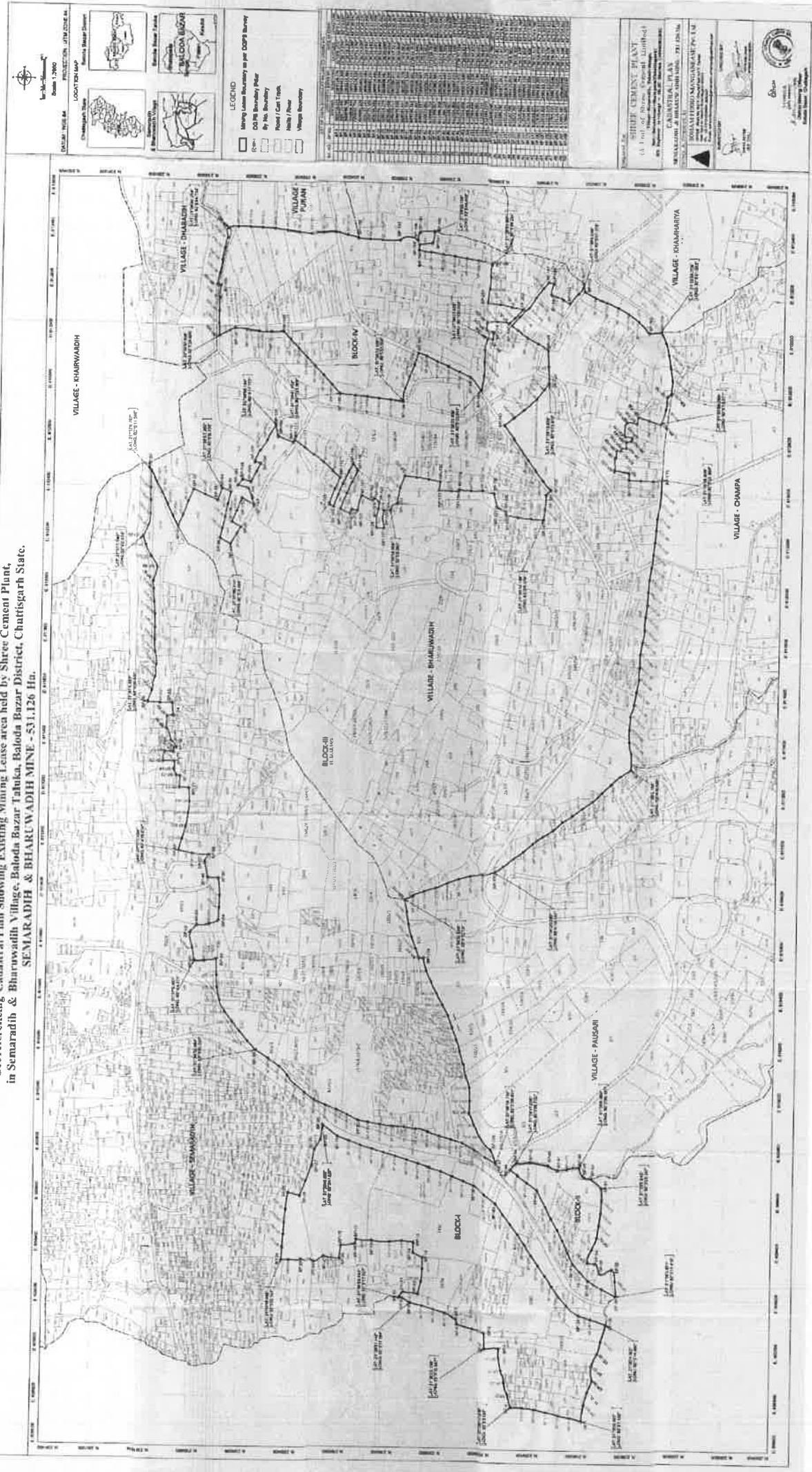




Photo no. 01 – Showing Plantation



Photo no. 02 – Showing Plantation



Photo no. 03 Showing Plantation safety zone



Photo no. 04 Showing mobile water tanker



Photo no. 05 – Showing piezometric well

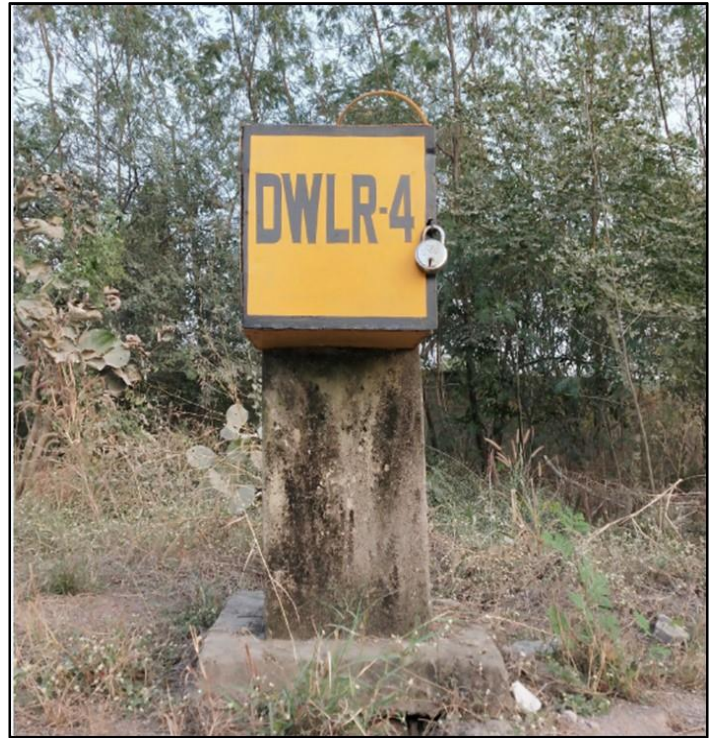


Photo no. 06– Showing piezometric well



Photo no. 07 – Showing RWH pond-1



Photo no. 08 – Showing RWH pond -2



Photo no. 9 - Showing dump stabilization



Photo no. 10-Showing Garland drains



Photo no. 11 Showing covered conveyor



Photo no. 12-Showing cemented haul road