



SHREE CEMENT LIMITED

(UNIT-SHREE RAIPUR CEMENT PLANT)

Village: Khaparadih, Tehsil: Simga

Distt. Baloda Bazar (C.G) Pin: 493332, Ph.:07727-203101

CIN NO.:L26943RJ1979PLC001935



SRCP/BB/ 2018-19/85

Date: - 01/11/2018

To,

The Director

Ministry of Environment, Forests and Climate Change,
West Central Regional Office,
Ground Floor, Eastern Wing,
New Secretariat Building-Opposite Old VCA Stadium,
Civil Lines, Nagpur - 440001, (M.H)

Sub:- Regarding compliance for the period April, 2018 to September, 2018 to the conditions of Environment Clearance for Limestone Mine with enhancement of Limestone production capacity from 4.8 Million TPA to 8.6 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-11015/159/2014-IA.II(M) on dated 30th March, 2017.

Dear Sir,

In reference to the above subject matter & reference letter, it is submitted herewith the point wise Half Yearly compliance status for the period of April, 2018 to September, 2018 is enclosed herewith for your kind perusal please.

Hope you will find this in order.

Thanking you.

Yours faithfully

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

R. K. Vijay
Joint VP (Operations)

Enclosures: Compliance status Report period April-2018 to September-2018.

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)

Compliance Status of Environment Clearance

Period from April -2018 to September -2018

Name of Project: Shree Lime Stone mine by Shree Raipur Cement Plant (A Unit of Shree Cement Ltd)

Capacity & Location: Enhancement of Lime Stone production capacity from 4.8 Million TPA to 8.6 Million TPA by 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-11015/159/2014-IA.II(M) on dated 30th March, 2017

A. Specific & Conditions:

Sr. No	Condition	Compliance
1	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Chhattisgarh, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Agreed.
2	This Environmental clearance is granted subject to necessary permissions for land use to be obtained from the State Govt. of Chhattisgarh before commencing the activities.	Expansion has been done in the existing land.
3	The Proponent shall ensure that the canals should not be diverted. The 50m buffer zone on either side of stream/canal in lease area and adjoining to the mine lease area shall be maintained.	Agreed to maintain 50 m buffer zone on either side without diverting the canal.
4	No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.	Not Applicable.
5	The Environmental Clearance is subject to obtaining requisite NBWL Clearance, if any, from the Standing Committee of National Board for Wildlife for Mining project.	Not Applicable
6	The Project Proponent shall obtain Consent to Operate from the State Pollution Control Board, Chhattisgarh and effectively implement all the conditions stipulated therein.	Obtained.
7	The Proponent shall install online Ambient Air Quality Monitoring System and there should be system for display of digital AAQ data within 03 months at least at three locations as per wind direction. Online provisions of pH and turbidity meters at discharge points of STP and ETP and also at water storage ponds in the mining area may be made. Project Proponent should display the result digitally in front of the main Gate of the mine site.	<p>Installed 4 numbers of AAQMS for the measurement of PM2.5, PM10, CO, SO2 and NOx level and real time data are linked with SPCB and CPCB server. Data are being displayed at the plant main gate and at CPCB server. AAQMS data are enclosed as Annexure-1.</p> <p>There is no effluent water discharge from mine activities. Only HEMM washing is carried out and it is used for dust suppression in crusher after removal of</p>

		oil and grease contents if any. There is no STP in mine. Sewage water generated from mine office utility is disposed off in soak pit via septic tank.
8	The Report on six monthly basis on changes in. Ground water level and quality shall be submitted to the Regional Office of the Ministry, CGWA and State Pollution Control Board.	Complying with. Ground water level and quality being monitored by a third party and the report is submitted to the Regional office of the Ministry, CGWA and State pollution Control Board. Report enclosed as Annexure 2 .
9	Project Proponent should plant only native species for green belt development. Plantation of local species should be carried out during the Monsoon Season. The project should also implement community Development and Welfare programme in the area of Health, Education and Environmental Protection.	Presently 157186 saplings have been planted. 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.. Various projects have been implemented for community Development and Welfare programme in the area of Health, Education and Environmental Protection by our CSR Department.
10	Proponent shall appoint an Occupational Health Specialist- for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities.	Occupational health programs are conducted on regular basis and records being maintained by the Occupation Health Center (OHC). Quantitative statistics on number of individual screened for occupational health surveillance is enclosed as Annexure-3 . Sample copy of medical examination for year 2018 is enclosed.
B. General Conditions		
1	A Final Mine Closure Plan along with details of Corpus	Copy of modified mining plan with

	Fund shall be submitted to the Ministry of Environment, Forest and Climate Change 5 years in advance of final mine closure for approval.	progressive Mine closure plan approved by IBM Raipur vide Letter No. बलौदाबा/चूप/खयो - 1025/ नाग 2015/29 रायपुर dated 13/07/2016 is enclosed as Annexure-4 .
2	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest and Climate Change.	We are working as per approved modified mining plan.
3	No change in the calendar plan including excavation, quantum of mineral and waste should be made.	We are working as per approved modified mining plan.
4	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) for the project.	CGWA NOC obtained on 24.10.18. Valid up to 07.04.2023. CGWA NOC Copy enclosed as Annexure-5 .
5	Mining shall be carried out as per the provisions outlined in mining plan approved by Indian Bureau of Mines (IBM) as well as by abiding to the guidelines of Directorate General Mines Safety (DGMS).	Mining is being carried out as per the IBM approved mining plan and guidelines provided by the Directorate General Mines Safety (DGMS).
6	The project proponent shall carry out scientific investigation in respect of "Blast induced ground vibration, fly rock & air blast". Based on this study, Project Proponent should design an effective blast design to curb blast induced menace and public annoyance. The Report shall be submitted to the Regional Office of the Ministry.	Controlled blasting 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 of the permissible limit as prescribed by DGMS. Ground vibration being regularly monitored as well as air blast level with the help of latest Micromet Seismograph. Report from April-18 to Sept-18 is enclosed as Annexure-6 .
7	The lands which are not owned by Proponent, mining will be carried out only after obtaining the consents from all the concerned land owners as per the provisions of the Mineral Concession Rules, 1960 and MMDR Act, 1957.	Mining being done in within mining lease area with State Govt. permission and as per the provisions of the Mineral Concession Rules, 1960 and MMDR Act, 1957.
8	Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment, Forest and Climate Change its Regional Office.	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-7 .



9	<p>The critical parameters as per the Notification 2009 such as PM10, PM2.5, NOx, and SOx etc. in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.</p>	<p>4 numbers of Online AAQMS are installed at the common boundary of plant and mine, covering all three villages Bharuwadih, Semradih and Khapradih and real time data are displayed at the main gate.</p> <p>Data are being displayed at the plant main gate and at CPCB server. AAQMS data are enclosed as Annexure-1.</p> <p>Peak particle velocity is measured at 300 meter is well within the norms of 10 mm/s Report attached herewith- as Annexure 6.</p> <p>There is no effluent water discharge from mine.</p>
10	<p>Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.</p>	<p>Water is being sprayed on haul road, at unloading points and inside the crusher.</p> <p>Ambient air quality is well within the prescribed norms.</p>
11	<p>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. The monitoring shall be carried out four times in a year pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected 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.</p>	<p>There is no natural water course passing through the mine lease area.</p> <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.</p> <p>Last year quality and level is given as below as Annexure 2.</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. .</p>
12	<p>Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall</p>	<p>There is no springs and perennial nallahs flowing through the mining lease area.</p>

	<p>be carried out and records maintain. The natural water bodies and or streams which are flowing in an 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 Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table.</p>	<p>There is no disturbance of nearby water bodies by mining activities. We have developed a pit of 2.5 lacs KL storage capacity of rain water harvesting pond & 2.5 lacs KL storage capacity of mines pit for direct use and to recharge the ground water. Further in residential colony one pond of 20K KL is proposed.</p> <p>Photographs are enclosed as Annexure 8.</p>
13	<p>Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board</p>	<p>There is no river flowing near to mining lease area.</p>
14	<p>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 sound, dust and accidents could be mitigated. The project proponent 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.</p>	<p>Lime Stone being transported through pipe conveyor and closed conveyor system from crusher to plant.</p>
15	<p>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 light/night hours.</p>	<p>All the mining activities is being carried out as per norms of DGMS to maintain illumination and sound level. Noise monitoring report enclosed as Annexure 9.</p> <p>Apart from this 7.5 M width wide green belt has been developed surrounding the mining lease area.</p>

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16	Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt-conveyors facilities the system should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.	Presently there is no permanent haul road in mine. Road from phase 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 concreted road is enclosed as Annexure 10 .
17	Board reserves the right to amend/cancel any of the above conditions, stringent the emission/effluent limits stipulated above and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.	Agreed.
18	There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.	The area falls under the safe category and as per the CGWA guideline 2015, 50 % recharge of withdrawal is required. The overall recharge is more than 50% of withdrawal. We have developed 2 ponds in plant area each of 1L KL capacity and mining pit of capacity 2.5L KL and one pond in mine area of 2.5L KL in mine area to collect rain water and recharge of ground water. Further in residential colony one pond of 20K KL is proposed. In addition, we have maintained the ponds by cleaning and deepening at Village Chandi, Karhi and Khapradih. Detail is enclosed as Annexure-11 .
19	The Project Proponent has to take care of gullies formed on slopes. Dump mass should be consolidated with proper filling/levelling with the help of dozer/compactors.	Provided pitching along the slope of crusher ramp. Dump site is properly maintained with the help of dozer and compactors.
20	The reclamation at waste dump sites shall be ecologically sustainable. Scientific reclamation shall be followed. The local species may be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. The aspect of the dump is also a factor which regulates some climatic parameters and allows only species adapted to that micro climate.	We will ensure the proper reclamation of the waste dump site with suitable native species.
21	The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land	As per approved mining plan, top soil is being separate stacked and top soil also being used for plantation along mines

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	<p>reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 8m and width 20 m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run-off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.</p>	<p>lease boundary area.</p> <p>We are regularly submitting half yearly Compliance reports. Last Half yearly Compliance report period from October-17 to March-18 sent by mail on 08.05.2018 and by courier on 10.05.2018.</p> <p>Courier receipt is enclosed as Annexure 12.</p>
22	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>Catch drains and siltation pond has been constructed to collect rain water and being utilized.</p>
23	<p>Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department and as per CPCB Guidelines. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.</p>	<p>7.5 Meter width wide green belt has been developed surrounding the mining lease area. At present 1, 53,186 plant sampling has been planted in mining area.</p>
24	<p>Project Proponent shall follow the mitigation measures provided in Office Memorandum No. Z-</p>	<p>Not Applicable</p>

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	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", if any, applicable to the project	
25	The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent 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 and plantation of such trees should be promoted.	Not Applicable
26	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office	Letter from forest Department showing "No impact of project on Dhabadih Reserved Forest" is enclosed as Annexure-13 .
27	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office located at Nagpur. Implementation of such program shall be ensured accordingly in a time bound manner.	An amount Rs.60.16 lakh rupees has been incurred on socio-economic activities from April 2018 to September 2018. Details enclose for CSR expenses as given in Annexure- 14 .
28	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Housing, fuel, toilets with soak pits & septic tank, safe drinking water, medical healthcare etc. has been provided to construction labours.
29	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/ muffs.	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 pluggs/ muffs. Noise monitoring report enclosed as Annexure 9 .
30	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under	There is no effluent water discharge from mine activities. Only HEMM washing is carried out and it is used for dust

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	GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	suppression in crusher after removal of oil and grease contents if any. Sewage water generated from mine office utility is disposed off in soak pit via septic tank.
31	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	All HEMM are fitted with AC cabin. PPEs are provided to the mine working persons.
32	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization	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.
33	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office.	Adequate fund are available for Capital and Recurring to implement the EMP. Details of environmental Expenditure from Apr-18 to Sep-18 are enclosed as Annexure-15 .
34	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.	Capacity from 4.8 to 8.6 MTPA increase on 13-12-2017.
35	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional Office, Central Pollution Control Board and State Pollution Control Board.	We are regularly submitting half yearly Compliance reports. Last Half yearly Compliance report period from October-17 to March-18 sent by mail on 08.05.2018 and by courier on 10.05.2018. Courier receipt is enclosed as Annexure 12 .
36	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Agreed.
37	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Copy of environment clearance letter has been sent on 10.4.2017 to the followings:- Gram Panchayat, Semaradih. Gram Panchayat, Bharuwadih. Gram Panchayat letter copy enclosed as Annexure 16 . EC letter has been put on our web site:- www.shreecement.in
38	State Pollution Control Board should display a	-

	copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.	
39	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at www.environmentclearance.nic.in and a copy of the same should be forwarded to the Regional Office.	Advertised in two local newspapers widely circulated in the region namely, Haribhoomi and The Hitavada on 07/04/2017. Copy of Paper cutting enclosed as Annexure 17 .

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



R K Vijay
Joint VP (Operations)

Enclosed: - As above

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Annexure - 1

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

AMBIENT AIR QUALITY MONITORING STATION DATA

Location	Parameters	Unit	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18
AAQMS 1 (Mines boundary towards village Bharuwadih)	PM 10	$\mu\text{g}/\text{m}^3$	40.69	47.45	41.92	36.31	35.23	55.93
	PM 2.5		19.29	24.03	17.7	17.09	12.77	19.77
	SO2		2.76	2.96	2.91	2.71	7.29	5.35
	NO2		3.01	2.3	2.33	2.33	2.99	1.87
AAQMS 2 (Mines boundary towards village Semradih)	PM 10		47.62	55.91	43.44	35.42	41.9	49.56
	PM 2.5		21.86	21.99	16.47	12.7	13.88	22.48
	SO2		3.23	3.67	4.07	3.8	3.8	4.75
	NO2		4.4	4.58	4.61	4.63	4.63	2.37
AAQMS 3 (Plant Boundary towards South Direction)	PM 10		49.27	47.67	43.24	47.74	35.92	46.45
	PM 2.5		27.07	23.97	21.9	22.35	17.64	20.49
	SO2		4.15	3.42	8.06	12.54	13.82	11.55
	NO2		5.6	4.04	5.7	5.39	4.1	4.12
AAQMS 4 (Plant Boundary towards village Khapradih)	PM 10		45.89	50.54	42.7	39.93	31.17	41.02
	PM 2.5		18.57	21.24	16.99	16.77	15.09	28.67
	SO2		6.28	6.32	6.91	6.35	5.41	5.27
	NO2		7.13	6.88	6.8	7.42	8.15	8.05

Shree Raipur Cement Plant
(A Unit of Shree Cement Ltd)
Pre - Monsoon (May 2018) Ground Water Quality Analysis in Core Zone, Year-2018

Sr. No.	Parameters	Ref. Method	Acceptable / Permissible Limit (IS 10500:2012)		Unit	Core Zone					
			Desirable	Permissible		Ground Water from Piezometer (Near Green house)	Ground Water from Piezometer (Near Old Mines Gate)	Ground Water from Piezometer (Near Khapradli Gate)	Ground Water from Piezometer (Near Mines Office)	Ground Water from Piezometer (Near AAQMS 1 Bharwadli Village)	Ground Water from Piezometer (Near Bachelor Hostel Colony)
1	pH	IS:3025 (part11)-1983	6.5-8.5	NR	-	7.79	7.76	7.97	7.68	8.02	6.73
2	TDS	IS:3025 (part 16)-1984	500	2100	mg/l	273	291				
3	Alkalinity as CaCO ₃	IS:3025(part 23)-1986	200	600	mg/l	107.39	107.29	318	261	281	283
4	Total Hardness (as CaCO ₃)	IS:3025(part 21)-1983	200	600	mg/l	169.69	195.18	114.57	103.82	107.29	121.58
5	Calcium (as Ca ²⁺)	IS:3025 (part 40)-1991	75	200	mg/l	52.83	57.31	193.31	169.88	188.52	182.29
6	Magnesium (as Mg ²⁺)	IS:3025 (part 46)- 1994	30	100	mg/l	9.16	12.64	61.29	56.19	61.38	57.69
7	Chloride (as Cl)	IS:3025 (part 32)- 1988	250	1000	mg/l	121.5	118.5	9.76	7.16	8.54	9.27
8	Sulphate(as SO ₄)	APHA- 22nd Edition	200	400	mg/l	116.54	47.29	141.7	112.5	121.5	137.82
9	Fluoride (as F)	APHA- 22nd Edition	1.0	1.5	mg/l	0.18	0.24	112.31	82.73	104.29	112.64
10	Iron(as Fe)	IS:3025 (part 53-2004)	0.3	NR	mg/l	0.18	0.21	0.27	0.17	0.27	0.2
11	Nitrate(as NO ₃)	APHA- 22nd Edition	45	NR	mg/l	9.12	9.16	0.26	0.24	0.26	0.24
								11.62	6.27	<2	<2

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Shree Raipur Cement Plant
(A Unit of Shree Cement Ltd)
Pre - Monsoon (May 2018) Ground Water Quality Analysis In Buffer Zone, Year-2018

Sr. No.	Parameters	Ref. Method	Acceptable / Permissible Limit (IS 10500:2012)		Unit	Buffer Zone					
			Desirable	Permissible		Ground Water from Bharuwadih Village	Ground water from Khapardi Village	Ground water from Champa Village	Ground Water from Sarseni village	Ground water from Semaradih Village	Ground Water from Chandi village
1	pH	IS:3025 (part11)-1983	6.5-8.5	NR		6.97	6.92	7.18	6.73	7.16	6.82
2	TDS	IS:3025 (part 16)-1984	500	2100	mg/l	308	281	279	312	302	279
3	Alkalinity as CaCO3	IS:3025(part 23)-1986	200	600	mg/l	101.82	104.31	108.76	107.26	116.38	112.52
4	Total Hardness (as CaCO3)	IS:3025(part 21)-1983	200	600	mg/l	145.13	169.47	169.03	169.48	195.46	165.18
5	Calcium (as Ca2+)	IS:3025 (part 40)-1991	75	200	mg/l	46.29	54.76	54.19	52.73	64.73	54.26
6	Magnesium (as Mg2+)	IS:3025 (part 46)- 1994	30	100	mg/l	7.2	7.93	8.17	9.17	8.19	7.19
7	Chloride (as Cl)	IS:3025 (part 32)- 1988	250	1000	mg/l	121.4	127.8	121.4	121.6	124.8	121.39
8	Sulphate(as SO4)	APHA- 22nd Edition	200	400	mg/l	104.8	112.2	109.3	112.5	113.6	112.58
9	Fluoride (as F)	APHA- 22nd Edition	1.0	1.5	mg/l	0.26	0.29	0.28	0.29	0.27	0.24
10	Iron(as Fe)	IS:3025 (part 53-2004)	0.3	NR	mg/l	0.26	0.24	0.21	0.28	0.27	0.18
11	Nitrate(as NO3)	APHA- 22nd Edition	45	NR	mg/l	9.18	<2	8.17	<2	9.27	<2

Shree Rajpur Cement Plant
(A Unit of Shree Cement Ltd)
Monsoon (August 2018) Ground Water Quality Analysis in Core Zone, Year-2018

Monsoon (August 2018) Ground Water Quality Analysis in Core Zone, Year-2018											
Sr. No.	Parameters	Ref. Method	Acceptable / Permissible Limit (IS 10500:2012)		Unit	Core Zone					
			Desirable	Permissible		Ground Water from Piezometer (Near Green house)	Ground Water from Piezometer (Near Old Mines Gate)	Ground Water from Piezometer (Near Khapradih Gate)	Ground Water from Piezometer (Near Mines Office)	Ground Water from Piezometer (Near AAQMS 1 Bharuadih Village)	Ground Water from Piezometer (Near Bachelor Hostel Colony)
1	pH	IS:3025 (part11)-1983	6.5-8.5	NR		7.84	7.64	8.03	7.71	8.04	7.92
2	TDS	IS:3025 (part 16)-1984	500	2100	mg/l	284	273	308	268	267	304
3	Alkalinity as CaCO3	IS:3025(part 23)-1986	200	600	mg/l	103.76	112.64	112.62	112.29	108.76	112.58
4	Total Hardness (as CaCO3)	IS:3025(part 21)-1983	200	600	mg/l	167.74	168.42	193.53	190.45	153.06	182.25
5	Calcium (as Ca2+)	IS:3025 (part 40)-1991	75	200	mg/l	48.17	51.73	58.29	62.76	47.82	53.81
6	Magnesium (as Mg2+)	IS:3025 (part 46)- 1994	30	100	mg/l	11.52	9.52	11.64	8.17	8.16	11.62
7	Chloride (as Cl)	IS:3025 (part 32)- 1988	250	1000	mg/l	121.5	103.8	152.9	121.7	119.3	121.49
8	Sulphate(as SO4)	APHA- 22nd Edition	200	400	mg/l	38.49	41.67	62.81	71.94	94.27	43.76
9	Fluoride (as F)	APHA- 22nd Edition	1.0	1.5	mg/l	0.23	0.17	0.26	0.19	0.18	0.28
10	Iron(as Fe)	IS:3025 (part 53-2004)	0.3	NR	mg/l	0.17	0.19	0.24	0.21	0.17	0.26
11	Nitrate(as NO3)	APHA- 22nd Edition	45	NR	mg/l	7.28	<2	12.68	8.16	6.83	9.17

Shree Raipur Cement Plant
(A Unit of Shree Cement Ltd)
Monsoon (August 2018) Ground Water Quality Analysis in Buffer Zone, Year-2018

Sr. No.	Parameters	Ref. Method	Acceptable / Permissible Limit (IS 10500:2012)		Unit	Buffer Zone					
			Desirable	Permissible		Ground Water from Bharuwadih Village	Ground water from Khapardihi Village	Ground water from Champa Village	Ground Water from Sarseni village	Ground water from Semaradih Village	Ground Water from Chandl village
1	pH	IS:3025 (part11)-1983	6.5-8.5	NR	-	6.92	6.72	7.19	6.73	7.34	6.86
2	TDS	IS:3025 (part 16)-1984	500	2100	mg/l	273	267	307	287	287	291
3	Alkalinity as CaCO3	IS:3025(part 23)-1986	200	600	mg/l	73.92	94.17	104.76	112.38	82.76	106.73
4	Total Hardness (as CaCO3)	IS:3025(part 21)-1983	200	600	mg/l	167.24	194.3	176.58	170.98	174.47	180.68
5	Calcium (as Ca2+)	IS:3025 (part 40)-1991	75	200	mg/l	53.49	62.51	57.18	57.19	56.17	57.19
6	Magnesium (as Mg2+)	IS:3025 (part 46)- 1994	30	100	mg/l	8.16	9.26	8.19	6.82	8.29	9.18
7	Chloride (as Cl)	IS:3025 (part 32)- 1988	250	1000	mg/l	108.37	128.8	118.5	116.5	117.3	121.58
8	Sulphate(as SO4)	APHA- 22nd Edition	200	400	mg/l	104.73	112.6	104.7	81.4	104.8	108.76
9	Fluoride (as F)	APHA- 22nd Edition	1.0	1.5	mg/l	0.23	0.28	0.34	0.28	0.26	0.31
10	Iron(as Fe)	IS:3025 (part 53-2004)	0.3	NR	mg/l	0.26	0.24	0.26	0.24	0.27	0.23
11	Nitrate(as NO3)	APHA- 22nd Edition	45	NR	mg/l	9.38	7.26	7.42	9.26	<2	<2

2
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**Shree Raipur Cement Plant
(A Unit of Shree Cement Ltd)**

**Ground Water Level Monitoring, Year-2018 (Pre Monsoon - May 18)
Depth to ground water level monitoring data in core zone**

Sr. No.	Location	May 2018 (Pre Monsoon) depth to water level (mbgl)
1	Ground Water from Piezometer (Near Green house)	33.11
2	Ground Water from Piezometer (Near Old Mines Gate)	25.48
3	Ground Water from Piezometer (Near Khapradih Gate)	36.57
4	Ground Water from Piezometer (Near Mines Office)	20.15
5	Ground Water from Piezometer (Near AAQMS 1 Bharuadih Village)/(cement mill feed hopper)	22.64
6	Ground Water from Piezometer (Near Bachelor Hostel Colony)	23.55



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

**Ground Water Level Monitoring, Year-2018 (Monsoon - August 18)
Depth to ground water level monitoring data in core zone**

Sr. No.	Location	August 2018 (Monsoon)depth to water level (mbgl)
1	Ground Water from Piezometer (Near Green house)	20.15
2	Ground Water from Piezometer (Near Old Mines Gate)	2.45
3	Ground Water from Piezometer (Near Khapradih Gate)	7.4
4	Ground Water from Piezometer (Near Mines Office)	8.54
5	Ground Water from Piezometer (Near AAQMS 1 Bharuadih Village)	7.12
6	Ground Water from Piezometer (Near Bachelor Hostel Colony)	6.55



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

**Ground Water Level Monitoring, Year-2018 (Pre Monsoon - May-2018)
Depth to ground water level monitoring data in buffer zone**

Sr. No.	Location	May-2018 (Pre Monsoon) depth to water level (mbgl)
1	Ground Water from Bharuwadih Village/(Plezo Meter Semaradih)	6.76
2	Ground water from Khapardi Village	8.54
3	Ground water from Champa Village	4.59
4	Ground Water from Sarseni village	6.59
5	Ground water from Semaradih Village	7.51
6	Ground Water from Chandl village	6.33



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

**Ground Water Level Monitoring, Year-2018 (Monsoon - August 18)
Depth to ground water level monitoring data in buffer zone**

Sr. No.	Location	August 2018 (Monsoon) depth to water level (mbgl)
1	Ground Water from Bharuwadh Village	1.37
2	Ground water from Khapardi Village	2.65
3	Ground water from Champa Village	0.97
4	Ground Water from Sarzeni village	2.1
5	Ground water from Semaradih Village	2.41
6	Ground Water from Chandi village	0.9



Year-2018-19 (Up to Sep-18)							
Spirometry							
Name of Dept.	Total Employees	FVC (litres)	FEV 1	FEV 1/ FVC %	PEFR	Conclusi on	Chest X- Ray
					(litres/sec)		
Civil	Will be done as per schedule						
Commercial	1	WNL	WNL	WNL	WNL	WNL	WNL
Process	3	WNL	WNL	WNL	WNL	WNL	WNL
Drawing & Design	Will be done as per schedule						
Electrical	Will be done as per schedule						
Techno-commercial	2						
Lab and QC	2	WNL	WNL	WNL	WNL	WNL	WNL
Medical	Will be done as per schedule						
Instrumentation	Will be done as per schedule						
Mines	176	WNL	WNL	WNL	WNL	WNL	WNL
Mechanical	Will be done as per schedule						
P & A	Will be done as per schedule						
Total No. of employees	184	Normal	Normal	Normal	Normal	100 % Normal	100 % Normal

Note :- Total man power is 683 Up to Sep-18. Health Checkup being done as per Schedule.

Year-2018-19 (Up to Sep-18)			
Audiometry			
Name of Dept.	Total Employees	Right Ear	Left Ear
Civil	Will be done as per schedule		
Commercial	1	WNL	WNL
Process	3	WNL	WNL
Drawing & Design	Will be done as per schedule		
Electrical	Will be done as per schedule		
Techno-commercial	2		
Lab and QC	2	WNL	WNL
Medical	Will be done as per schedule		
Instrumentation	Will be done as per schedule		
Mines	176	WNL	WNL
Mechanical	Will be done as per schedule		
P & A	Will be done as per schedule		
Total No. of employees	184	Normal	Normal

Note :- Total man power is 683 Up to Sep-18. Health Checkup being done as per Schedule.

9/13

Year-2018-19 (Up to Sep-18)						
Biochemical parameter (Urine)						
Name of Dept.	Total Employees	Sp. gravity	pH	RBC	Protein	Sugur
Civil	Will be done as per schedule					
Commercial	1	WNL	WNL	Nil	Nil	Nil
Process	3	WNL	WNL	Nil	Nil	Nil
Drawing & Design	Will be done as per schedule					
Electrical	Will be done as per schedule					
Techno-commercial	2					
Lab and QC	2	WNL	WNL	Nil	Nil	Nil
Medical	Will be done as per schedule					
Instrumentation	Will be done as per schedule					
Mines	176	WNL	WNL	Nil	Nil	Nil
Mechanical	Will be done as per schedule					
P & A	Will be done as per schedule					
Total No. of employees	184	Normal	Normal	Normal	Normal	Normal

Note :- Total man power is 683 Up to Sep-18. Health Checkup being done as per Schedule.



Year-2018-19 (Up to Sep-18)						
Biochemical parameter (Blood)						
Name of Dept.	Total Employees	CBC	Lipid Profile	Renel Profile	Liver Function Test	Blood Sugar
Civil	Will be done as per schedule					
Commercial	1	WNL	WNL	WNL	WNL	WNL
Process	3	WNL	WNL	WNL	WNL	WNL
Drawing & Design	Will be done as per schedule					
Electrical	Will be done as per schedule					
Techno-commercial	2					
Lab and QC	2	WNL	WNL	WNL	WNL	WNL
Medical	Will be done as per schedule					
Instrumentation	Will be done as per schedule					
Mines	176	WNL	WNL	WNL	WNL	WNL
Mechanical	Will be done as per schedule					
P & A	Will be done as per schedule					
Total No. of employees	184	Normal	Normal	Normal	Normal	Normal

Note :- Total man power is 683 Up to Sep-18. Health Checkup being done as per Schedule.

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Year-2018-19 (Up to Sep-18)								
Circulatory system Vision								
Name of Dept.	Total Employees	Pulse	ECG	BP	Right Eye	Left Eye	Color Blindness	Squint
Civil	Will be done as per schedule							
Commercial	1	Normal	WNL	Normal	Normal	Normal	Nil	Normal
Process	3	Normal	WNL	Normal	Normal	Normal	Nil	Normal
Drawing & Design	Will be done as per schedule							
Electrical	Will be done as per schedule							
Techno-commercial	2							
Lab and QC	2	Normal	WNL	Normal	Normal	Normal	Nil	Normal
Medical	Will be done as per schedule							
Instrumentation	Will be done as per schedule							
Mines	176	Normal	WNL	Normal	Normal	Normal	Nil	Normal
Mechanical	Will be done as per schedule							
P & A	Will be done as per schedule							
Total No. of employees	184	Normal	WNL	Normal	Normal	Normal	Nil	Normal

Note :- Total man power is 683 Up to Sep-18. Health Checkup being done as per Schedule.



Occupational Health Centre

Shree Raipur Cement Plant
Khapradih, Baloda bazar



Ref. No
Patient Name
C/o
Ref. By Dr.


MR. MANOJ S PATIL
DR. SANTOSH KUMAR


Date
A/S/R
Dept/E.Code

28-06-2018
L&T MINES

BIO-CHEMISTRY

Test	Result	Normal Ref Range
LIPID PROFILE		
TOTAL CHOLESTEROL	167	140-250 mg/dl
S. TRIGLYCERIDE	115	25-160 mg/dl
HDL	56	42-79.5 mg/dl
LDL	88	50-150 mg/dl
VLDL	23	10-30 mg/dl
LIVER FUNCTION TEST		
S. BILIRUBIN		
TOTAL		0.1-1.0 mg/dl
DIRECT		0.1-0.2 mg/dl
INDIRECT		0.1-0.4 mg/dl
SGOT	20	5-34 IU/L
SGPT	27	5-40 IU/L
ALK. PHOSPHATASE	66	15-112 IU/L
RENAL FUNCTION TEST		
B. UREA	20	13-45 mg/dl
S. CREATININE	0.9	0.4-1.4 mg/dl
BLOOD SUGAR		
FASTING	87	60-110 mg/dl
P P	110	110-140 mg/dl
RANDOM		60-140 mg/dl
S. URIC ACID		3.4-7.0 mg/dl


Tech. Signature


Signature of Doctor



1(FORM - O)
(See rule 29F (2) and 29L)

Report of medical examination under rule 29B
(To be issued in triplicate)**

Certificate No. _____

Certified that Shri/Shrimati* Mang. Patel employed as SRCP mine, Form B no. _____ has been examined for an initial/periodical examination. He/She appears to be 38 Years of age. The findings of the examining authority are given in the attached sheet. It is considered that Shri/Shrimati Mang. Patel _____

- (a) * Is medically fit for any employment in mines.
(b) * is suffering from _____ and is medically unfit for
(a) Any employment in mines; or
(b) Any employment below ground; or
(c) Any employment or work _____

©* is suffering from _____ is, should get this disability* cured/controlled and should be again examined within a period of _____ months. He/She will appear for re-examination with the result of test of _____ and the opinion of _____ Specialist from _____ He/She may be permitted/not* permitted to carry on his duties during this period.



Affixing Passport
size Photograph of the
Candidate.

Signature of the examining
authority

DR. SANJAY KUMAR

Name and designation in Block letters

(A Unit of Shree Cement Ltd.)

Village : Khapradh, Tehsil : Simpa

Distt. Raigarh Bazar, Raigarh

Pin : 493 332 (Chhattisgarh)

Place: SRCP, OH

Date: 5/07/18

*Delete whatever is not applicable.

** One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post; and the third copy shall be retained by the examining authority,

AS



Occupational Health Centre

Shree Raipur Cement Plant
Khapradih, Baloda bazar



Ref. No
Patient Name
C/o
Ref. By Dr.

MR.MANOJ S PATIL
DR.SANTOSH KUMAR

Date
A/S/R
Dept/E.Code

28-06-2018
L&T MINES

Haematology

Test	Result	Normal Ref. Range
BLOOD GROUPING & Rh TYPING		
CBC		
HB %	15	10-17 gm%
RBC COUNT	5.27	4.0-5.90 /cumm
PLATELET COUNT	2,44,000	1,50000-4,00000 /cumm
MCV		86-111 /cu
MCH		29-35 micro/g
MCHC		31-37 %
RDW-CV		11-16 %
TLC (TOTAL WBC COUNT)	6,400	4000-12000 /cumm
POLYMORPHS	44	40-80 %
LYMHOCYTES	42	20-50 %
MONOCYTES	6	1-8 %
EOSONOPHIL	8	1-8 %
BASOPHILS	0	0-1 %
ESR		
MANTOUX TEST		
VDRL		
MP		


Tech. Signature


Signature of Doctor



Report of the examining authority
(to be filled in for every medical examination whether initial or periodical or re-examination or after cure/control of disability).

Annexure to Certificate No. as result of medical examination on 05/11/18
Identification Mark. Birth Mark on Rt side of lower neck.

Left thumb impression of
The candidate

Good/Fair/Poor

1. General development
2. Height..... 162 Cms.
3. Weight..... 68 kg.
4. Eyes :

- (i) Visual acuity - Distant vision (with or without glasses).
Right eye..... 6/6. Left eye..... 6/6.
- (ii) Any organic disease of eyes — ny
- (iii) Night blindness — ny
- (iv) Colour blindness — ny
- (v) Squint — ny

(* to be tested in special cases)

5. Ears :

- (a) Hearing : Right ear. — ny Left ear — ny
- (b) Any organic diseases — ny

6. Respiratory system. Chest measurement :

- (i) After full inspiration 97 cms.
- (ii) After full expiration 92 cms.

7. Circulatory system:

Blood Pressure Pulse

BP — 137/90 mm Hg
Pulse — 80/min

8. Abdomen : Tenderness. Liver.

Spleen.

Tumour.

— ny enlarged
— ny palpable

9. Nervous system:

History of fits or epilepsy

Paralysis. Mental health.

— ny

10. Locomotory system

11. Skin.

12. Hydrocele.

— ny
— ny
— ny

AB3



Occupational Health Centre

Shree Raipur Cement Plant
Khapradih, Baloda bazar



Ref. No
Patient Name
C/o
Ref. By Dr.

MR.MANOJ S PATIL
DR.SANTOSH KUMAR

Date
A/S/R
Dept/E.Code

28-06-2018
L&T MINES

TESTS
URINE RM
Colour
Apperance
Specific Gravity
Reaction(pH)
Urine -Glucose
Urine -Albumin
Pus cells
Red Blood Cells
Epithelial Cells
Casts
Crystals

RESULTS

NIL
NIL
0-1/HPF
NIL
0-1/HPF

NORMAL REF. RANGE

STOOL RM
TESTS
OVA
CYST
RBC
PUS CELLS
MUCUS


Tech. Signature


Signature of Doctor



13. Hernia.
14. Any other abnormality — *no*
15. Urine :
Reaction.
Albumin.
Sugar.
16. Skiagram of chest.
17. Any other test considered necessary by the examining authority.
18. Any opinion of specialist considered necessary.

Spencer - Wm
Adams - Wm

[Signature]
5/28/18
Signature of the examining authority

Place: *SRCP/ML*

[Signature]

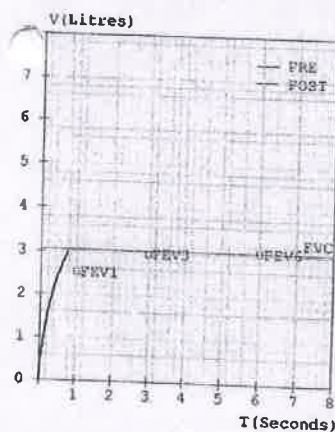
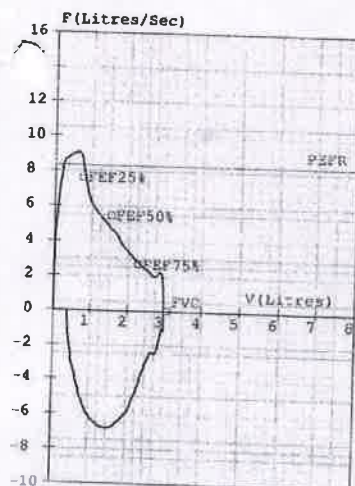
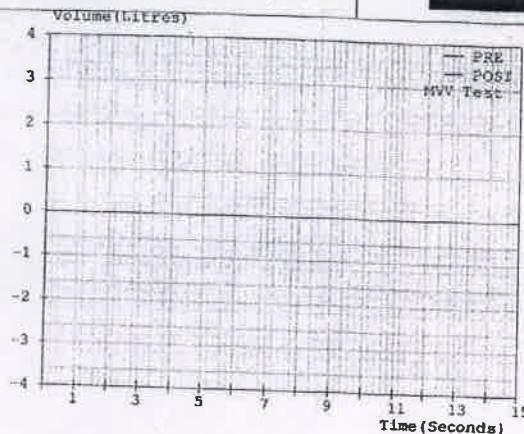
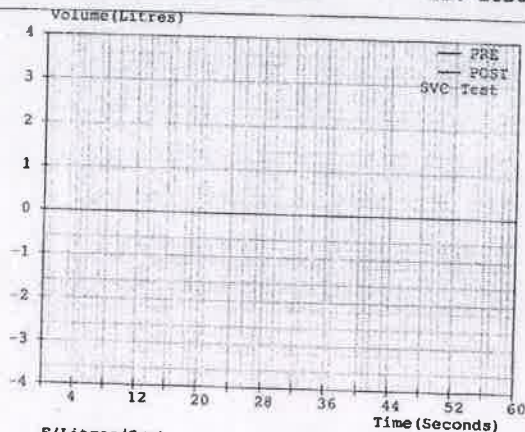
SHREE RAIPUR CEMENT PLANT

KHAPARADIH, BALODA BAZAR

Ref. By: **Manoj .s.patil**
 Red. Eqns: **RECORDERS**
 Date : **28-Jun-2018 11:35 AM**

Age : **39 Years**
 Height : **162 Cms**
 Weight : **68 Kgs**
 ID: **18363**

Gender : **Male**
 Smoker : **No**
 Eth. Corr: **100**
 Temp :



Spirometry Results						
Parameter	Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC (L)	03.06	02.98	097			
FEV1 (L)	02.53	02.98	118			
FEV1/FVC (%)	82.68	100.00	121			
FEF25-75 (L/s)	03.83	04.50	117			
PIFR (L/s)	08.32	09.00	108			
FEV.5 (L)		02.59				
FEV3 (L)		02.46				
PIFR (L/s)		02.97	100			
FEF75-85 (L/s)		06.80				
FEF.2-1.2 (L/s)		02.46				
FEF 25% (L/s)	06.55	07.40	113			
FEF 50% (L/s)	07.62	08.44	111			
FEF 75% (L/s)	05.44	04.73	087			
FEV.5/FVC (%)	02.65	02.88	109			
FEV3/FVC (%)		82.55				
FET (Sec)	97.06	100.00	103			
ExpirTime (Sec)		00.76				
Lung Age (Yrs)		00.67				
FEV6 (L)	039	032	082			
FIF 25% (L/s)	03.06					
FIF 50% (L/s)		02.45				
FIF 75% (L/s)		05.60				
SVC (L)		06.73				
ERV (L)						
IRV (L)	01.30					
VE (L/min)						
PI (l/min)						
TI (sec)						
Te (sec)						
VT (L)						
VT/TI						
TI/Ttot						
IC (L)						
MVV (L/min)	124					
MRE (l/min)						
MVI (L)						

Pre Medication Report Indicates
 Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80.

Factory Medical Officer

The contents of this report require clinical co-relation before any clinical action.

<http://www.rasindia.com> © RAS Spirometer (Helios_V3.1.R51)

AB

DOCTOR / AUDIOLOGIST

AUDIOGRAM



Name: _____

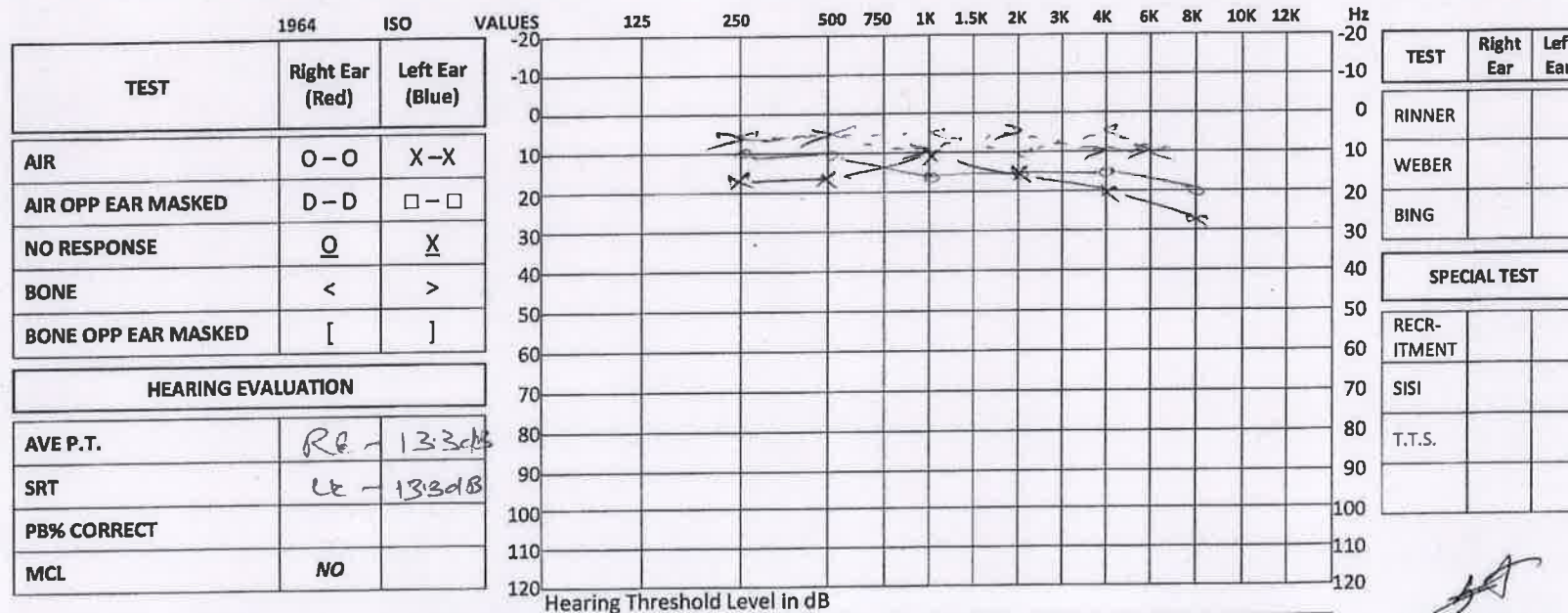
Address: Shop

PATIENT NAME:

Mamay PatelSEX: mAGE: 39

Yrs.

ADDRESS:

minesDATE: 28/08/18

Remarks:

go all normal hearing sensitivity

[Signature]
FACTORY MEDICAL
OFFICER

[Signature]

SHREE RAIPUR CEMENT PLANT

(A UNIT OF SHREE CEMENT LTD)

KHAPRA DIH DIST BALODABAZAR -BHATAPARA (C.G.)

Sr.No-

PATIENT NAME MR. MANOJ S PATIL

AGE/SEX 38 YRS /MALE

X-RAY CHEST PA VIEW

- Both the lung fields are clear
- Trachea central in position
- Both costo-phrenic angles are clear
- The cardiac shadow is within normal limits
- The bony thorax is normal

OPINION:- NORMAL STUDY

Signature:

(DR. SANTOSH KUMAR)
AGM (Health Services)

8/11/18
AB

CATEGORY-A



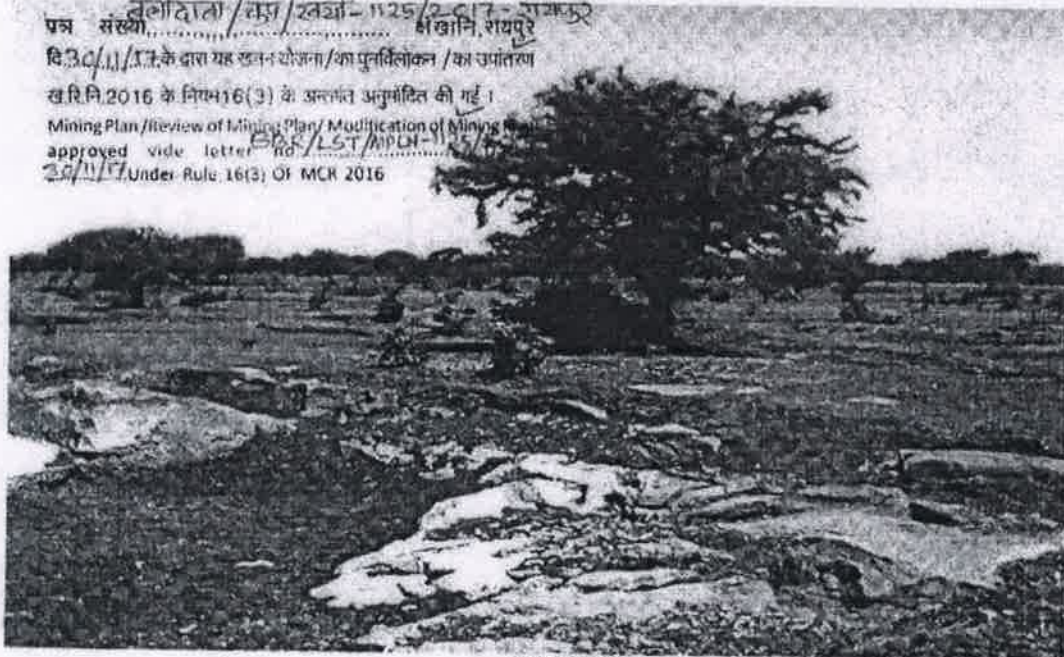
MODIFIED MINING PLAN WITH PROGRESSIVE MINE CLOSURE PLAN

(Submitted under Rules 17(3) of Minerals (other than Atomic and Hydro-Carbon Energy Minerals) Concession
Rules, 2016 & Rule 23 of Mineral Conservation & Development Rules 2017) अनुमोदित/Approved
OF

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 MODIFIED MINING PLAN 1st APRIL 2017 TO 31st MARCH 2020
LIMESTONE PRODUCTION 11.06 MILLION TONNES PER ANNUM

पत्र संख्या: तुलनादाता/समा/खस्यो- 1125/2-2017- रायपुर
दि. 30/11/17 के द्वारा यह खनन योजना/का पुनर्विलोकन/का उपांतरण
ख.नि. 2016 के नियम 16(3) के अन्तर्गत अनुमोदित की गई।
Mining Plan/Review of Mining Plan/ Modification of Mining Plan
approved vide letter No. 38/LST/MPCH-1125/2-17
30/11/17 Under Rule 16(3) Of MCR 2016



LESSEE

M/S SHREE CEMENT LIMITED

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

Email-shreebwr@shreecementltd.com

Phone: 01462 228101-6 Fax: 01462 228117

IBM Registration no. : IBM/960/2011

Mine Code: 38 CHG 14027

Volume -1 (Text)

PREPARED BY

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

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

Handwritten signature and date: 30/11/2017
क्षेत्रीय खान नियंत्रक,
Regional Controller of Mines
भारतीय खान ब्यूरो, रायपुर
Indian Bureau of Mines, Raipur



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.

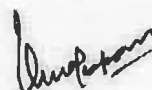
18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone : (011) 23383561 Fax : 23382051, 23386743

Website: www.cgwa.noc.gov.in

स्वच्छ सुरक्षित जल - सुन्दर खुशहाल कल

CONSERVE WATER - SAVE LIFE

4. The firm shall continue to execute monthly ground water level monitoring in the project area through four (4) nos. of existing piezometers. Further, the firm shall continue to monitor ground water levels four (4) times a year (January, May, August and November) in core and buffer zone through existing key wells. The firm shall install digital water level recoders in all of the existing piezometers and install telemetry system in one of the piezometers and share the user ID and password of the telemetry system with the Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur.
5. The ground water quality shall be monitored once in a year during pre monsoon period.
6. The ground water monitoring data in respect of S. No. 2, 4, & 5 shall be submitted to the Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur on regular basis at least once in a year.
7. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.
8. Action taken report in respect of S.N o. 1 to 7 shall be submitted to CGWA within one year period.
9. The NOC is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 8.
10. This NOC is subject to prevailing Central/State Government rules/laws or Court orders related to construction of tubewell/ground water withdrawal/construction of recharge or conservation structures/discharge of effluents or any such matter as applicable.
11. This NOC does not absolve the applicant / proponent of his obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
12. The NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and be taking decisions independently of the NOC.



Regional Director

Copy to:

1. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block Sector-19, Naya Raipur, Chhattisgarh with a **request to ensure that the conditions mentioned in the NOC are complied by the firm in consultation with the District Collector & Magistrate, District Balodabazar-Bhatapara, Chhattisgarh.**
2. The District Collector & Magistrate, District Balodabazar-Bhatapara, Chhattisgarh for necessary action.
3. The Regional Director, Central Ground Water Board, North Central Chhattisgarh Region, Raipur. This has reference to your recommendation dated 05/09/2018.
4. Guard File 2018-19.

Regional Director



Event Report

Date/Time Tran at 13:14:41 September 13, 2018
 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

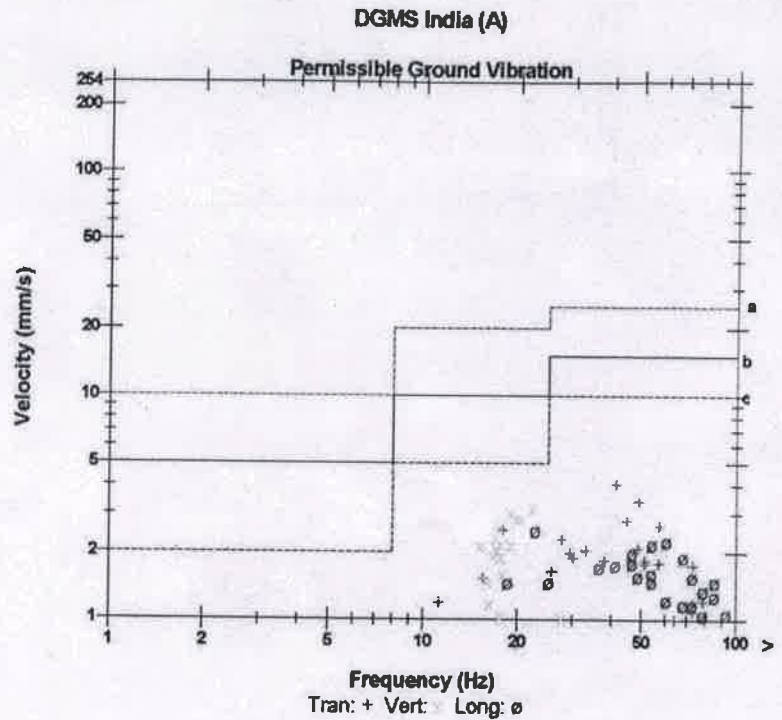
Notes

Location: 260MRL(W),BLOCK3
 Client: SCL RAIPUR
 User Name: SHREE CEMENT LTD
 General: LIMESTONE MINES

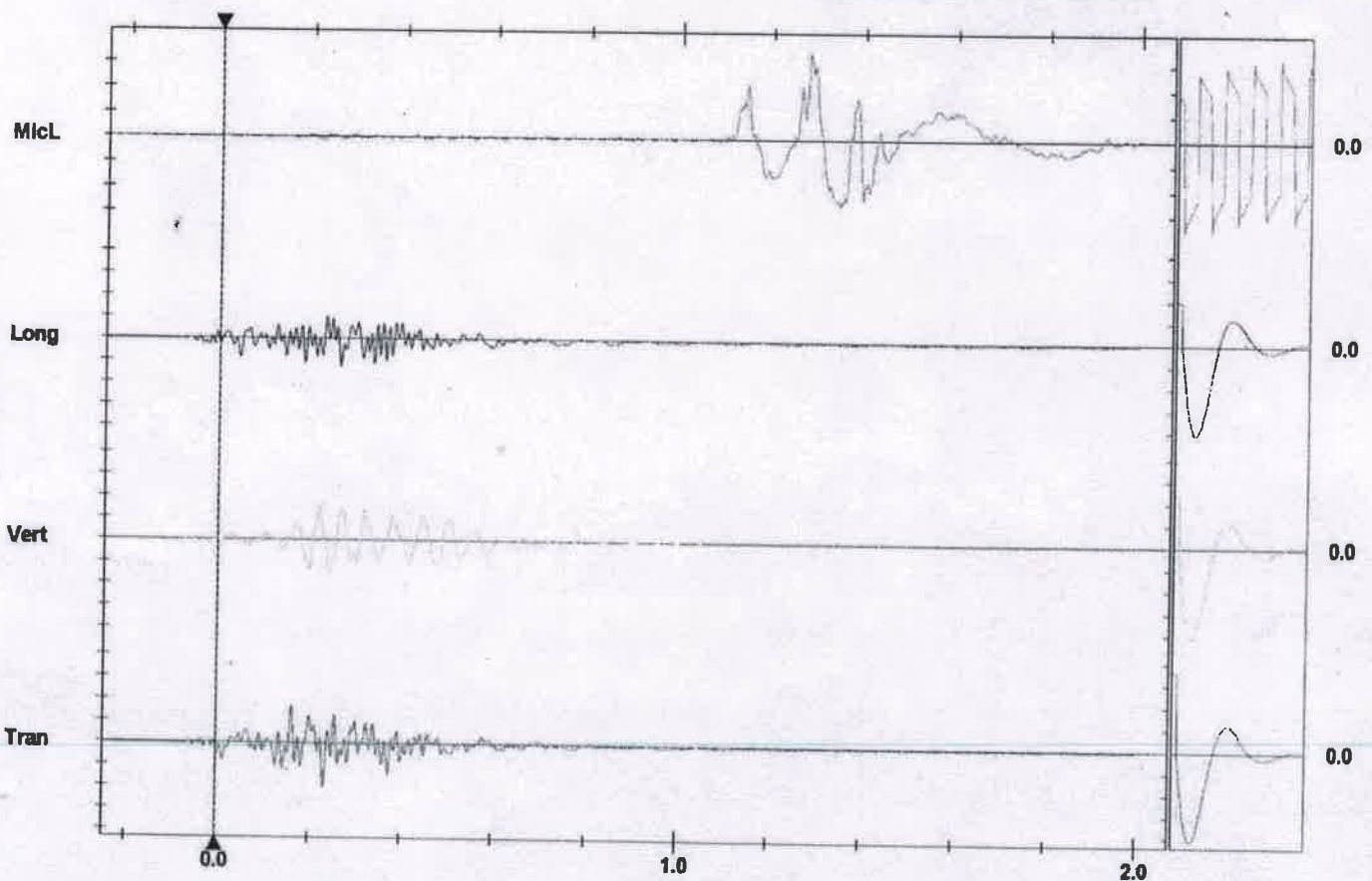
Microphone Linear Weighting
 PSPL 124.8 dB(L) at 1.278 sec
 ZC Freq 8.1 Hz
 Channel Test Passed (Freq = 19.7 Hz Amp = 1206 mv)

	Tran	Vert	Long	
PPV	4.028	3.184	2.530	mm/s
PPV	63.10	61.06	59.06	dB
ZC Freq	41	22	23	Hz
Time (Rel. to Trig)	0.233	0.220	0.262	sec
Peak Acceleration	0.104	0.061	0.084	g
Peak Displacement	0.017	0.022	0.012	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.7	7.7	7.5	Hz
Overswing Ratio	3.4	3.5	3.3	

Peak Vector Sum 4.313 mm/s at 0.232 sec



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



AS

Date/Time Long at 14:31:50 August 18, 2018
Trigger Source Geo: 0.700 mm/s
Range Geo: 254.0 mm/s
Record Time 2.0 sec at 2048 sps
Job Number: 1
Operator/Setup: Operator/SHREE Limestone MINES.MMB

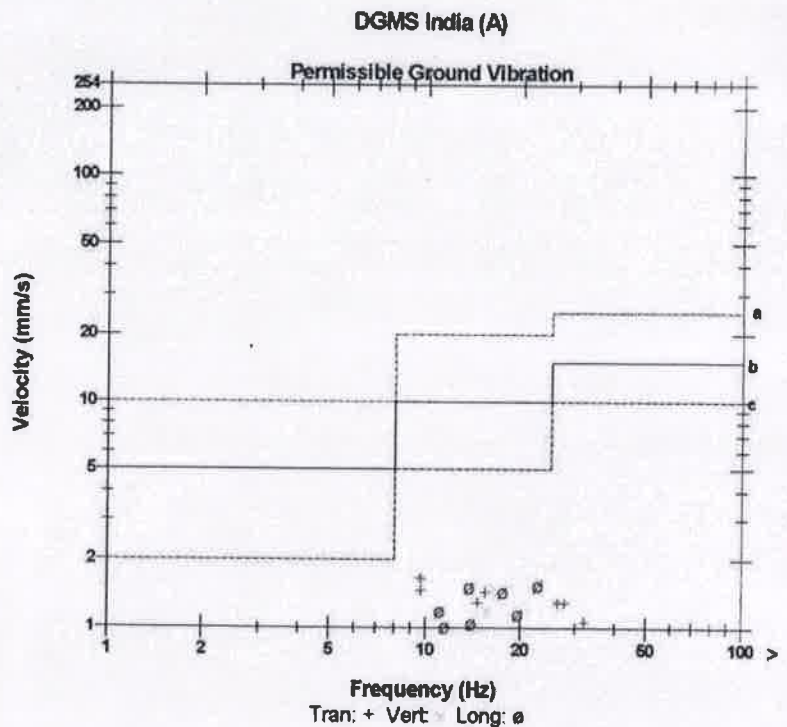
Serial Number UM12333 V 10-87 Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration October 28, 2017 by UES New Delhi
File Name _TEMP.EVT

Notes

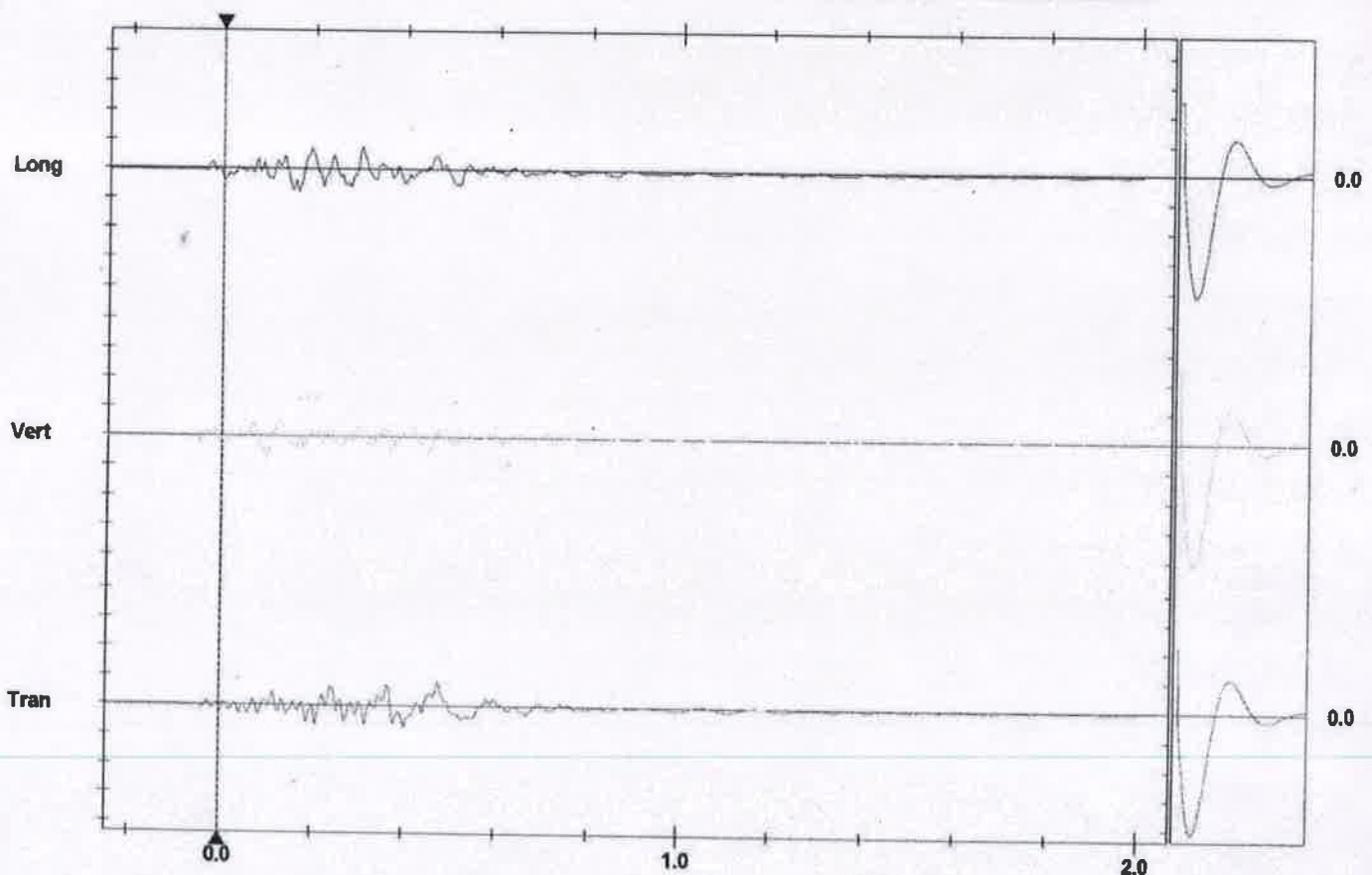
Location: 260MRL(W),BLOCK3
Client: SCL RAIPUR
User Name: SHREE CEMENT LTD
General: LIMESTONE MINES

	Tran	Vert	Long	
PPV	1.663	1.474	1.553	mm/s
PPV	55.42	54.37	54.82	dB
ZC Freq	9.7	17.1	23	Hz
Time (Rel. to Trig)	0.475	0.100	0.302	sec
Peak Acceleration	0.039	0.030	0.041	g
Peak Displacement	0.020	0.012	0.017	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.7	7.5	Hz
Overswing Ratio	3.5	3.4	3.3	

Peak Vector Sum 1.863 mm/s at 0.191 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

Sensor Check



Date/Time Vert at 16:34:23 July 28, 2018
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 3.4 Volts
Unit Calibration October 28, 2017 by UES New Delhi
File Name _TEMP.EVT

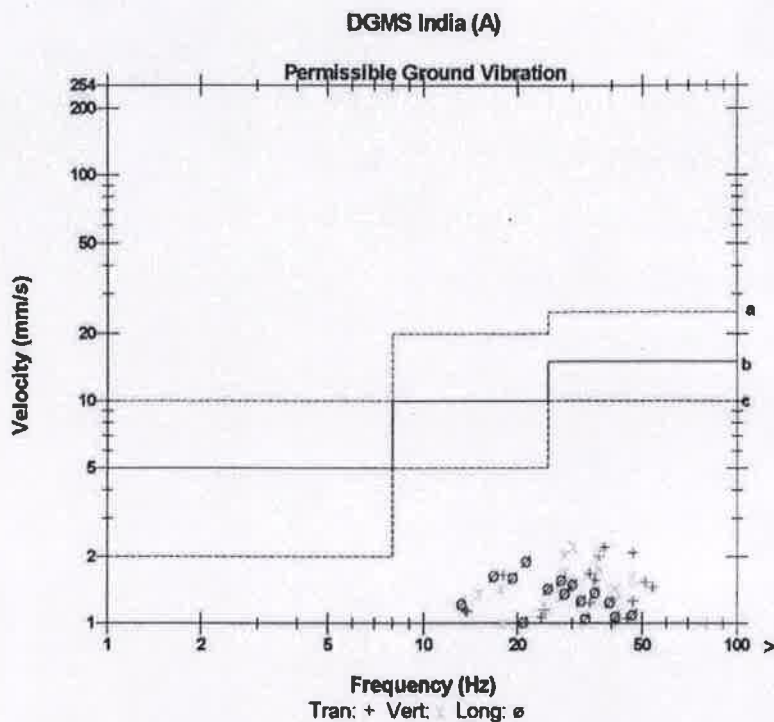
Notes

Location: 260MRL(SW),BLOCK3
Client: SCL RAIPUR
User Name: SHREE CEMENT LTD
General: LIMESTONE MINES

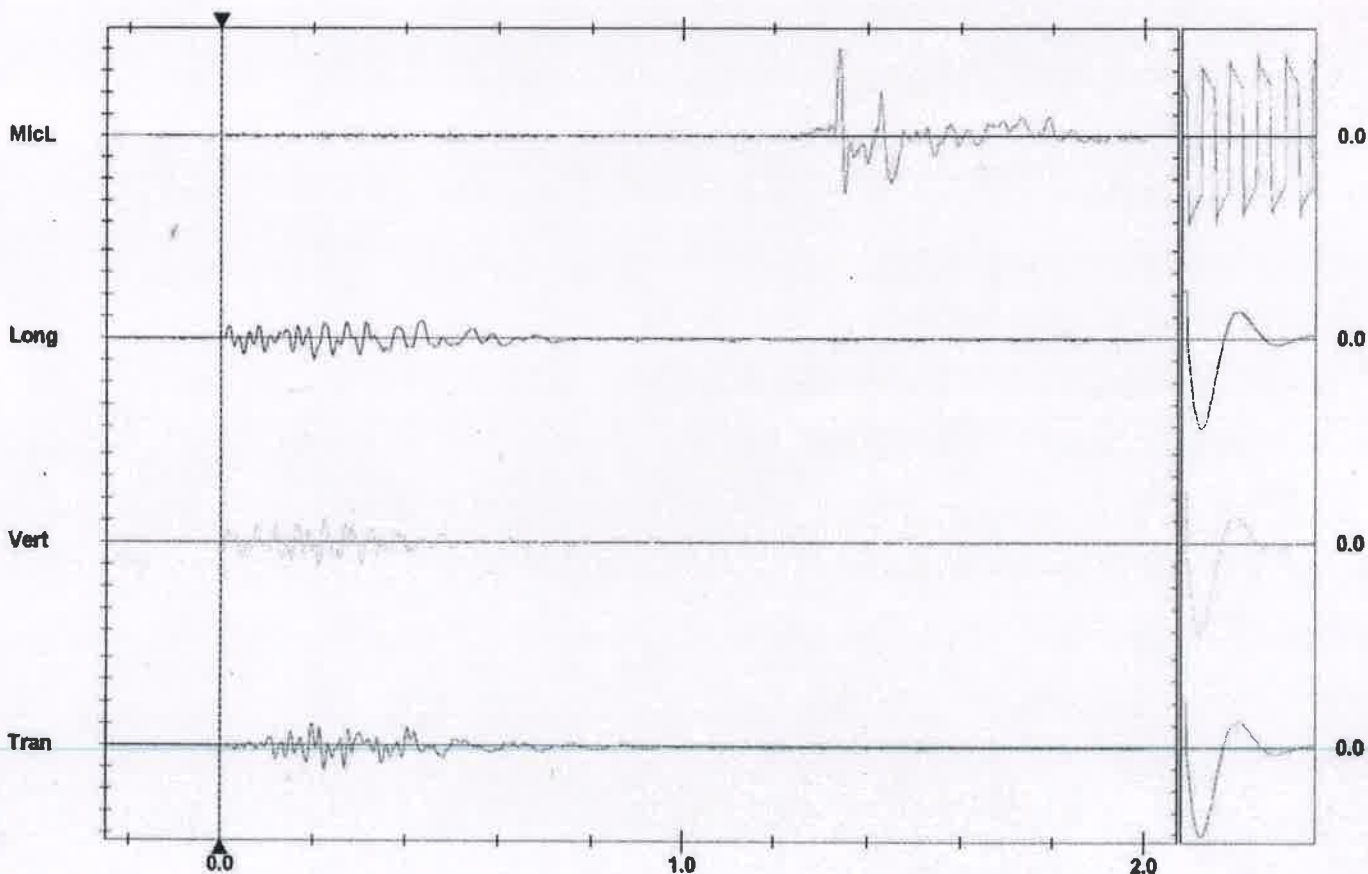
Microphone Linear Weighting
PSPL 126.1 dB(L) at 1.339 sec
ZC Freq 5.2 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1177 mv)

	Tran	Vert	Long	
PPV	2.215	2.254	1.939	mm/s
PPV	57.91	58.06	56.75	dB
ZC Freq	38	30	21	Hz
Time (Rel. to Trig)	0.225	0.225	0.201	sec
Peak Acceleration	0.064	0.064	0.044	g
Peak Displacement	0.013	0.014	0.014	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.7	7.5	Hz
Overswing Ratio	3.6	3.4	3.3	

Peak Vector Sum 3.448 mm/s at 0.225 sec



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



Date/Time Vert at 14:44:14 June 30, 2018
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

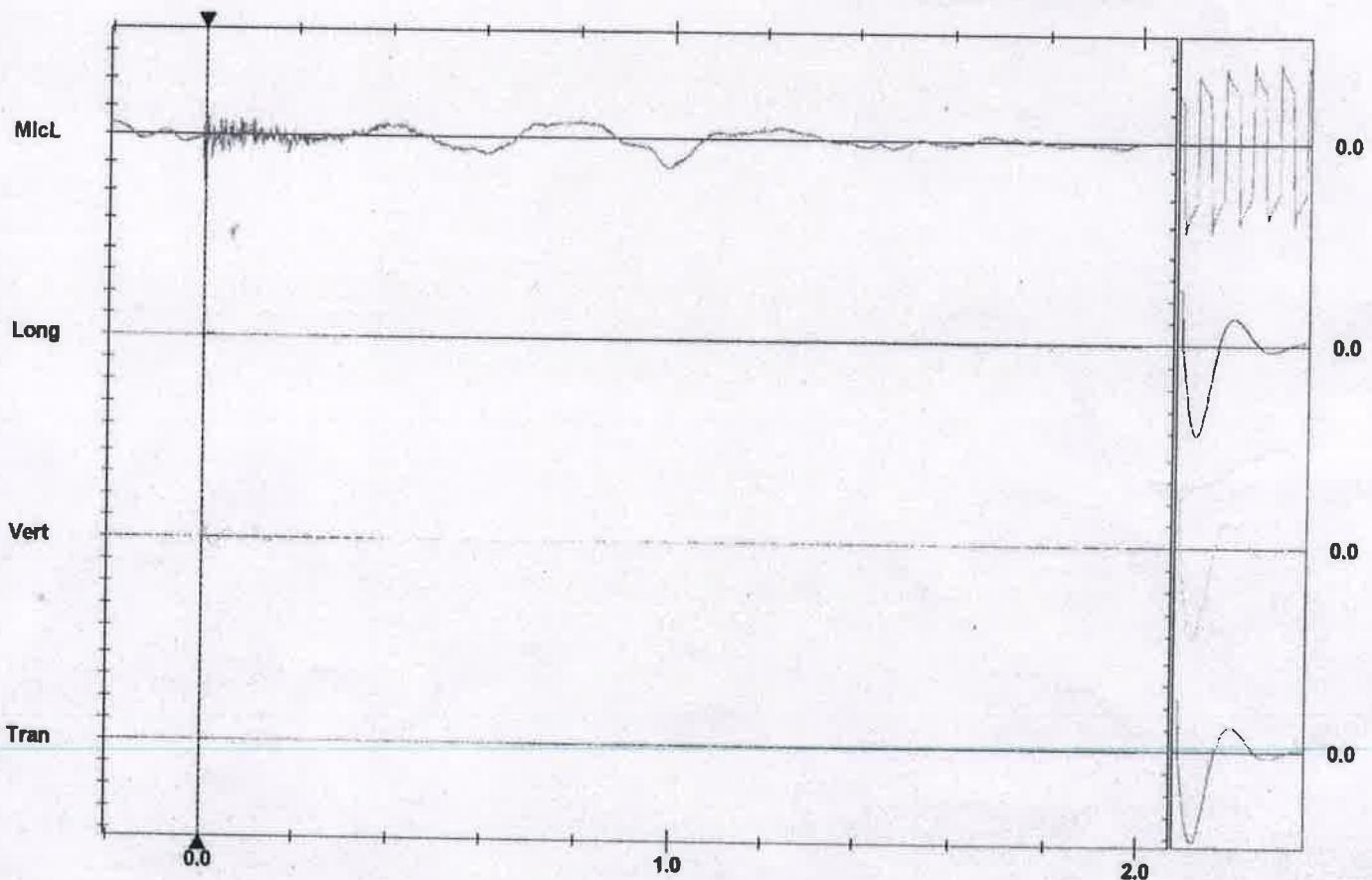
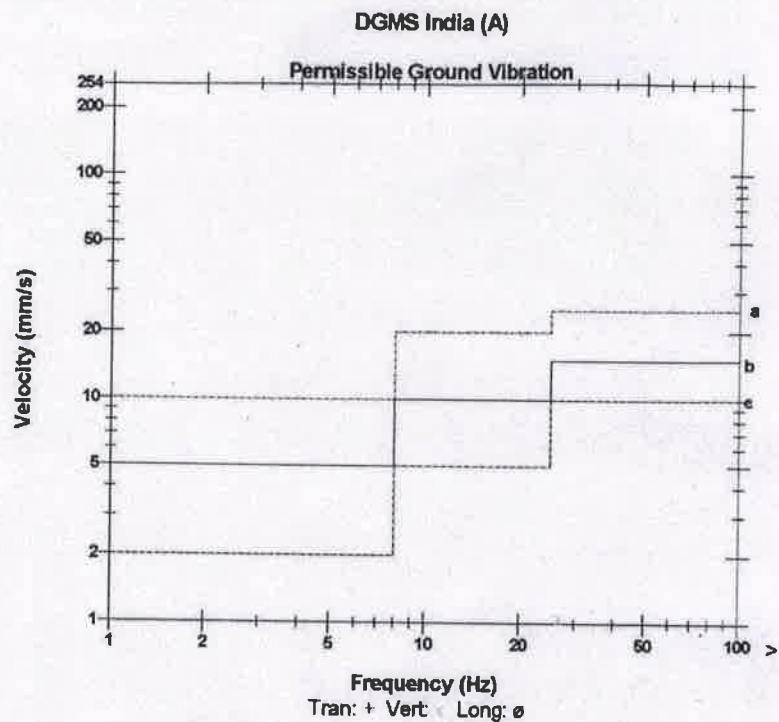
Serial Number UM12333 V 10-87 Micromate ISEE
Battery Level 3.8 Volts
Unit Calibration October 28, 2017 by UES New Delhi
File Name __TEMP.EVT

Notes
Location: 260MRL(SW),BLOCK3
Client: SCL RAIPUR
User Name: SHREE CEMENT LTD
General: LIMESTONE MINES

Microphone Linear Weighting
PSPL 98.30 dB(L) at -0.002 sec
ZC Freq 146 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1222 mv)

	Tran	Vert	Long	
PPV	0.173	1.072	0.118	mm/s
PPV	35.78	51.60	32.45	dB
ZC Freq	17.1	27	85	Hz
Time (Rel. to Trig)	0.014	0.002	-0.001	sec
Peak Acceleration	0.013	0.054	0.015	g
Peak Displacement	0.006	0.007	0.003	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.7	7.5	Hz
Overswing Ratio	3.6	3.5	3.3	

Peak Vector Sum 1.073 mm/s at 0.002 sec



AB

Date/Time Long at 14:23:48 May 24, 2018
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

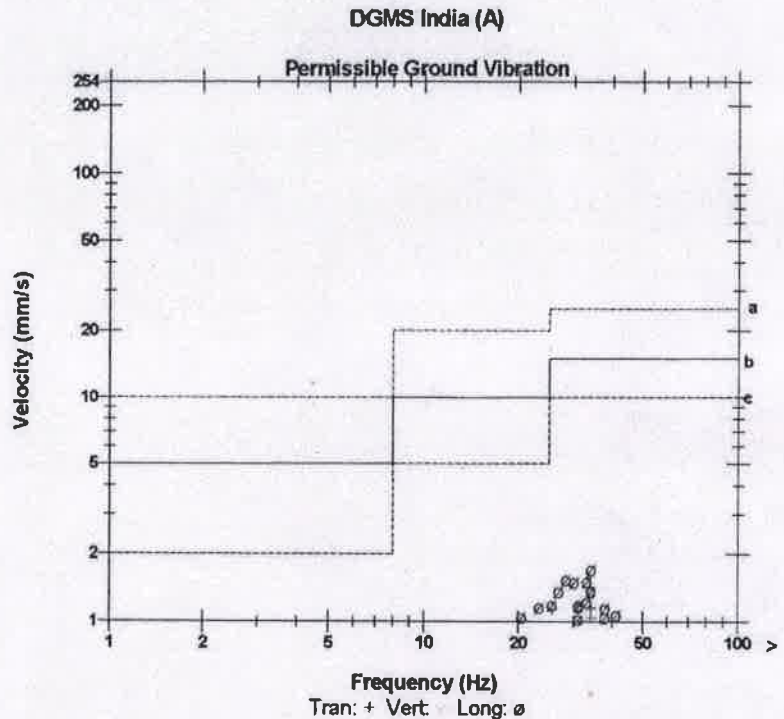
Serial Number UM12333 V 10-87 Micromate ISEE
Battery Level 3.5 Volts
Unit Calibration October 28, 2017 by UES New Delhi
File Name _TEMP.EVT

Notes
Location: BLOCK-3,240MRL(SW),east throw
Client: SCL RAIPUR
User Name: SHREE CEMENT LTD
General: LIMESTONE MINES

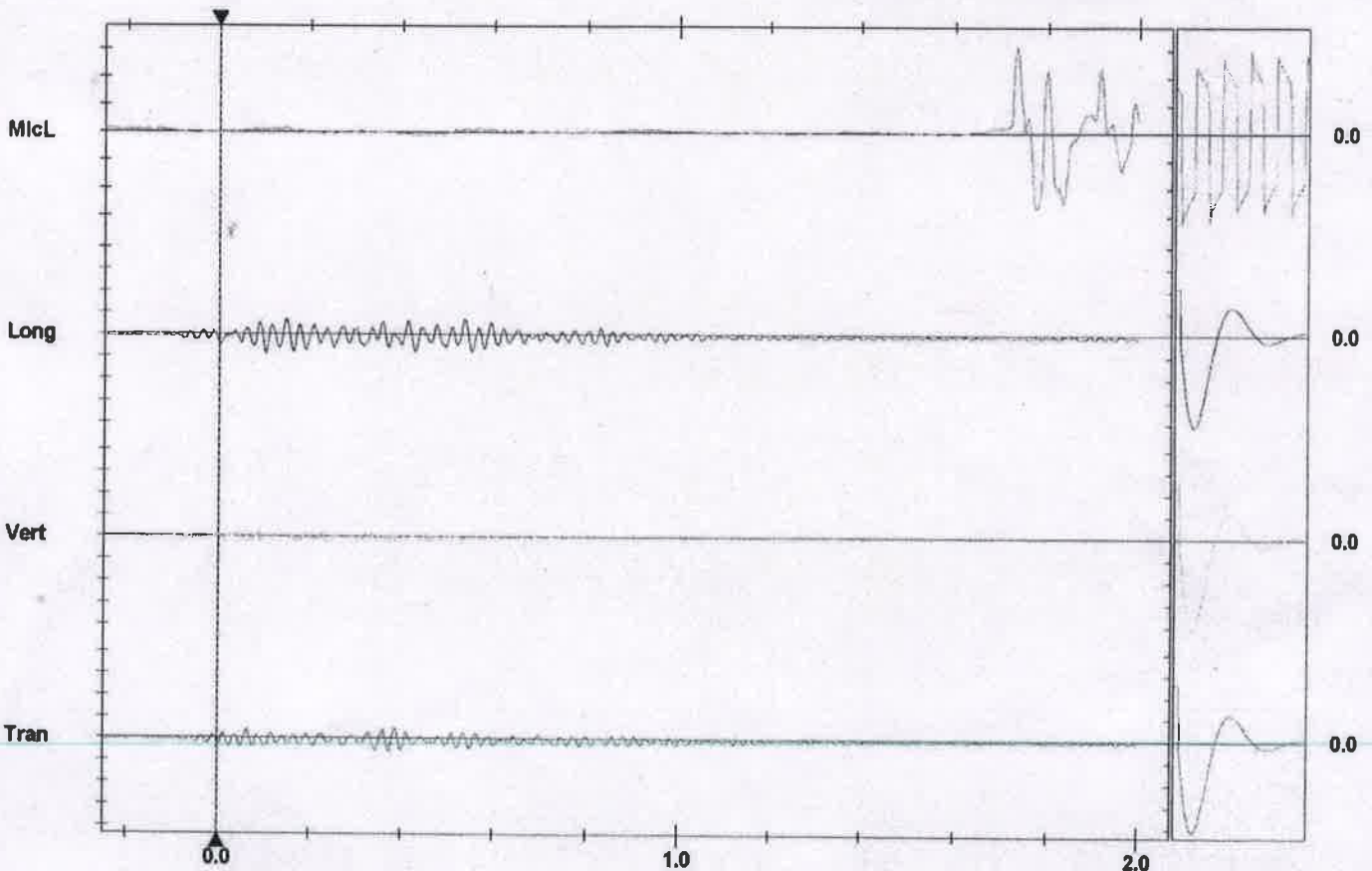
Microphone Linear Weighting
PSPL 117.9 dB(L) at 1.733 sec
ZC Freq 3.4 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1066 mv)

	Tran	Vert	Long	
PPV	1.151	0.544	1.734	mm/s
PPV	52.22	45.71	55.78	dB
ZC Freq	34	93	34	Hz
Time (Rel. to Trig)	0.375	0.386	0.102	sec
Peak Acceleration	0.030	0.031	0.043	g
Peak Displacement	0.014	0.007	0.017	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.7	7.5	Hz
Overswing Ratio	3.3	3.4	3.2	

Peak Vector Sum 1.911 mm/s at 0.103 sec



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



AB

Date/Time Vert at 14:53:10 April 26, 2018
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

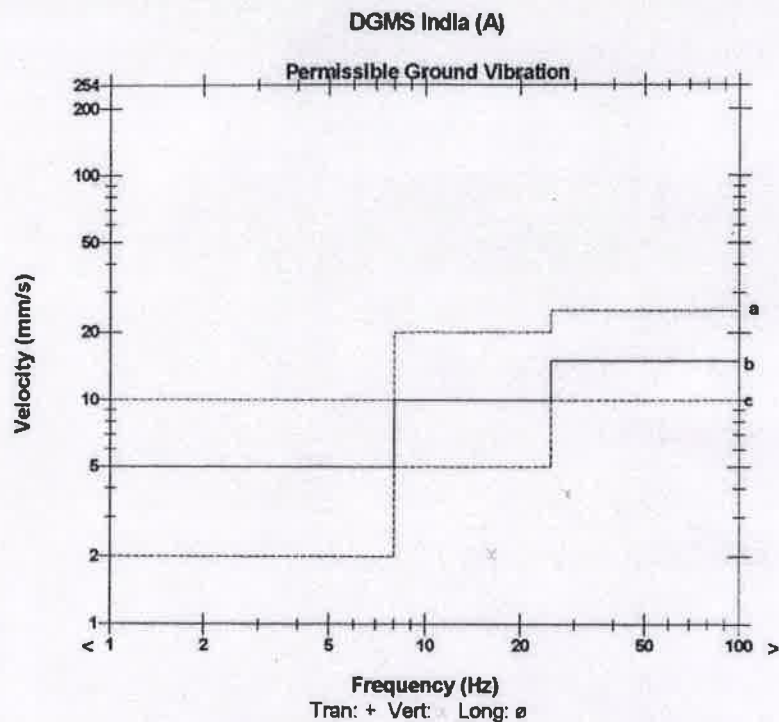
Serial Number UM12333 V 10-87 Micromat ISEE
Battery Level 3.8 Volts
Unit Calibration October 28, 2017 by UES New Delhi
File Name TEMP.EVT

Notes
Location: 260MRL(SW),BLOCK3
Client: SCL RAIPUR
User Name: SHREE CEMENT LTD
General: LIMESTONE MINES

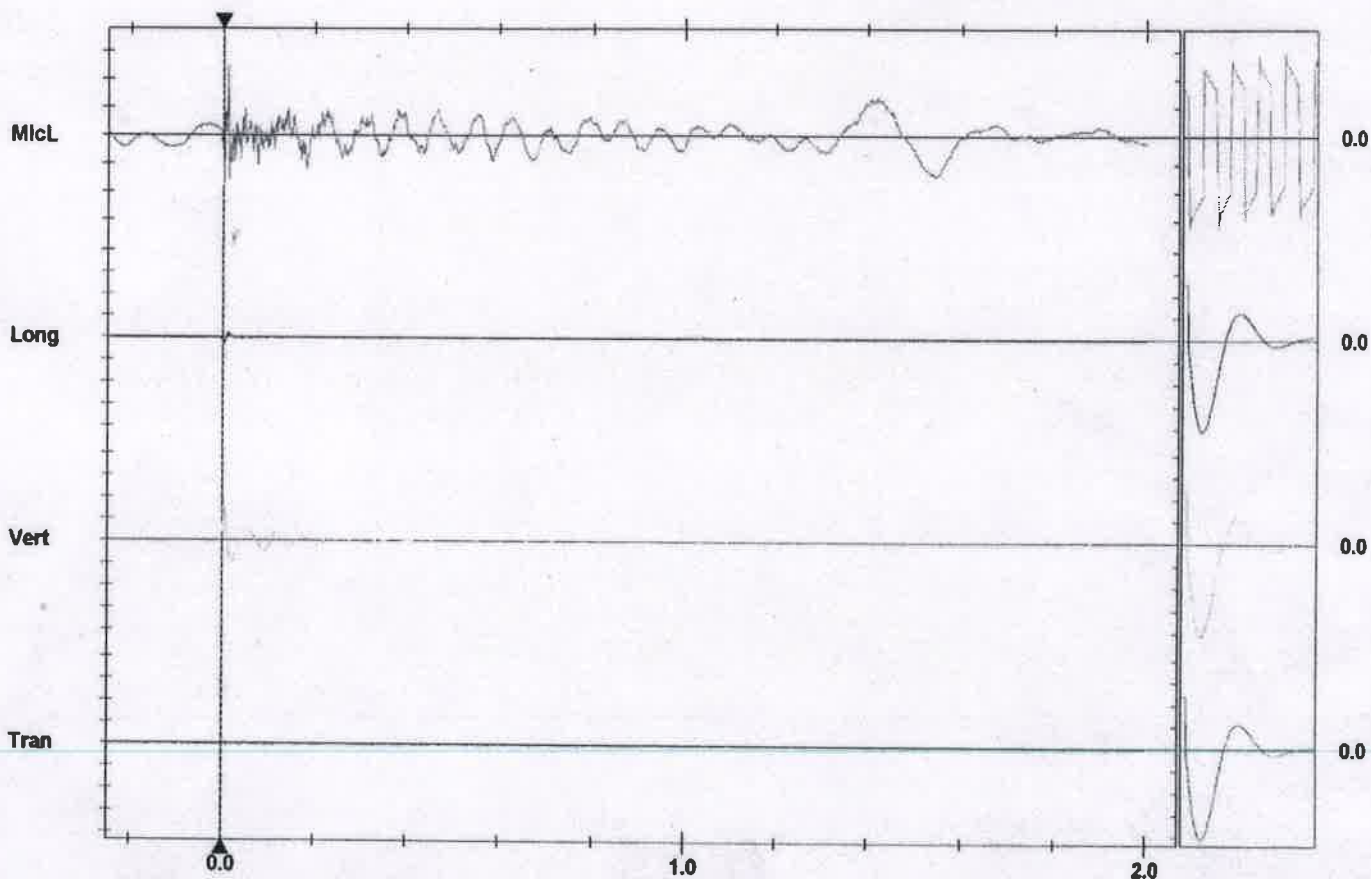
Microphone Linear Weighting
PSPL 101.9 dB(L) at 0.010 sec
ZC Freq 68 Hz
Channel Test Passed (Freq = 19.7 Hz Amp = 1215 mv)

	Tran	Vert	Long	
PPV	0.126	3.902	0.615	mm/s
PPV	33.01	62.82	46.77	dB
ZC Freq	2.0	28	1.9	Hz
Time (Rel. to Trig)	0.000	0.004	0.003	sec
Peak Acceleration	0.013	0.123	0.036	g
Peak Displacement	0.016	0.019	0.009	mm
Sensor Check	Passed	Passed	Passed	
Frequency	7.5	7.7	7.5	Hz
Overswing Ratio	3.6	3.5	3.3	

Peak Vector Sum 3.939 mm/s at 0.004 sec



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



Time Scale: 0.00 sec/div Amplitude Scale: 0.000 mm/s/div Mic: 1.000 mm/s

Sensor Check

CB

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

कमांक 2677/तीन-1 / डीजीपीएस / 2018

बलौदाबाजार दिनांक 18/07/2018

प्रति,

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

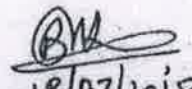
विषय:- Submission of DGPS Survey Report and Geo-Referenecing cadastral maps as IBM Circular no. 2/2010 for Mining Lease area of M/s Shree Cement Ltd namely Semaradih and Bharuwadhi Limestone Mine (Lease Area 531.126 Hac)

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

—0—

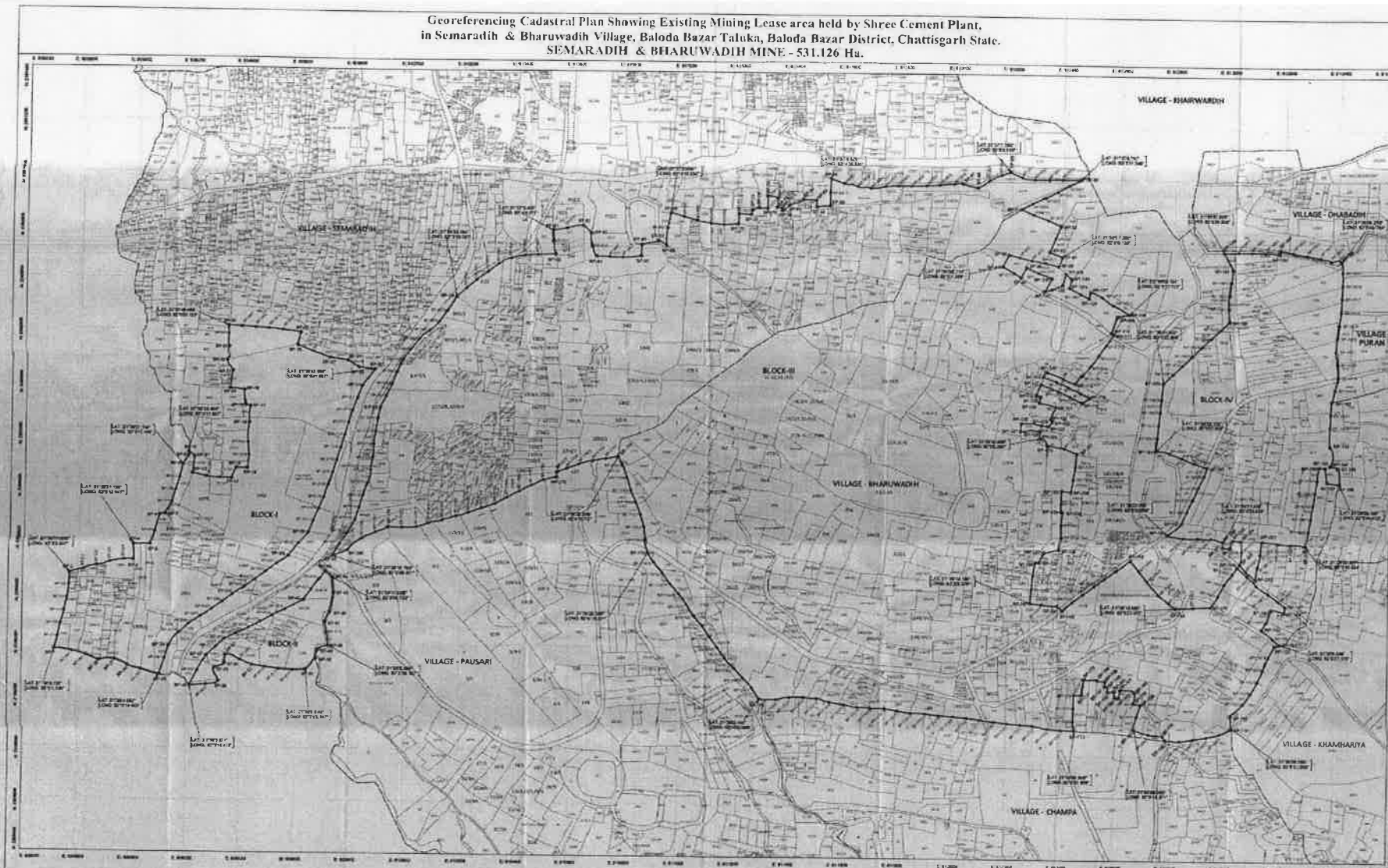
उपरोक्त विषयान्तर्गत संदर्भित पत्र के तारतम्य मे लेख है कि आपको ग्राम भरुवाडीह सेमराडीह के रकबा 531.126 हेक्टर क्षेत्र मे दिनांक 11.1.2011 से 10.1.2061 तक स्वीकृत चूनापत्थर खनिपट्टा क्षेत्र का डीजीपीएस सर्वे कराये जाने उपरान्त प्रस्तुत GeoReferenecing cadastral maps को सत्यापित कर एक प्रति आपको प्रदाय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

संलग्न:-उपरोक्तानुसार


18/07/2018
उप संचालक (खनिज प्रशासन)
जिला बलौदाबाजार-भाटापारा
छ.ग.



**Georeferencing Cadastral Plan Showing Existing Mining Lease area held by Shree Cement Plant,
in Semaradih & Bharuwadih Village, Baloda Bazar Taluka, Baloda Bazar District, Chattisgarh State.
SEMARADIH & BHARUWADIH MINE - 531.126 Ha.**



Scale 1:50,000

LOCATION MAP

Chhattisgarh State

Block Bazar District

Baloda Bazar District

LEGEND

- Mining Lease Boundary as per DGPS Survey
- DGPB Boundary Filter
- By Ho Boundary
- Road / Cart Track
- Water / River
- Village Boundary

Block	Area (Ha)	Area (Ac)
Block-I	120.00	298.00
Block-II	120.00	298.00
Block-III	120.00	298.00
Block-IV	120.00	298.00
Total	480.00	1192.00

SHREE CEMENT PLANT
(A Unit of Shree Cement Limited)
Bhilai (Bhilai), India
Baloda Bazar District - Baloda Bazar Taluka

CADASTRAL PLAN
SEMARADIH & BHARUWADIH MINE - 531.126 Ha.

SOULAM PUNRI MAHALAKSHI PVT. LTD.
Survey & Mapping Division
Bhilai (Bhilai), India

DATE: 10/01/2023

BY:
Surveyor

BY:
Officer

Photographs of Rain water Harvesting Ponds.



Rain Water Harvesting Pond Near New CCR of 1 Lac. KI Capacity.



Rain Water Harvesting Pond Near Reclaiimer of 1 Lac KL Capacity.

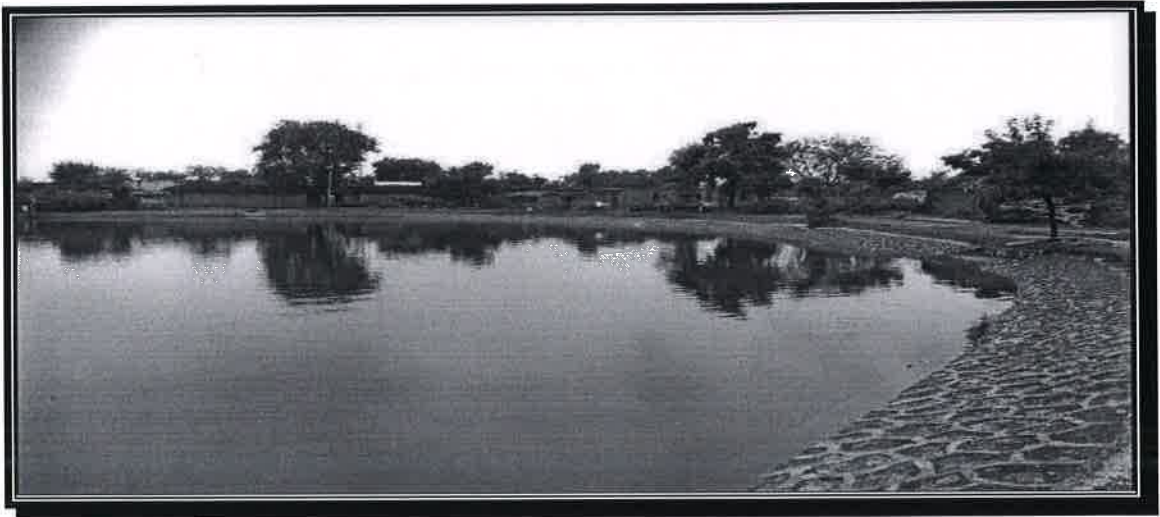


Rain Water Harvesting Pond in Mines of 2.5 Lac KI capacity

Handwritten signature or mark.



Rain Water Harvesting Pit in Mines of 2.5 Lac KI capacity



Pond bund development at Village- Karhi



Pond cleaning at Khapradih

AB



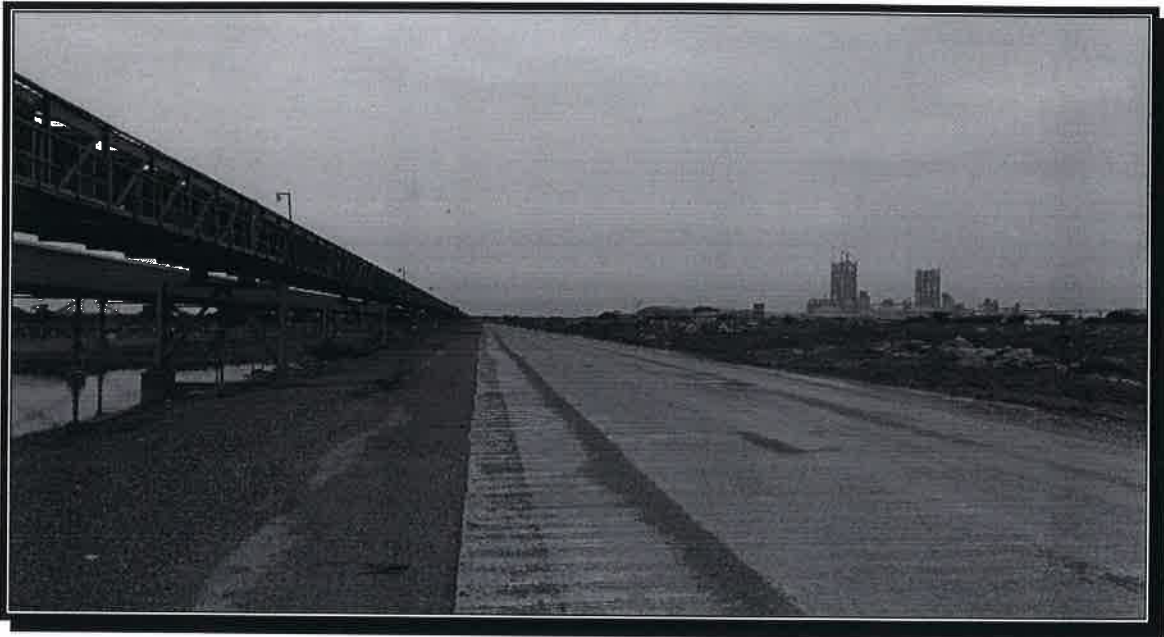
Pond deeping at Chandhi village

1
CB

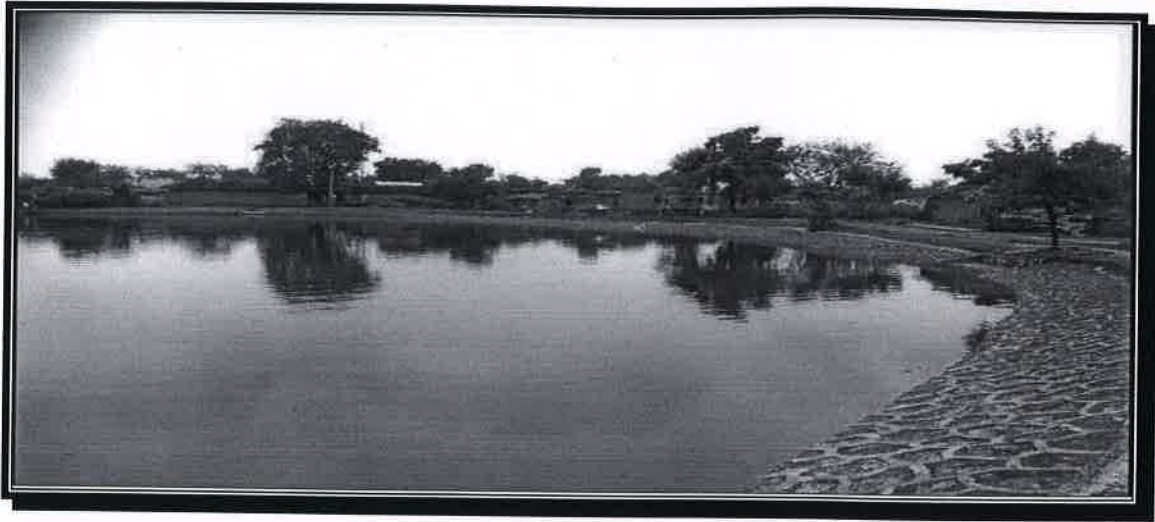
Annexure-9
Shree Raipur Cement Plant
(A unit of Shree Cement Ltd)
Noise Monitoring Report

Sr. No	Location	Apr-18		May-18		Jun-18		Jul-18		Aug-18		Sep-18	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
1	AAQMS-1 (Near Bharuadih) (SE)	55.14	46.96	55.4	50.7	45.3	38.7	53.1	47.0	56.3	48.1	52.0	46.6
2	AAQMS-2 (Near Semaradih) (NE)	48.06	41.8	53.2	45.2	48.7	43.0	54.5	47.1	49.4	43.0	52.4	47.0
3	AAQMS-3 (Near RMS) (SE)	46.74	41.1	51.2	44.2	48.0	41.6	56.3	50.7	53.9	45.9	51.3	45.9
4	AAQMS-4 (Near Kharpradih) (SW)	57.52	51.04	55.8	49.7	52.7	46.6	56.0	47.6	56.5	49.4	52.8	47.4
5	Near Store office	70.3	63.9	64.2	59.7	60.9	54.3	66.1	60.0	64.3	58.2	64.0	58.6
6	Near Raw Mill	72.96	68.24	73.1	66.3	72.2	64.8	70.5	63.4	72.7	66.1	67.1	61.8
7	kiln area (Infront of Mechanical Office)	72.6	66.94	72.5	66.0	73.3	66.3	71.1	62.8	71.6	66.5	70.1	64.7
8	Near Cooler Stack	70.54	65.32	69.3	64.7	71.8	64.6	69.6	63.1	69.6	63.5	70.4	65.0
9	Near Fly Ash Silo	68.84	64.32	68.8	63.2	70.1	63.0	69.7	62.8	69.5	64.3	67.8	62.4
10	Near Truck Loading area (Packing plant)	65.02	61.96	69.8	62.9	68.6	61.8	69.1	62.2	69.4	62.3	66.0	60.6
11	Near Turbine (GPP Plant)	73.28	67.32	72.4	66.2	71.9	65.8	72.6	64.9	71.9	65.4	69.6	64.2
12	Near Lime stone Stacker	67.7	61.36	70.6	63.8	62.8	54.6	71.6	63.0	69.2	61.3	67.1	61.8
13	In front of CCR Building	66.7	61.32	63.6	56.3	57.0	51.1	68.6	60.7	65.3	57.4	62.1	56.7
14	Near Main Gate	65	57.36	60.62	54.38	60.4	53.7	70.0	61.1	67.0	58.4	63.2	58.0
15	Near Truck Parking (Logistic Office)	66.08	60.5	64.5	57.4	61.2	51.9	71.9	65.4	67.7	59.7	69.5	64.1
16	Near Mine Work shop	66.68	60.12	64.2	56.7	60.8	53.8	72.2	63.7	65.2	59.5	67.6	62.2
17	Near Crusher Area (Mines)	68.86	62.5	66.5	61.1	69.0	54.8	71.7	62.3	68.5	61.8	68.9	63.5
18	Near Open Cast mines	68.44	62.46	67.0	61.3	63.2	54.6	69.6	62.6	68.5	60.1	68.7	63.3
19	DG Set 1(Near Kiln area)	72.3	65.0	73.2	64.8	74.8	68.4	71.5	60.2	73.6	63.3	69.9	64.7
20	DG Set 2 (Near ACC Building)	74.5	67.2	73.9	65.9	73.3	65.6	71.3	61.6	72.3	66.0	71.2	66.0

Photographs of Concreted Mines Road.



AS



Pond bund development at Village- Karhi



Pond cleaning at Khapradih



Pond deeping at Chandi village

[Handwritten signature]

Avnessh chauhan

From: Avnessh chauhan <chauhanak@shreecementltd.com>
Sent: 08 May 2018 18:16
To: 'apccfcentral-ngp-mef@gov.in'; 'cpcb.bhopal@gmail.com'
(cpcb.bhopal@gmail.com); 'hocecb@gmail.com' (hocecb@gmail.com)
Cc: R Bhargava (BhargavaR@shreecementltd.com); 'R K Vijay'
(vijayrk@shreecementltd.com); 'Anil Jain' (environment@shreecementltd.com)
Subject: Six Monthly MoEF&CC Compliance Report- Mine Expansion (period-October 17-
March 18)- by Shree Raipur Cement Plant - Balodabaaar- Bhatapara (Chhattisgarh)
Attachments: Half yearly EC Compliance Report (Oct-17 to Mar-18)-Mine.pdf

Sirs,

Please find enclosed herewith MoEF & CC Six Monthly Compliance Report of Mine Expansion- period from October-2017 to March-2018. As per given Environment Clearance to us vide letter No.- F. No J-11015/159/2014-IA.II(M) dated 30.03.2017

Hard copy of this MoEF & CC Six Monthly Compliance report being send to all thru courier.

Hope your will find this is in order.

Thanks & Regards

Avneesh Kumar Chauhan
Manager- Environment Dept.
Shree Raipur Cement Plant
(A unit of Shree Cement Ltd.)
Village- khaparadih, Tehsil – Simga
Dist.- Baloda Bazar- Bhatapara (C.G.)
Mobile no - 7024260999

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✉ Email:- dfo_balodabazar@rediffmail.com ☎ 07727-223526



क्रमांक / व.त.अ. / खनिज / 3078

बलौदाबाजार, दिनांक 06/09/2018

प्रति,

✓ संयंत्र प्रमुख
श्री रायपुर सीमेंट प्लांट
(A unit of Shree Cement Limited)
ग्राम- खपराडीह, तह. सिमगा,
जिला- बलौदाबाजार-भाटापारा (छ.ग.)

विषय :- To issue letter regarding that there is no significant impact predict in surrounding Reserve Forest due to project establishment near Village Khapradih, Tehsil- Simga in District- Baloda Bazar-Bhatapara (Chhattisgarh) by Shree raipur Cement Plant (A unit of Shree Cement Limited)

संदर्भ :- आपका पत्र क्रमांक / SRCP/BB/2017-18/59 दिनांक 07.07.2017

— 00 —

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में यह प्रमाणित किया जाता है कि ग्राम खपराडीह में संचालित श्री रायपुर सीमेंट प्लांट (A unit of Shree Cement Limited) एवं ग्राम भरुवाडीह-सेमराडीह में श्री लाईम स्टोन माईन के संचालित गतिविधियों से संयंत्र एवं माईन्स के आस-पास स्थित आरक्षित वन क्षेत्र एवं वन्य जीव-जन्तुओं पर किसी प्रकार का कोई दुष्प्रभाव पड़ने की संभावना नहीं है।

✓ वनमण्डलाधिकारी
बलौदाबाजार वनमण्डल, बलौदाबाजार
बलौदाबाजार, दिनांक 06/09/2018

पृ० क्रमांक / व.त.अ. / खनिज / 3580
प्रतिलिपि :-

उप वनमण्डलाधिकारी बलौदाबाजार की ओर उनके पत्र क्रमांक / 1088 दिनांक 31-8-2018 के संदर्भ में सूचनार्थ अग्रेषित।

✓ वनमण्डलाधिकारी
बलौदाबाजार वनमण्डल, बलौदाबाजार

Annexure-14
Shree Raipur Cement Plant
(A unit of Shree Cement Limited), Khapradih, Distt- Balodabazar
CSR Work Done (April 2018 to September 2018)

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	
	A1A	Arranging health camps and provisions of medicines and other facilities including financial assistance for arranging health camps	16,388
	A3A	Arrangement of Surgical bed, surgical instruments, weight machines, glucometer, dustbins at Village- Khapradih	39,111
	A8A	Arranging supply of drinking water through installation of water tanks and water huts and construction/ repairing of existing water systems	7,090
	A	TOTAL EXPENDITURE (SUB-HEAD- A)-CSR001	62,589
B	BA	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)	
	B3A	Scholarship and financial support to needy and meritorious students for undertaking/ continuing technical and professional courses under Shree Shiksha Protsahan Yojna.	36,000
	B4A	Celebration of Republic day/ Independence Day 2018	38,000
	B5A	Ceiling fans to schools at nearby villages	32,400
	B7A	School Bags for students of nearby schools	1,65,000
	B8A	Supply of Bench-Desk, Office table, dari, wall clock etc to schools at nearby Villages.	2,63,751
	A	TOTAL EXPENDITURE (SUB-HEAD- B)-CSR002 & 007	5,35,151
C	CA	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	
	C8A	Construction of Vrudhashram (old age home) at Balodabazar	2,06,307
	A	TOTAL EXPENDITURE (SUB-HEAD - C)-CSR003	2,06,307
D	DA	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	
	D1A	Expenses on purchase of saplings/ plants for distribution to villagers/ nearby localities / schools for plantation with tree guards and labour expenses.	8,78,254
	A	TOTAL EXPENDITURE (SUB-HEAD - D)-CSR006	8,78,254
E	EA	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:	
	E8A	Other Expenses on promotion of Art and Culture by associating with various agencies by sponsorship, support, contribution, etc.	93,000
	A	TOTAL EXPENDITURE (SUB-HEAD - E)-CSR013	93,000
F	FA	Training to promote rural sports, nationally recognized sports, Paralympic sports and Olympic sports	
	A	TOTAL EXPENDITURE (SUB-HEAD - F)-CSR012	-
G	GA	Rural development projects	
	G1A	Construction of community halls and muktidhams at nearby villages	1,74,828
	G2A	Construction and leveling of CC/Murum roads of nearby villages	4,70,419
	G3A	Construction of Mangal Bhawan	2,17,025
	G4A	Construction of retaining boundary of pond ladder, pond cleaning	54,000
	G5A	Construction of various structures like boundary walls, school boundary, toilets, stay rooms, street lights etc. in nearby villages	85,791
	G6A	Construction of Waiting Sheds	4,73,155
	G8B	Borewell digging & casing on pond & intake well	62,911
	A	TOTAL EXPENDITURE (SUB-HEAD - G)-CSR008	15,38,129
H	HA	Overheads related to CSR activities (maximum upto 5% of total CSR expenses)	
	H1A	Salaries paid to employees engaged in CSR work	27,02,206
		TOTAL EXPENDITURE (SUB-HEAD - H)-CSR010	27,02,206
		Total Amount (Rs.)	60,15,635

Expenditure incurred on the mines environment protection measures - April 2018-Sept 18		
SN	Work	Amount (Lakh)
1	Plantation	38.5
2	800mHDP pipe + 3nos water tank	6.5
3	Water sprinkling	9.18
4	Automatic water level recorder	3
5	Vacuum Sweeping m/c	10.35
6	Env. Monitoring	2.87
7	Bag filter maintenance	35.25
8	water used in Wet drilling	7.5
Total		113.15

AB

SRCP/BB/2017-18/10

Date:-10/04/2017

श्रीमान् सरपंच महोदय,
ग्राम पंचायत-भरुवाडीह
तहसील-बलौदा बाजार
जिला-बलौदाबाजार-भाटापारा (छत्तीसगढ़)

विषय : श्री सीमेन्ट लिमिटेड चूना पत्थर खदान की पर्यावरण स्वीकृति बाबत।

महोदय,

मेसर्स श्री सीमेन्ट लिमिटेड के चूना पत्थर खदान जो कि ग्राम-सेमहराडीह एवं भरुवाडीह, तहसील-बलौदाबाजार, जिला-बलौदाबाजार-भाटापारा, छत्तीसगढ़ में स्थित हैं, की क्षमता विस्तार 4.8 मिलियन टन प्रतिवर्ष से 8.6 मिलियन टन प्रतिवर्ष की पर्यावरण स्वीकृति भारत सरकार के पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली द्वारा पर्यावरणीय स्वीकृति पत्र क्रमांक F. No. J-11015/159/2014- IA. II (M) दिनांक 30 मार्च 2017 को दी गई है तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की वेब साइट www.environmentclearance.nic.in पर दिनांक 06. अप्रैल 2017 को उपलब्ध कराई गई है।

पर्यावरण स्वीकृति पत्र की प्रतिलिपि छत्तीसगढ़ पर्यावरण संरक्षण मण्डल, रायपुर पर उपलब्ध है तथा श्री सीमेन्ट की वेब साइट "www.shreecementltd.in" पर भी उपलब्ध हैं।

जिसकी एक प्रति आपकी सूचनार्थ संलग्न की जा रही हैं।

धन्यवाद सहित,

वास्ते: श्री सीमेन्ट लिमिटेड (श्री रायपुर सीमेंट प्लांट)

राजेश कुमार विजय
सहायक-उपाध्यक्ष (ऑपरेशन)

संलग्न- उपरोक्तानुसार

Handwritten signature
11/04/17
सुरप
अ.सं.मन्त्रालय, छ.सं.सं.

SRCP/BB/2017-18/09

Date:-10/04/2017

श्रीमान् सरपंच महोदय,
ग्राम पंचायत-सेमहराडीह
तहसील-बलौदाबाजार
जिला-बलौदाबाजार-भाटापारा (छत्तीसगढ़)

विषय: श्री सीमेन्ट लिमिटेड चूना पत्थर खदान की पर्यावरण स्वीकृति बाबत।

महोदय,

मेसर्स श्री सीमेन्ट लिमिटेड के चूना पत्थर खदान जो कि ग्राम-सेमहराडीह एवं भरुवाडीह, तहसील-बलौदाबाजार, जिला-बलौदाबाजार-भाटापारा, छत्तीसगढ़ में स्थित हैं, की क्षमता विस्तार 4.8 मिलियन टन प्रतिवर्ष से 8.6 मिलियन टन प्रतिवर्ष की पर्यावरण स्वीकृति भारत सरकार के पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली द्वारा पर्यावरणीय स्वीकृति पत्र क्रमांक F. No. J-11015/159/2014- IA. II (M) दिनांक 30 मार्च 2017 को दी गई है तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की वेब साइट www.environmentclearance.nic.in पर दिनांक 06. अप्रैल 2017 को उपलब्ध कराई गई है।

पर्यावरण स्वीकृति पत्र की प्रतिलिपि छत्तीसगढ़ पर्यावरण संरक्षण मण्डल, रायपुर पर उपलब्ध है तथा श्री सीमेन्ट की वेब साइट "www.shreecementltd.in" पर भी उपलब्ध हैं।

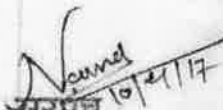
जिसकी एक प्रति आपकी सूचनार्थ संलग्न की जा रही हैं।

धन्यवाद सहित,

वास्ते: श्री सीमेन्ट लिमिटेड (श्री रायपुर सीमेंट प्लांट)

राजेश कुमार विजय
सहायक-उपाध्यक्ष (ऑपरेशन)

संलग्न- उपरोक्तानुसार


सरपंच
ग्राम पंचायत, सेमहराडीह
जनपद पंचायत, बलौदाबाजार
जि.बलौदाबाजार-भाटापारा (छ.ग.)

F. No. J-11015/159/2014-IA.II (M)
Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division

Speed Post

3rd Floor, Vayu Wing,
Indira Paryavaran Bhawan,
Jorbagh Road, Aliganj,
New Delhi-110 003

Dated: 30th March, 2017

To,

M/s Shree Cement Ltd.
Post Box No. 33, Bangur Nagar,
Andheri Deori, Beawar,
District Ajmer, Rajasthan-305901
Fax: 01462-228117
E-mail : bhargavr@shreecementltd.com

Sub.: Limestone Mine with enhancement of production capacity from 4.8 Million TPA to 8.6 Million TPA by M/s Shree Cement Ltd., located near village Semaradih & Bharuwadhih, Tehsil Balodabazar, District Chhattisgarh (MLA: 531.126ha)- Environmental Clearance regarding.

Reference: Online Application IA/CG/MIN/23180/2014

Sir,

This has with reference to the online application for above mentioned proposal of Environmental Clearance for Limestone Mine with enhancement of production capacity from 4.8 Million TPA to 8.6 Million TPA. The mine is located at Villages - Semaradih & Bharuwadhih, Tehsil- Balodabazar, District- Balodabazar - Bhatapara, Chhattisgarh in the mine lease area of 531.126ha. Study area falls between 21°34' 36" N to 21°37' 06" N and 82°03'12" E to 82°06' 12" E on the Survey of India Toposheet No. 64 K/2. The Project is located in Seismic zone-II.

2. The ToR was issued by the Ministry vide letter of even no. dated 12th August, 2014. Further, it was amended vide letter of even no. dated 28.09.2015. The EIA/EMP report has been submitted online to the Ministry for seeking Environmental Clearance. The proposal of EC was appraised before the EAC in its meeting held during August 22-23, 2016 wherein the Committee recommended the Proposal for Environmental Clearance for expansion of production from 4.8 Million TPA to 8.6 Million TPA over the mine lease area of 531.126 ha. The proposal was examined and accordingly the Ministry vide letter of even no. dated 25.10.2016 requested the project proponent to submit the information w.r.t. modified mining plan and intersecting of ground water table. In this context, the project proponent vide letter dated 28.10.2016 & 03.02.2017 has submitted the requisite information.

3. The Earlier Environmental Clearance was accorded to the project for production capacity 4.8 million TPA vide letter no. J-11011/235/2008- IA II (I) dated Environmental Clearance to M/s Shree Cement Ltd.

7th March 2011 and amended dated 1st June, 2011 and 4th February, 2015. Compliance Report of the existing EC has been certified by Regional Office (West Central Zone), Nagpur, vide letter no. 5-11/2011 (Env)/1177, dated 05.10.2015. The compliance report was discussed in the meeting and it was found that the compliance is satisfactory.

4. Total mine lease area is 531.126ha. Out of which 452.404ha is agriculture land and 78.722ha is waste land. This is an existing Limestone mining project with proposed expansion in Limestone production capacity from 4.8 million TPA to 8.6 million TPA. The Modified Mining Plan with Progressive Mine Closure Plan for 531.126 ha area has been approved by Regional controller of Mines, Indian Bureau of Mines (IBM), vide their letter no. Balodabazar/ Chu P/ MP/ Nagpur/ 2015/29 - Raipur dated 13.07.2016. IBM vide letter dated 18.11.2016 mentioned that there is no material technical difference between the draft modified mining plan *vis-a-vis* approved modified mining plan. The Mining is being carried out by fully mechanized opencast method by a combination of shovel and dumper with drilling & blasting. Heavy Earth Moving Machines will also be used. Limestone from Mine is being transported up to the crusher by dumpers and to cement plant via pipe belt conveyor. Life of Mine is 24 years and total minable reserves are 203.2 million tones. At the conceptual stage, out of the total mining lease area (531.126ha), total mined-out area will be 387.1ha, out of which 277.1ha area will be converted in to water reservoir and remaining 110ha area will be backfilled. Green belt/ plantation will be done on 176 ha area. Out of total Green belt area (176ha), 110ha area comes under backfilled area, 21 ha area of waste dump and on 45ha area comes under afforestation on barrier zone along lease boundary.

5. The Mining will intersect ground water table. The Central Ground Water Authority (CGWA), vide letter no.21-4(36)/NCCR/CGWA/2008-569, dated: 08.04.2015 & CGWA vide letter no. 21-4(36)/NCCR/CGWA/2008-1270 dated: 06.08.2015 has given the approval. Further, the CGWA, vide letter dated 01.02.2017 has amended the CGWA approval and inter-alia mentioned that "The firm may continue to abstract 3000 m³/day (not exceeding 10,95,000 m³/year) from ground water and dewatering of mine water due to intersection of ground water table through existing fifteen (15) borewells only".

6. The mining lease over an area of 531.126 ha was granted in favour of M/s Shree Cement Limited, vide State Government order no. F-2/32/2003/12 (3), dated 25.03.2008. The mining lease period has been extended upto 50 years from 11.01.2011 to 10.01.2061 as per Section 8A (5) of M.M.D.R. Amendment Ordinance 2015. The mining operation commenced from 12th March, 2015 as Consent to operate was obtained. Total Mining lease area is 531.126 ha, out of which 78.722 ha is Government land and rest 452.404 ha area is Private land. The mining lease area falls in two Villages Semaradih & Bharuwadih. A residential colony is proposed in non-mineral zone of mining lease area. Total area of colony will be 22 Ha out of which 33% area will be developed as green belt. Total residential units will be 751 numbers in 22 ha with built-up area of 111011 sq meter. All required facilities such as school, temple, shopping complex, medical health center, club house, sewage treatment and safe drinking water availability will be provided. Total water requirement for colony will be 415 and domestic waste water will be treated in STP of capacity 300 KLD.

7. Project Proponent reported that there is no National Parks/Wildlife Sanctuaries/Biosphere Reserves/Wildlife Corridors/Tiger/Elephant Reserves are located within the 10 km study area of the mine lease. Application for Authentication of Location map has been submitted to Forest Department vide letter no. SCL/Raipur/EC/2015-16 dated 26.05.2015. There is one Reserved Forest (Dhabadih Reserved Forest at ~ 0.25 km in NE direction) within 10 km radius study area. State Forest Dept. vide letter no. S. No./SDO/Ra/35 dated: 07.12.2010 has confirmed that no forest land falls within the lease area.

8. The baseline data was collected for the period Summer Season (March to May 2015). The analytical results of samples collected for all parameters were found within permissible limits. Public Hearing was conducted on 22nd January, 2016 at Sarvajani Rangmanch in Village Khapradih, District - Balodabazar - Bhatapara, Chhattisgarh. The Public Hearing was presided over by Shri M. Kalyani, Additional District Collector, Balodabazar - Bhatapara. The issues raised during Public Hearing were also considered and discussed during the meeting, which inter-alia, included impact of blasting, benefit of expansion project and providing assistance for employment. The action plan with budgetary allocation was discussed by the EAC on issue raised during Public hearing.

9. Total cost of the Project is Rs. 74.70 crores. The Capital Cost for environmental protection measures is Rs. 1.00 crore/- & Recurring cost is Rs. 0.30 crore and Expenditure proposed towards CSR activities is Rs. 187.3 Lacs. Project Proponent reported that there is no Litigation/court case is pending against this project.

10. The Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto and hereby accords the environmental clearance under the provisions thereof to the above mentioned proposal of **M/s Shree Cement Limited for enhancement of production capacity from 4.8 Million TPA to 8.6 Million TPA, located near village Semaradih & Bharuwadhih, Tehsil-Balodabazar, District-Balodabazar Bhatapara, Chhattisgarh in MLA of 531.126ha**, subject to compliance of the followings terms and conditions and environmental safeguards mentioned below:-

A. Specific conditions

- 1) Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Chhattisgarh, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- 2) **This Environmental clearance is granted subject to necessary permissions for land use to be obtained from the State Govt. of Chhattisgarh before commencing the activities.**
- 3) **The Proponent shall ensure that the canals should not be diverted. The 50m buffer zone on either side of stream/canal in lease area and adjoining to the mine lease area shall be maintained.**
- 4) No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.

- 5) The Environmental Clearance is subject to obtaining requisite NBWL Clearance, if any, from the Standing Committee of National Board for Wildlife for Mining project.
- 6) The Project Proponent shall obtain Consent to Operate from the State Pollution Control Board, Chhattisgarh and effectively implement all the conditions stipulated therein.
- 7) The Proponent shall install online Ambient Air Quality Monitoring System and there should be system for display of digital AAQ data within 03 months at least at three locations as per wind direction. Online provisions of pH and turbidity meters at discharge points of STP and ETP and also at water storage ponds in the mining area may be made. Project Proponent should display the result digitally in front of the main Gate of the mine site.
- 8) The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry, CGWA and State Pollution Control Board.
- 9) Project Proponent should plant only native species for green belt development. Plantation of local species should be carried out during the Monsoon Season. The project should also implement community Development and Welfare programme in the area of Health, Education and Environmental Protection.
- 10) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities.

B. General conditions

- 1). A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest and Climate Change 5 years in advance of final mine closure for approval.
- 2). No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest and Climate Change.
- 3). No change in the calendar plan including excavation, quantum of mineral and waste should be made.
- 4). The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) for the project.

- 5). Mining shall be carried out as per the provisions outlined in mining plan approved by Indian Bureau of Mines (IBM) as well as by abiding to the guidelines of Directorate General Mines Safety (DGMS).
- 6). The project proponent shall carry out scientific investigation in respect of "Blast Induced ground vibration, fly rock & air blast". Based on this study, Project Proponent should design an effective blast design to curb blast induced menace and public annoyance. The Report shall be submitted to the Regional Office of the Ministry.
- 7). The lands which are not owned by Proponent, mining will be carried out only after obtaining the consents from all the concerned land owners as per the provisions of the Mineral Concession Rules, 1960 and MMDR Act, 1957.
- 8). Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment, Forest and Climate Change its Regional Office.
- 9). The critical parameters as per the Notification 2009 such as PM_{10} , $PM_{2.5}$, NO_x , and SO_x etc. in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS))]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
- 10). Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM_{10} and $PM_{2.5}$ such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.
- 11). Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. The monitoring shall be carried out four times in a year pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected 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.
- 12). Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The

natural water bodies and or streams which are flowing in an 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 Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table.

- 13). Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.
- 14). 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 sound, dust and accidents could be mitigated. The project proponent 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.
- 15). 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 light/night hours.
- 16). Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt-conveyors facilities the system should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.
- 17). Sufficient number of Gullies to be provided for better management of water. Regular Monitoring of pH shall be included in the monitoring plan and report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.
- 18). There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.
- 19). The Project Proponent has to take care of gullies formed on slopes. Dump mass should be consolidated with proper filling/leveling with the help of

dozer/compactors.

- 20). The reclamation at waste dump sites shall be ecologically sustainable. Scientific reclamation shall be followed. The local species may be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. The aspect of the dump is also a factor which regulates some climatic parameters and allows only species adopted to that micro climate.
- 21). The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 8m and width 20 m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.
- 22). Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.
- 23). Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department and as per CPCB Guidelines. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.
- 24). Project Proponent shall follow the mitigation measures provided in 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", if any, applicable to the project.

- 25). The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent 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 and plantation of such trees should be promoted.
- 26). The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.
- 27). At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office located at Nagpur. Implementation of such program shall be ensured accordingly in a time bound manner.
- 28). Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- 29). Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
- 30). Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.
- 31). Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- 32). A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- 33). The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office.

- 34). 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.
 - 35). The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional Office, Central Pollution Control Board and State Pollution Control Board.
 - 36). The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
 - 37). A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
 - 38). State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.
 - 39). The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at www.environmentclearance.nic.in and a copy of the same should be forwarded to the Regional Office.
11. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
 12. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 13. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Chhattisgarh and any other Court of Law relating to the subject matter.

14. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Yours faithfully,


(Surendra Kumar)
Director (S)

Copy to:

- (i) The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi-110 001.
- (ii) The Secretary, Department of Environment, Government of Chhattisgarh.
- (iii) The Secretary, Department of Mines and Geology, Government of Chhattisgarh, Chhattisgarh.
- (iv) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cumoffice complex, East Arjun Nagar, Delhi-110032
- (v) The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh.
- (vi) The Additional Principal Chief Conservator of Forests Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur.
- (vii) The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- (viii) The Member Secretary, Chhattisgarh State Pollution Control Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur, Chhattisgarh.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- (x) The Chief Wildlife Warden, Govt. of Chhattisgarh, Aranya Bhavan, Jail Road, Fafadli Chowk, Raipur - 492001.
- (xi) The District Collector, Balodabazar Bhatapara District, Chhattisgarh.
- (xii) Guard File
- (xiii) MoEFCC Website.


(Surendra Kumar)
Director (S)

BRIEFS

Fresh case against Bhushan for tweet on Lord Krishna

MUZAFFARNAGAR, Apr 6 (PTI)

LAWYER-POLITICIAN

Prashant Bhushan has been booked here for hurting religious sentiments over his "offensive" remarks against Lord Krishna.

The case was on Wednesday evening registered on the basis of a complaint by Akhil Bharat Hindu Maha Sabha President Yogendra Verma at civil lines police station, police said.

Verma alleged that religious sentiments of many people were hurt by the Swaraj Abhiyan founder's remarks against Lord Krishna. "Romeo loved just one lady, while Krishna was a legendary eve-teaser. Would Adityanath have the guts to call his vigilantes anti-Krishna squads?" Bhushan had tweeted on Sunday while criticising the 'anti-Romeo' drive in UP.

He had, however, apologised for his remarks and deleted the controversial tweets.

Cop killed on being hit by tractor

RAJAMAHENDRAVARAM, Apr 6 (PTI)

A 33-YEAR-OLD constable was killed when his bike was hit by a tractor while he was returning home from work, a police official said.

The accident took place on Thursday night near the Gokavaram police station in East Godavari district when the tractor, coming from the opposite direction, hit the motorcycle of constable Yeraa Srinivas while he was crossing the road and going

Ct may hi Expert

Cited, US Embassies around to started accepting next year's petitions from April 3. "In years, we have seen that H-1B (65,000 regular quota plus 20,000 for masters degree) hit within a couple of weeks; on account of lower application higher scrutiny this might be the Jeffries report added. It said, given the recent layoffs made by companies, it is safe to assume that application larger Indian IT would be more significantly in the low-price buckets.

THE negative on sentiment, imposed in the past has adjusted have model to the changing immigration landscape. Given the low are likely to be in the US, immigration forms will have to balance by liberalism and business need."

4 held with charas: POLICE has arrested four people, including two from Mumbai, after allegedly recovering 36 kg of cannabis from their possession in separate incidents in Samba and Jammu districts of Jammu and Kashmir.

On an information about narcotic smuggling, a surprise checkpoint was set up at Mansar Morh on the highway in Samba district and search conducted on all vehicles coming from Srinagar. Soon police intercepted a truck, which was on way from Srinagar to Delhi and recovered 23 kg charas from drivers of the truck. (PTI)

मेसर्स श्री शरीमेन्ट लिमिटेड

श्री रायपुर सीमेंट प्लांट

ग्राम- रोहतासी एवं भकवाडीह, राहसील- बलीदाबाजार
जिला- बलीदाबाजार - भाटापारा (छत्तीसगढ़)

सार्वजनिक सूचना

सर्व सामान्य को सूचित किया जाता है कि मेसर्स श्री सीमेंट लिमिटेड के मुदा प्रत्यक्ष प्रदान जो कि ग्राम- रोहतासी एवं भकवाडीह, राहसील- बलीदाबाजार, जिला- बलीदाबाजार- भाटापारा, छत्तीसगढ़ में स्थित है, की क्षमता विस्तार 4.8 मिलियन टन प्रतिवर्ष से 8.6 मिलियन टन प्रतिवर्ष की पर्यावरण स्वीकृति भारत सरकार के पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली द्वारा पर्यावरणीय स्वीकृति पत्र क्रमांक F. No. J-11015/159/2014-LA, II (M) दिनांक 30 मार्च 2017 को दी गई है तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की वेबसाइट www.environmentclearance.nic.in पर दिनांक 08 अप्रैल 2017 को उपलब्ध कराई गई है।

पर्यावरण स्वीकृति पत्र की प्रतिनिधि छत्तीसगढ़ पर्यावरण संरक्षण मण्डल, रायपुर पर उपलब्ध है तथा श्री सीमेंट की वेबसाइट "www.shreecementltd.in" पर भी उपलब्ध है।

C/PDCL

छत्तीसगढ़ स्टेट पावर डिस्ट्रीब्यूशन कम्पनी लिमिटेड

छत्तीसगढ़ स्टेट पावर डिस्ट्रीब्यूशन कम्पनी लिमिटेड

CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.

The Government of Chhattisgarh, Government of India, Government of Madhya Pradesh, Government of Odisha, Government of Uttar Pradesh, Government of Bihar, Government of Jharkhand, Government of West Bengal, Government of Assam, Government of Arunachal Pradesh, Government of Manipur, Government of Mizoram, Government of Nagaland, Government of Tripura, Government of Meghalaya, Government of Sikkim, Government of Andhra Pradesh, Government of Karnataka, Government of Kerala, Government of Tamil Nadu, Government of Pondicherry, Government of Gujarat, Government of Maharashtra, Government of Rajasthan, Government of Haryana, Government of Punjab, Government of Himachal Pradesh, Government of Jammu and Kashmir, Government of Ladakh, Government of India

PUBLIC NOTICE

Chhattisgarh State Power Distribution Company Limited had submitted petition for true-up of FY 2015-16, re-determination of ARI for 2017-18 and tariff for FY 2017-18 before the Hon'ble Chhattisgarh State Electricity Regulatory Commission. The Hon'ble Commission in exercise of powers conferred to it under section 82 of Electricity Act, 2003 determined the LT & HT tariff for FY 2015-16 as per Tariff Order dated 31-03-2017. The tariff is applicable with effect from 01-04-2017, which is shown below:-

1. LT TARIFF:

Tariff No.	Category of consumers	Units/Slab	Fixed charges (Rs./Kwh)	Energy charges (Rs./KWh)	Minimum charges irrespective of actual energy consumption
LV-1	Domestic	0-40	2.55 per unit	1.25	Single phase- Rs. 40/- p.m.
	Domestic	41-200 units	2.00 per unit	1.50	
	Domestic	201 - 500 units	1.40 per unit	2.00	
	Domestic	501 and above	1.40 per unit	2.55	Three phase- Rs. 120/- p.m.
LV-2	Non-Domestic	0-100 units	Rs. 75 per KW per month. Up to 3 KW are Rs. 125 per month above 3 KW	3.25	Fixed charges in monthly minimum charge
	Domestic	101 - 500 units	Rs. 75 per KW per month. Up to 3 KW are Rs. 125 per month above 3 KW	3.25	
	Domestic	501 and above units	Rs. 75 per KW per month. Up to 3 KW are Rs. 125 per month above 3 KW	3.25	
LV-2.1	Non-Domestic	Demand based tariff for contract demand of 15 to 75 KW	Demand charges - Rs. 20/Kwh Month or billing demand	7.50	Demand charge on contract demand is monthly maximum charge
LV-3	Agriculture	Metered supply	Rs. 80 HP/month	4.50	Fixed charge is monthly maximum charge
LV-4	Agriculture Allied Activities				
LV-4.1		Up to 100 HP or 75 KW	Rs. 130/- per HP per month or Rs. 175 per KW per month	5.70	Fixed charge is monthly maximum charge
LV-4.2		Demand based tariff for contract demand of 15 to 75 KW	Rs. 250/- per KW per month on billing demand	5.50	Demand charge on contract demand is monthly maximum charge
LV-5	LV Industry				
LV-5.1		Fixed Maximum Power Demand for grinding Machines, Presses, hand tools, agricultural, processing units, minor current, up to 15 HP	Rs. 550/- HP/month	4.00	Fixed charge is monthly maximum charge
LV-6		Water pump, Oxidant, Kerosene, Adhesive, Vises, Frictionless, and Sample pump, Little Adhesive, Adhesive Vises, Frictionless	Rs. 250/- HP/month	3.40	
LV-6.2		Other Industries	Rs. 125/- HP/month	3.00	
LV-6.2.1		Up to 25 HP	Rs. 125/- HP/month	3.00	



Member Mathur killed in an armed clash last year, in conflict

(PTI)



नई दिल्ली। विदेशी जेलों में इस समय 7 हजार 615 भारतीय नागरिक बंद हैं। इनमें सबसे ज्यादा एक हजार 801 सऊदी अरब और एक हजार 214 संयुक्त अरब अमीरात की जेलों में बंद हैं। राज्यसभा में एक सवाल के जवाब में सरकार ने ये जानकारी दी है। विदेश राज्यमंत्री वीके सिंह ने बताया कि निजता कानूनों के कड़े प्रावधानों के चलते अमेरिका, कनाडा, ऑस्ट्रेलिया और यूरोप के कई देश अपनी जेलों में बंद भारतीय नागरिकों के बारे में सूचनाएं साझा नहीं करते।

बिग बॉस के विनर ने की सुसाइड की कोशिश

नई दिल्ली। 'बिग बॉस कनड' सीजन-4 के विजेता रहे प्रथम ने



बेंगलुरु स्थित घर पर नींद की गोलियां खाकर जान देने की कोशिश की। हालत खराब होने पर उन्हें अस्पताल में भर्ती

कराया गया है। प्रथम ने सुसाइड से पहले फेसबुक पर एक लाइव वीडियो भी शेयर किया। इसमें उन्होंने बताया कि वो अपने दोस्त लोकेश से हुई लड़ाई के बाद ऐसा कदम उठाने जा रहे हैं। उन्होंने वीडियो में कहा, मैंने कभी सोचा भी नहीं था कि मैं जिंदगी में कभी सुसाइड की कोशिश करूंगा, लेकिन इसने मुझे बहुत परेशान किया।

एक-एक स्ट से पादा को खड़ा किया, हमारे लिए यह है। खास अवसर पर पीएम भाजपा अध्यक्ष अमित शाह, सिंह भाजपा कार्यालय पहुंचे। उन्होंने पंडित दीनदयाल उपाध्याय प्रतिमा पर माल्यार्पण किया। इसमें भाजपा की शानदार जीत का स्वागत किया गया। उन्होंने कहा कि यह गौरव की बात है। भारत और समाज के सभी वर्गों ने भाजपा पर भरोसा जताया है। कार्यकर्ताओं को मंत्र देते हुए पार्टी के लोकसभा और राज्यसभा सांसद आज पार्टी स्थापना पर अपने लोकसभा क्षेत्र या अलावा दूसरे लोकसभा क्षेत्र का एक दिन और एक रात बिताएं।

संसद परिसर बजा अलार्म,

एजेंसी ► नई दिल्ली

संसद परिसर में उस समय हड़कंप मच गया जब अचानक ही सुरक्षा अलार्म बजने

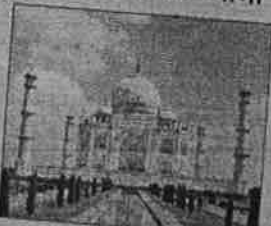
■ अज्ञात वाहन के गेट पर टकरान से बजा अलार्म

अलार्म सुन कर सांसद भी घबरा गए। दरअसल ऐसा अलार्म किसी हमले के मद्देनजर बजाता है। सूत्रों के मुताबिक गुरुवार को संसद के गेट से अचानक एक अज्ञात वाहन टकरा गया। वाहन के गेट से टकराते ही पूरे परिसर में किसी हमले के मद्देनजर बजने

दूर से ही कर पाएंगे ताज पर्यटकों द्वारा दीवार छूने से गंदी हो जाती है

एजेंसी ► आगरा

मोहब्बत की निशानी ताजमहल जिसे देखकर हर कोई उसकी चमक का कायल हो जाता है अब उस संगमरमर की खूबसूरत इमारत को पर्यटन केवल दूर से ही देख पाएंगे। सात अजुबों में शामिल ताजमहल को देखने के लिए दुनिया भर के पर्यटक भारत आते हैं। लेकिन अब ताजमहल को देखरेख करने वाले विभाग एसआई ने ताज को पर्यटकों से दूर रखने का तरीका निकाल लिया है। इसका मतलब यह



है कि अब पर्यटक केवल दूर से ही ताज का दीदार कर पाएंगे लेकिन उसे छू नहीं पाएंगे। ये सारी कयाद संगमरमरी इमारत को प्रदूषण और गंदगी से बचाने के लिए की जा रही है।

नियोग आयुर्वेदिक सेंटर हमीरपुर, हिमाचल प्रदेश, 94594-92921
94594-92922, 94594-92923, 94594-92924, www.nirogayurvedic.com

मेसर्स श्री सीमेन्ट लिमिटेड

बी रायपुर सीमेंट प्लांट
राज- सेक्टर 14 एवं भुवनाडीह, सहरील- बरौदाबाजार
जिला- बरौदाबाजार- भादवा (छत्तीसगढ़)

सार्वजनिक सूचना

हम आपका जो सुविधा किया जाता है कि मेसर्स श्री सीमेन्ट लिमिटेड के पूरा कच्चा खदान जो कि राज- सेक्टर 14 एवं भुवनाडीह, सहरील- बरौदाबाजार, जिला- बरौदाबाजार- भादवा, छत्तीसगढ़ में स्थित है, की क्षमता विस्तार 4.8 मिलियन टन प्रतिवर्ष से 8.8 मिलियन टन प्रतिवर्ष की पर्याप्तता स्वीकृति भारत सरकार के पर्यावरण, जल एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली द्वारा पर्यावरणीय स्वीकृति पर क्रमांक F. No. J-11015/159/2014-IA. II (M) दिनांक 22 मार्च 2017 को दी गई है तथा पर्यावरण, जल एवं जलवायु परिवर्तन मंत्रालय की वेबसाइट www.environmentclearance.nic.in पर दिनांक 06 अप्रैल 2017 को अपलोड कर दी गई है।

संबंधित स्वीकृति पर की प्रतिलिपि छत्तीसगढ़ पर्यावरण संरक्षण मण्डल, रायपुर पर अपलोड है तथा श्री सीमेन्ट की वेबसाइट www.shreecementltd.in पर भी अपलोड है।



करिश्मा कपूर

क्या आप जानते हैं?

हमारे बाल हस्तरोज विविध प्रकार के सुदन प्रहारों को जेलते हैं? जैसेकी



क्या इन सब समस्याओं के शिकार हैं? जैसेकि बालों का झड़ना, रुध-बेजान बाल, अत्यंत कोरद बाल यदि आप अपने बालों को इन समस्याओं से बचाना चाहते हैं तो आपको इन समस्याओं से निपटार करना होगा। सेंसा जड़ों को पोषण देकर उन्हें मजबूत बनाता है।

सम्पूर्ण भारतीय

100% जनुवैड | कैमिडन रहित | मिनरल तैयार रहित



- झड़ते बाल
- कमजोर बाल
- रुधे एवं बेजान बाल
- रुसी



जो दिवसी से ही सेंसाजुनार जार्ज, कम उम्र में ही बालों को बालों से झड़ने से निपटारे के लिए सेंसा अपनाया तो बालों का झड़ना कम हो गया। अब बालों को