



# SHREE RAIPUR CEMENT PLANT

(A UNIT OF SHREE CEMENT LIMITED)

Village : Khaparadih, Tehsil : Simga

Distt. : Baloda Bazar-Bhatapara (C.G.) Pin : 493 332, Ph. : 07727-203101

CIN No. : L26943RJ1979PLC001935



SRCP/ENV/2020-21/416

Date: - 17/11/2020

To,

**Addl. Principal Chief Conservator of Forests (C),**

Ministry of Env., Forest and Climate Change

Regional Office(WCZ), Ground Floor

East Wing, New Secretariat Building,

Civil Lines, Nagpur-440001

**Sub: - Regarding compliance for the period April-2020 to September-2020 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 30<sup>th</sup> March, 2017.

Dear Sir,

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

This is for your kind information & submission please.

Thanking you.

Yours faithfully

For Shree Raipur Cement Plant.

(A unit of Shree Cement Ltd.)

  
R. K. Vijay

Joint VP (Operations)

**Enclosed:** Compliance status Report period **April-2020 to September-2020**.

Cc to: -

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

## **Compliance Status of Environment Clearance**

**Period from April -2020 to September -2020**

<b>Name of Project:</b>	Shree Lime Stone Mine by Shree Raipur Cement Plant (A Unit of Shree Cement Ltd)
<b>Capacity &amp; Location:</b>	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).
<b>EC Letter No:</b>	J-11015/159/2014-IA.II(M) on dated 30 <sup>th</sup> March, 2017

### **A. Specific & Conditions:**

<b>Sr. No</b>	<b>Conditions</b>	<b>Compliance status</b>
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.	Necessary permission for land use has been obtained from the State Govt. of Chhattisgarh.
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 We are maintaining 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. No forest area present within the mining lease area.
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.	Consent to Operate for extraction of 8.6 MTPA of limestone has been granted by the CECB vide letter no. 7892/TS/CECB/2019 dated 05.12.2019. The compliance to the conditions stipulated in the consent to operate is submitted to the pollution control board on

*Amey*

		monthly basis.
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>We have installed 4 numbers of AAQMS for the measurement of parameters like PM10, PM2.5, CO, SO2 and NOx and real time monitoring data are linked with SPCB and CPCB server.</p> <p>Real time data are being displayed at the plant main gate.</p> <p>There is no effluent water generated from mining activities.</p> <p>Waste water generated from HEMM washing is used for dust suppression in crusher after removal of oil and grease contents.</p> <p>The domestic Sewage water generated from mine office utility is channelized to STP present within plant premises, and the treated water is used for plantation purpose.</p> <p>CAAQMS data are enclosed as <b>Annexure-1</b>. The photograph of Display Board at main gate is enclosed as <b>Photo no-1</b>.</p>
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.	<p>Complying with.</p> <p>Ground water level and quality is being monitored by NABL accredited Lab and the reports are submitted to the Regional office of the Ministry, CGWA and State Pollution Control Board.</p> <p>Copy of report is enclosed as <b>Annexure- 2</b>.</p>
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.	<p>Presently 1,95,686 saplings have been planted within the mining lease area.</p> <p>Additionally, under Hariyar Chhattisgarh project we have planted 15000 trees near School of Bharuwadih, Semradih, Khapradih, Chandi, Karahi &amp; Parkidih villages with about 10 KM of both side of road plantation from Bharuwadih to chandi village and we have also planted about 15,050 trees at Bhatapara. Apart from that, 5,000 tree sapling have been also done in Railway siding. 5,000 trees have been planted in colony area and 2,000 trees has been planted near the Logistic building. Hariyar plantation Near Villages 14,524.</p> <p>Photographs of plantation are enclosed as <b>Photo no-2 &amp; 3</b>.</p>

*Amul*

		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).  During the period of April, 2020 to September, 2020 total 1776 Nos. health check-up conducted. Sample copy of medical examination for the period April-2020 to September-2020 is enclosed as <b>Annexure-3</b> .
<b>B. General Conditions</b>		
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.	We will submit the Final Mine Closure Plan along with details of Corpus Fund to the Ministry of Environment, Forest and Climate Change 5 years in advance of final mine closure.
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.	There is no change in the calendar plan. We are working as per approved mining plan by IBM.
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.	Obtained NOC from CGWA for withdrawal of 3000 KL/ Day of ground water vide letter no. 21-4(36)/NCCR/CGWA/2008-2079 dated 24.10.18. Valid up to 07.04.2023.
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	Controlled blasting is being carried out with latest blasting technology by using non-electric down detonators with hole delay system and non-electric trunk line delay system at surface. Individual hole gives separate delay which gives minimum vibration level as well as low value of

*Amicus*

	Regional Office of the Ministry.	air blast on the surface. It reduced the vibration well below the permissible limit as prescribed by DGMS. Ground vibration being regularly monitored as well as air blast level with the help of latest Micromate Seismograph. Vibration Report from April-2020 to September-2020 is enclosed as <b>Annexure-4</b> .
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 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 <b>Annexure-5</b> .
9	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.	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. Continuous & manual AAQ data are enclosed as <b>Annexure-1</b> .  Vibration Report from April-2020 to September-2020 is enclosed as <b>Annexure-4</b> .  There is no effluent water discharge from mine and the monitored data is being uploaded on the website of the company as well as displayed on a display board provided near main gate.
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 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.	Water is being sprayed on haul road, loading and unloading point and transfer points and inside the crusher.  Ambient air quality is being monitored as per CPCB guidelines and result are well within the prescribed norms.  Ambient air quality monitoring Report is attached as <b>Annexure 1</b> .

*Amulya*

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.	<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. Photographs of the same is enclosed as <b>Photo- 4</b></p> <p>Data collected are being submitted to the MOEF&amp;CC and its Regional Office, Central Ground Water Authority and State Ground Water Board annually.</p> <p>Copy of Water quality and level is attached as <b>Annexure 2.</b></p>
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.	<p>There are no springs or perennial nallahs flowing through the mining lease area.</p> <p>There is no disturbance of nearby water bodies by mining activities.</p> <p>We have developed rain water harvesting pond of capacity 2.5 lacs KL &amp; mines pit is also developed to store 2.5 lacs KL for direct use and to recharge the ground water. Further in residential colony one pond of 20,000 KL is developed.</p> <p>Photographs are enclosed as <b>Photo- 5.</b></p>
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	There is no river flowing near to mining lease area.
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	<p>Lime Stone is being transported through pipe conveyor and closed conveyor system from crusher to plant.</p> <p>Photograph enclosed as <b>Photo no. 6.</b></p>

*Amulya*

	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.	All the mining activities is being carried out as per norms of DGMS to maintain illumination and sound level. Noise monitoring report enclosed as <b>Annexure 6</b> .  Apart from this 7.5 M width wide green belt has been developed surrounding the mining lease area.
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.	Water sprinklers are provided in haulage road and other roads are wetted with water tankers. Road from Mine office to crusher is permanent and have been cemented. Photographs of concreted road is enclosed as <b>Photo- 7</b> .
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.	We have constructed check dams, garland drains terminating at settling ponds for water run-off management. pH monitoring is also done along with water quality monitoring. The report of the same is submitted to Regional Office, Ministry of Environment, Forest and Climate Change 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.	We have developed 2 ponds in plant area of 1,00,000 KL capacity each and mining pit of capacity 2,50,000 KL and one pond in mine area of 2,50,000 KL in mine area to collect rain water and recharge of ground water. Further in residential colony one pond of 20,000 KL is developed. In addition, we have maintained the ponds by cleaning and deepening at Village Chandi, Karhi and Khapradih.  Photographs of water harvesting ponds are enclosed as <b>Photo no. 8,9,10,11 &amp; 12</b> .
19	The Project Proponent has to take care of	Provided pitching along the slope of crusher

*Amicus*

	gullies formed on slopes. Dump mass should be consolidated with proper filling/levelling with the help of dozer/compactors.	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.	The waste dump is being stacked at an earmarked site(s) inside ML Area and the Dump height is being maintained with proper sloping & dump slopes are planted with native species for dump stabilization. Photograph of the same is enclosed as <b>Photo no. 13.</b>
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.	As per approved mining plan, top soil generated is being stacked separately at earmarked area and used for plantation along mines lease boundary area.  We are regularly submitting half yearly Compliance reports. Last Half Yearly Compliance report period from October-19 to March-20 sent by e-mail on 29.05.2020 and also uploaded the same on MoEF&CC portal.
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	Catch drains and siltation pond has been constructed to collect rain water and being utilized.

*Amulya*



	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.	7.5 Meter width wide green belt has been developed surrounding the mining lease area. At present 1,95,686 plant sampling has been planted in mining area.
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	Not Applicable
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	Letter from forest Department showing "No impact of project on Dhabadih Reserved Forest" is enclosed as <b>Annexure-7</b> .

*Amul*

	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.	Details enclose for CSR expenses as given in <b>Annexure- 8.</b>
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 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.	There is no effluent water generated from mining activities. Only HEMM washing is carried out and treated water is used for dust suppression in crusher after removal of oil and grease contents. Sewage water generated from mine office utility is channelized to STP present within Plant premises & treated water is used for plantation purpose.
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.

*Amul*

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 funds are available for Capital and Recurring to implement the EMP. Total environmental Expenditure for the period April, 2020 to September, 2020 is attached as <b>Annexure- 9.</b>
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.	Noted
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-19 to March-20 sent by e-mail on 29.05.2020 and also uploaded the same on MoEF&CC portal.
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. EC letter has been displayed on our web site:- <a href="http://www.shreecement.com">www.shreecement.com</a>
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.	Noted
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 <a href="http://www.environmentclearance.nic.in">www.environmentclearance.nic.in</a> 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 <b>Annexure-10.</b>

**Additional Environment Clearance Condition for mining Project as per MoEF&CC, O.M - F. No. 22-34/ 2018**

**IA.III dated 16.01.2020.**

1	The mining lease holder shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	We shall abide by the said condition & do as per approved mining plan.
---	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------

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



R K Vijay  
Joint VP (Operations)

Enclosed: - As above



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

**CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT (MONTHLY AVERAGE)**

Location	Parameters	Norms	Unit	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
AAQMS 1 (Mines boundary towards village Bharuwadih)	PM <sub>10</sub>	100	µg/m <sup>3</sup>	57.40	54.02	45.64	37.49	28.29	43.12
	PM <sub>2.5</sub>	60		24.83	26.27	24.96	18.43	14.05	24.16
	SO <sub>2</sub>	80		12.06	11.81	10.36	10.22	10.60	10.66
	NO <sub>2</sub>	80		11.13	10.90	9.56	9.44	9.77	9.84
AAQMS 2 (Mines boundary towards village Semradih)	PM <sub>10</sub>	100		22.65	55.61	Not in Operation			
	PM <sub>2.5</sub>	60		13.18	26.53				
	SO <sub>2</sub>	80		22.10	11.76				
	NO <sub>2</sub>	80		20.51	7.84				
AAQMS 3 (Plant Boundary towards South Dialect)	PM <sub>10</sub>	100		46.64	58.77	42.58	30.30	21.99	38.63
	PM <sub>2.5</sub>	60		21.85	29.56	25.55	18.97	11.35	21.38
	SO <sub>2</sub>	80		12.14	12.35	12.59	12.39	12.61	12.69
	NO <sub>2</sub>	80		9.11	9.26	9.45	9.30	9.46	9.52
AAQMS 4 (Plant Boundary towards village Khapradih)	PM <sub>10</sub>	100		42.07	41.22	30.02	37.68	28.69	43.69
	PM <sub>2.5</sub>	60		22.77	24.78	22.09	18.22	13.45	23.26
	SO <sub>2</sub>	80		10.04	9.12	22.04	7.71	5.36	5.21
	NO <sub>2</sub>	80		6.45	6.13	6.22	6.23	3.93	0.96



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/JUNE-00/0158

Date: 20/06/2020

## ANALYSIS REPORT

(For the Month of June-2020)

Client Details		Sample Details		
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/F2/AA1	
		Location	Nr. Bharuadih	
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Quantity	N/A	
		Instrument	RDS, FPS, Bladder	
		Sampling duration	24 Hrs.	
Sampling Done By		Mr. Vikram	Date of Sampling	10/06/2020
Analysis Started Date		12/06/2020	Date of Sample Receiving	12/06/2020
Analysis Completion Date		20/06/2020	Sampling Method	IS 5182: Part - 5: 1975

## AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	57.12	100	Gravimetric Method
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	32.6	60	Gravimetric Method
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.08	80	Improved West and Geake
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	10.23	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.51	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m <sup>3</sup>	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m <sup>3</sup>	<1.0	20	By AAS method
9.	Arsenic as As	ng/m <sup>3</sup>	<5.0	6.0	By AAS method
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.

Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/JUNE-00/0158

Date: 20/06/2020

## ANALYSIS REPORT

(For the Month of June-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/F2/AA2
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Location	Nr. Semaradih
Sampling Done By	Mr. Pragnesh	Quantity	N/A
Analysis Started Date	12/06/2020	Instrument	RDS, FPS, Bladder
Analysis Completion Date	20/06/2020	Sampling duration	24 Hrs.
		Date of Sampling	10/06/2020
		Date of Sample Receiving	12/06/2020
		Sampling Method	IS 5182: Part - 5: 1975

## AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	60.2	100	Gravimetric Method
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	29.3	60	Gravimetric Method
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.6	80	Improved West and Geake
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	10.5	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.26	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m <sup>3</sup>	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m <sup>3</sup>	<1.0	20	By AAS method
9.	Arsenic as As	ng/m <sup>3</sup>	<5.0	6.0	By AAS method
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/JUNE-00/0158

Date: 20/06/2020

## ANALYSIS REPORT (For the Month of June-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/F2/AA3
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Location	Nr. RMS
		Quantity	N/A
		Instrument	RDS, FPS, Bladder
		Sampling duration	24 Hrs.
Sampling Done By	Mr. Pragnesh	Date of Sampling	10/06/2020
Analysis Started Date	12/06/2020	Date of Sample Receiving	12/06/2020
Analysis Completion Date	20/06/2020	Sampling Method	IS 5182: Part - 5: 1975

## AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	55.6	100	Gravimetric Method
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30.1	60	Gravimetric Method
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.14	80	Improved West and Geake
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	12.4	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.51	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m <sup>3</sup>	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m <sup>3</sup>	<1.0	20	By AAS method
9.	Arsenic as As	ng/m <sup>3</sup>	<5.0	6.0	By AAS method
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.

  
Authorized Signatory

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





# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/JUNE-00/0158

Date: 20/06/2020

## ANALYSIS REPORT

(For the Month of June-2020)

For the Month of June-2020

Client Details		Sample Details		
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/F2/AA4	
Address	Village -Kharpradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Location	Nr. Kharpradih	
		Quantity	N/A	
		Instrument	RDS, FPS, Bladder	
		Sampling duration	24 Hrs.	
Sampling Done By		Mr. Vikram	Date of Sampling	10/06/2020
Analysis Started Date		12/06/2020	Date of Sample Receiving	12/06/2020
Analysis Completion Date		20/06/2020	Sampling Method	IS 5182: Part - 5: 1975

## AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	60.35	100	Gravimetric Method
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	29.62	60	Gravimetric Method
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	12.31	80	Improved West and Gaeke
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	7.68	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.31	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m <sup>3</sup>	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m <sup>3</sup>	<1.0	20	By AAS method
9.	Arsenic as As	ng/m <sup>3</sup>	<5.0	6.0	By AAS method
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.



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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/August-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client Details			Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)		Sample Code	GCI/V/20/H4/AA1
			Location	Nr. Bharuadih
Address	Village –Khapradih, Tehsil – Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332		Quantity	N/A
			Instrument	RDS, FPS, Bladder
			Sampling duration	24 Hrs.
Sampling Done By		Mr. Kartik	Date of Sampling	21/08/2020
			Date of Sample Receiving	23/08/2020
Analysis Started Date		23/08/2020		
Analysis Completion Date		28/08/2020	Sampling Method	IS 5182: Part – 5: 1975

## AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	30.2	100	Gravimetric Method
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	13.24	60	Gravimetric Method
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	10.7	80	Improved West and Geake
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	9.88	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.49	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m <sup>3</sup>	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m <sup>3</sup>	<1.0	20	By AAS method
9.	Arsenic as As	ng/m <sup>3</sup>	<5.0	6.0	By AAS method
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.



Authorized Signatory

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

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/August-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/AA2
		Location	Nr. Semaradih
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Quantity	N/A
		Instrument	RDS, FPS, Bladder
		Sampling duration	24 Hrs.
Sampling Done By	Mr. Kartik	Date of Sampling	21/08/2020
Analysis Started Date	23/08/2020	Date of Sample Receiving	23/08/2020
Analysis Completion Date	28/08/2020	Sampling Method	IS 5182: Part - 5: 1975

## AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	32.4	100	Gravimetric Method
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	15.4	60	Gravimetric Method
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.6	80	Improved West and Geake
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	9.5	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.35	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m <sup>3</sup>	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m <sup>3</sup>	<1.0	20	By AAS method
9.	Arsenic as As	ng/m <sup>3</sup>	<5.0	6.0	By AAS method
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.



Authorized Signatory

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

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/August-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/AA3
		Location	Nr. RMS
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Quantity	N/A
		Instrument	RDS, FPS, Bladder
Sampling Done By	Mr. Kartik	Sampling duration	24 Hrs.
		Date of Sampling	21/08/2020
Analysis Started Date	23/08/2020	Date of Sample Receiving	23/08/2020
Analysis Completion Date	28/08/2020	Sampling Method	IS 5182: Part - 5: 1975

## AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	32.4	100	Gravimetric Method
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	15.9	60	Gravimetric Method
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.41	80	Improved West and Geake
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	9.61	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.82	2.0	Non Dispersive infra-red spectroscope
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m <sup>3</sup>	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m <sup>3</sup>	<1.0	20	By AAS method
9.	Arsenic as As	ng/m <sup>3</sup>	<5.0	6.0	By AAS method
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.



Authorized Signatory

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

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/August-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client Details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/AA4
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Location	Nr. Kharpradih
		Quantity	N/A
		Instrument	RDS, FPS, Bladder
		Sampling duration	24 Hrs.
Sampling Done By	Mr. Kartik	Date of Sampling	21/08/2020
Analysis Started Date	23/08/2020	Date of Sample Receiving	23/08/2020
Analysis Completion Date	28/08/2020	Sampling Method	IS 5182: Part - 5: 1975

## AMBIENT AIR QUALITY MONITORING RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	36.86	100	Gravimetric Method
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	17.42	60	Gravimetric Method
3.	Sulphur dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.36	80	Improved West and Geake
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	6.47	80	Modified Jacob and Hoehheiser
5.	Carbon Monoxide CO	mg/m <sup>3</sup>	0.35	2.0	Non Dispersive infra-red spectroscopy
6.	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	<1.0	100	Chemical Method (By U.V Visible Spectrophotometer)
7.	Lead as Pb	µg/m <sup>3</sup>	<0.05	1.0	By AAS method
8.	Nickel as Ni	ng/m <sup>3</sup>	<1.0	20	By AAS method
9.	Arsenic as As	ng/m <sup>3</sup>	<5.0	6.0	By AAS method
10.	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	<10	400	Indophenol Blue Method (By U.V Visible Spectrophotometer)
11.	Benzene, C <sub>6</sub> H <sub>6</sub>	µg/m <sup>3</sup>	<0.5	5.0	Gas Chromatography
12.	Benzo (a) Pyrene	ng/m <sup>3</sup>	<0.05	1.0	Solvent extraction followed by GC

Remark: Results are within limit as per NAAQS Guideline.



Authorized Signatory

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

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

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

**GROUND WATER LEVEL MONITORING REPORT (April-2020 to September-2020)**

S.No.	Location → Month ↓	Piezometer-1 AWLR-Near Old Mines Gate Level (M)	Piezometer-2 AWLR-Near Khapradih Gate (M)	Piezometer-3 AWLR-Near AAQMS-2 (Semradih Village) (M)	Piezometer-4 AWLR-Near AAQMS 3 (M)	Piezometer-5 AWLR-Near Crusher -1 (M)	Piezometer-6 AWLR-Near AAQMS-4 (Khapradih Village) (M)
1	Apr-20	12.69	17.04	19.10	10.53	14.00	28.19
2	May-20	12.42	17.20	19.82	10.85	13.45	26.20
3	Jun-20	10.25	15.25	16.35	11.20	11.73	23.96
4	Jul-20	1.97	5.47	15.80	9.54	5.63	14.35
5	Aug-20	1.18	4.30	4.63	8.32	5.16	12.24
6	Sep-20	0.79	2.22	1.36	8.41	5.01	8.49

*Amul*

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW3
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Bore well Water Near GDCL Labour Hutment (B14)
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	6.91	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	120	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	100.7	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	385	2000	APHA 2540 C
12	Calcium	mg/L	76.8	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	50.7	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	85.4	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	2.16	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW3
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Bore well Water Near GDCL Labour Hutment (B14)
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	1.9	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.

GREEN CIRCLE INC.  
Authorized Signatory  
BARODA

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





# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT

(For the Month of May- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW5
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Bore well Piezometer (P5) Near Crusher - I
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.28	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	145	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	88.7	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	395	2000	APHA 2540 C
12	Calcium	mg/L	80.6	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	55.3	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	87	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	3.56	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW5
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Bore well Piezometer (P5) Near Crusher -1
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	1.9	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.

GREEN CIRCLE INC.  
*Signature*  
Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW7
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram . panchayat Bharuadih Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.74	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	167	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	95.2	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	504	2000	APHA 2540 C
12	Calcium	mg/L	85.4	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	47.1	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	95.5	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	4.19	45	APHA4500 NO3- - B

ND: Not Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW7
Address	Village -Khapradih, Tehsil -Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Bharuadih Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	1.9	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.

Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT

(For the Month of May- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW8
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Khapradih Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	8.01	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	174	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	111	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	474	2000	APHA 2540 C
12	Calcium	mg/L	98.3	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	42.1	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	120	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	3.47	45	APHA4500 NO3- - B

ND: Not Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW8
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Khapradih Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	1.9	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.

Authorized Signatory  
GREEN CIRCLE INC.

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





# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW9
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Champa Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	8.11	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	160	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	115	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	496	2000	APHA 2540 C
12	Calcium	mg/L	95.2	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	49.8	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	130	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	3.35	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT

(For the Month of May-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW9
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Champa Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO2 - D
32	Sulphates	mg/L	1.9	400	APHA 4500 SO4 - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S2
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.

Authorized Signatory

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





# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No: -GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW10
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Sarseni Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	8.25	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	172	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	200	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	520	2000	APHA 2540 C
12	Calcium	mg/L	106	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	54.7	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	154	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	2.69	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW10
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Sarseni Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	1.9	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.

Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May- 2020)

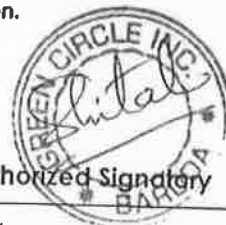
Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW11
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Semaradih Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limts as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.95	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	180	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	192	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	489	2000	APHA 2540 C
12	Calcium	mg/L	113	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	52.5	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	145	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH <sub>3</sub>
17	Nitrates	mg/L	4.21	45	APHA4500 NO <sub>3</sub> - - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW11
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Semaradih Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	1.9	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.

Authorized Signatory  
GREEN CIRCLE INC.  
BARDOLLI

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May - 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW12
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Chandi Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.81	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	163	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	152	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	448	2000	APHA 2540 C
12	Calcium	mg/L	103	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	35.7	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	221	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	4.41	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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





# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/MAY-00/0096

Date: 29/05/2020

## ANALYSIS REPORT (For the Month of May-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/E4/DW12
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Chandi Village
Sampling Done By	Pragnesh	Date of Sampling	20/05/2020
Analysis Started Date	22/05/2020	Date of Sample Received	22/05/2020
Analysis Completion Date	29/05/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	1.9	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW3
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Bore well Water Near GDCL Labour Hutment (B14)
		Date of Sampling	19/08/2020
Sampling Done By	GCI Representative	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020		
Analysis Completion Date	28/08/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.48	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	134	600	APHA 2340 C
7	Iron as Fe	mg/L	0.04	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	112.5	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	398	2000	APHA 2540 C
12	Calcium	mg/L	74.4	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	43.6	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	91.5	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	2.62	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

## ANALYSIS REPORT (For the Month of August-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW3
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Bore well Water Near GDCL Labour Hutment (B14)
		Date of Sampling	19/08/2020
Sampling Done By	GCI REPRESENTATIVE	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	2.3	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW5
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Bore well Piezometer (P5) Near Crusher -1
		Date of Sampling	19/08/2020
Sampling Done By	GCI Representative	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.54	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	172	600	APHA 2340 C
7	Iron as Fe	mg/L	0.01	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	124.9	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	439	2000	APHA 2540 C
12	Calcium	mg/L	86.3	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	61.3	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	105	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	3.92	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW5
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Bore well Piezometer (P5) Near Crusher -1
		Date of Sampling	19/08/2020
Sampling Done By	GCI REPRESENTATIVE	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020		
Analysis Completion Date	28/08/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	2.5	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August- 2020)

Client details			Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)		Sample Code	GCI/V/20/H4/DW7
Address	Village –Khapradih, Tehsil – Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332		Batch/Location	Near Gram panchayat Bharuadih Village
			Date of Sampling	19/08/2020
Sampling Done By		GCI Representative	Date of Sample Received	23/08/2020
Analysis Started Date		23/08/2020		
Analysis Completion Date		28/08/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.49	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	168	600	APHA 2340 C
7	Iron as Fe	mg/L	0.02	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	98.5	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	518	2000	APHA 2540 C
12	Calcium	mg/L	85.7	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	50.3	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	103.4	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	4.3	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW7
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Bharuadih Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI REPRESENTATIVE	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	2.9	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



### Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No: -GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW8
Address	Village –Khapradih, Tehsil – Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Khapradih Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI Representative	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020		
Analysis Completion Date	28/08/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.56	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	194	600	APHA 2340 C
7	Iron as Fe	mg/L	0.02	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	129	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	462	2000	APHA 2540 C
12	Calcium	mg/L	100.5	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	42.5	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	135	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	3.4	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW8
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Khapradih Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI REPRESENTATIVE	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	2.2	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW9
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Champa Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI Representative	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.45	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	179	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	129	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	492	2000	APHA 2540 C
12	Calcium	mg/L	104.5	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	42.2	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	146	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	3.10	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW9
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Champa Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI REPRESENTATIVE	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	2.8	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW10
Address	Village –Khapradih, Tehsil – Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Sarseni Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI Representative	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020		
Analysis Completion Date	28/08/2020	Sampling Method	APHA 1060

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.35	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	188	600	APHA 2340 C
7	Iron as Fe	mg/L	0.02	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	216	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	518	2000	APHA 2540 C
12	Calcium	mg/L	106	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	65.2	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	162	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	3.62	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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



# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## **ANALYSIS REPORT** (For the Month of August-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW10
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Sarseni Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI REPRESENTATIVE	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## **GROUND WATER ANALYSIS RESULTS**

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	3.2	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

**CORP. OFFICE & R & D**

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW11
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Semaradih Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI Representative	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.71	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	198	600	APHA 2340 C
7	Iron as Fe	mg/L	0.02	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	209	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	524	2000	APHA 2540 C
12	Calcium	mg/L	118	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	56.7	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	162	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	5.2	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW11
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Semaradih Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI REPRESENTATIVE	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	2.5	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



### Authorized Signatory

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August- 2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW12
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh- 493332	Batch/Location	Near Gram panchayat Chandi Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI Representative	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
1	Color	Hazen	<5	15	APHA 2120
2	Odour	-	Agreeable	Agreeable	APHA 2150
3	Turbidity	NTU	<1	5	APHA 2130
4	Taste	-	Agreeable	Agreeable	APHA 2160
5	pH	-	7.49	6.5-8.5	APHA 4500
6	Total Hardness as CaCO <sub>3</sub>	mg/L	187	600	APHA 2340 C
7	Iron as Fe	mg/L	0.03	0.3	APHA 3111 - B
8	Chloride as Cl	mg/L	166	1000	APHA 4500 - Cl-
9	Residual Chlorine	mg/L	<0.5	1	APHA 4500 - Cl
10	Fluoride as F	mg/L	<0.5	1.5	APHA 4500 - F- - D
11	Total Dissolved Solids	mg/L	568	2000	APHA 2540 C
12	Calcium	mg/L	95	200	APHA 3500 -Ca- B
13	Magnesium	mg/L	47.8	100	APHA 3500 -Mg- B
14	Copper	mg/L	<0.2	1.5	APHA 3111 - B
15	Alkalinity	mg/L	214	600	APHA 2320
16	Ammonia Total	mg/L	ND	0.5	APHA 4500 - NH3
17	Nitrates	mg/L	2.7	45	APHA4500 NO3- - B

ND: Note Detected

Remarks: All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

# GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers  
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)  
(No. Q - 1508 / 32 / 2007 - CPW)  
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No: -GCI/V/LAB/EM-G0121/19-SP/19-20/AUGUST-00/0219

Date: 28/08/2020

## ANALYSIS REPORT (For the Month of August-2020)

Client details		Sample Details	
Name	M/s. SHREE RAIPUR CEMENT PLANT (A Unit of Shree Cement Ltd)	Sample Code	GCI/V/20/H4/DW12
Address	Village -Khapradih, Tehsil - Simga, Dist: Baloda Bazar-Bhatapara, Chhattisgarh-493332	Batch/Location	Near Gram panchayat Chandi Village
		Date of Sampling	19/08/2020
Sampling Done By	GCI REPRESENTATIVE	Date of Sample Received	23/08/2020
Analysis Started Date	23/08/2020	Sampling Method	APHA 1060
Analysis Completion Date	28/08/2020		

## GROUND WATER ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	Permissible Limits as per IS 10500:2012 for Drinking Water	Reference Method
18	Mercury	mg/L	ND	0.001	APHA 3112 - B
19	Total Chromium	mg/L	ND	2	APHA 3500 - B
20	Barium	mg/L	ND	0.7	APHA 3500 - Ba
21	Zinc	mg/L	<0.1	15	APHA 3111 - B
22	Arsenic	mg/L	ND	0.05	APHA 3500-As
23	Cadmium	mg/L	<0.002	0.003	APHA 3111 - B
24	Aluminum	mg/L	<0.1	0.2	APHA 3500 - Al - B
25	Selenium	mg/L	ND	0.01	APHA 3500 - Sn
26	Silver	mg/L	ND	0.1	APHA 3500 - Ag
27	Lead	mg/L	ND	0.01	APHA 3111 - B
28	Nickle	mg/L	ND	0.02	APHA 3111 - B
29	Boron	mg/L	<0.1	1.0	APHA 3500 - B
30	Manganese	mg/L	<0.01	0.3	APHA 3111 - B
31	Chloramines	mg/L	ND	4	APHA 4500- ClO <sub>2</sub> - D
32	Sulphates	mg/L	2.2	400	APHA 4500 SO <sub>4</sub> - E
33	Sulphide	mg/L	ND	0.05	APHA 4500 S <sub>2</sub>
34	Molybdenum	mg/L	ND	0.07	APHA 3500- Mo
35	Phenolic Compound	mg/L	<0.001	0.002	APHA 5530
36	E-Coli	MPN/100 ml	ND	Absent	APHA 9221 F
37	Mineral Oil	mg/L	ND	0.5	APHA 5520
38	Anionic Detergent as MBAS	mg/L	<0.1	1.0	APHA 5540 - C

Limit, ND: Not detected

All above parameters are within limit as per IS 10500:2012 drinking water Specification.



Authorized Signatory

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

## DOCTOR / AUDIOLOGIST

## AUDIOGRAM

Name: \_\_\_\_\_

Address: \_\_\_\_\_

PATIENT NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

S R C P

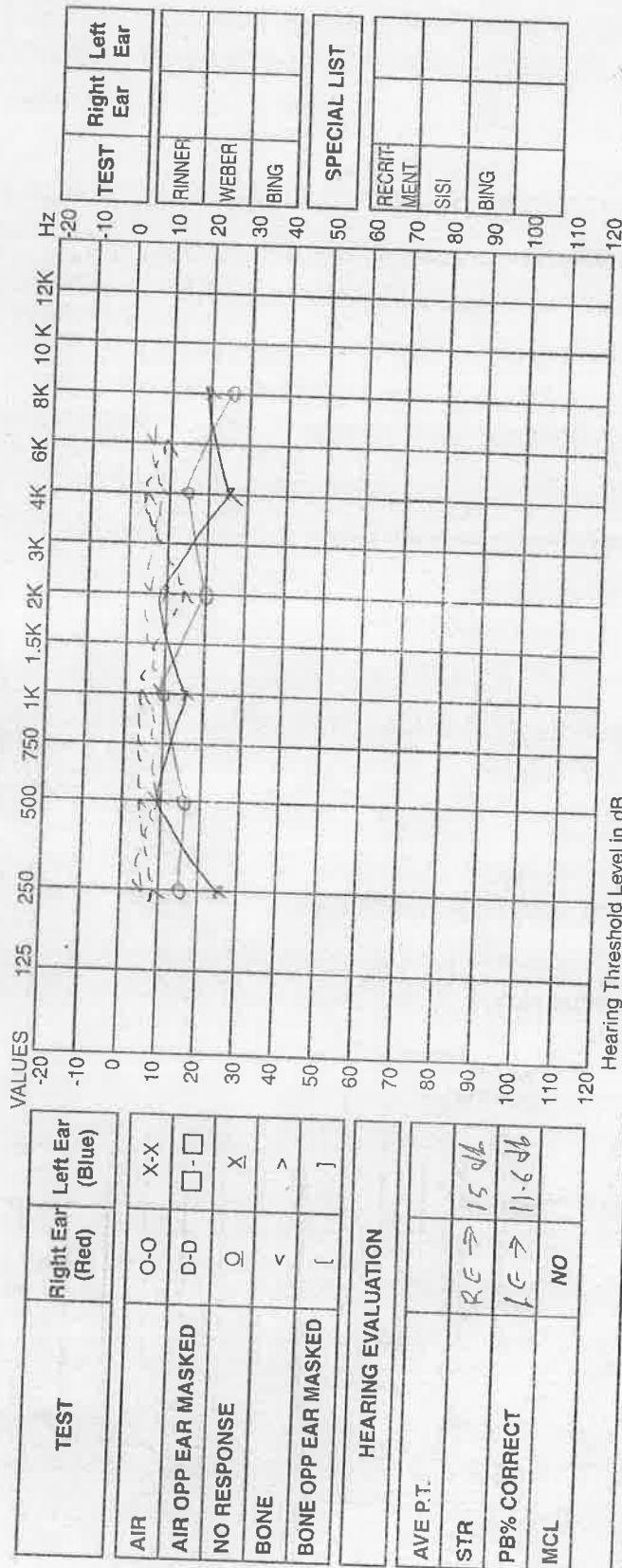
Kishan Singh Rathi

SEX: M

AGE: 23

Yrs.

DATE: 03/08/20



## SPECIAL LIST

RECRIT		
MENT		
SISI		
BING		

Remarks:

B/L warned hearing sensitivity

FACTORY

MEDICAL OFFICER



## SHREE RAIPUR CEMENT PLANT

(A UNIT OF SHREE CEMENT LTD)

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

Date :- 04.08.2020

Emp. / CLC Code :- .....

PATIENT NAME :- .....

MR. KISHAN SINGH BHATI

AGE/SEX :- .....

23 YRS /MALE

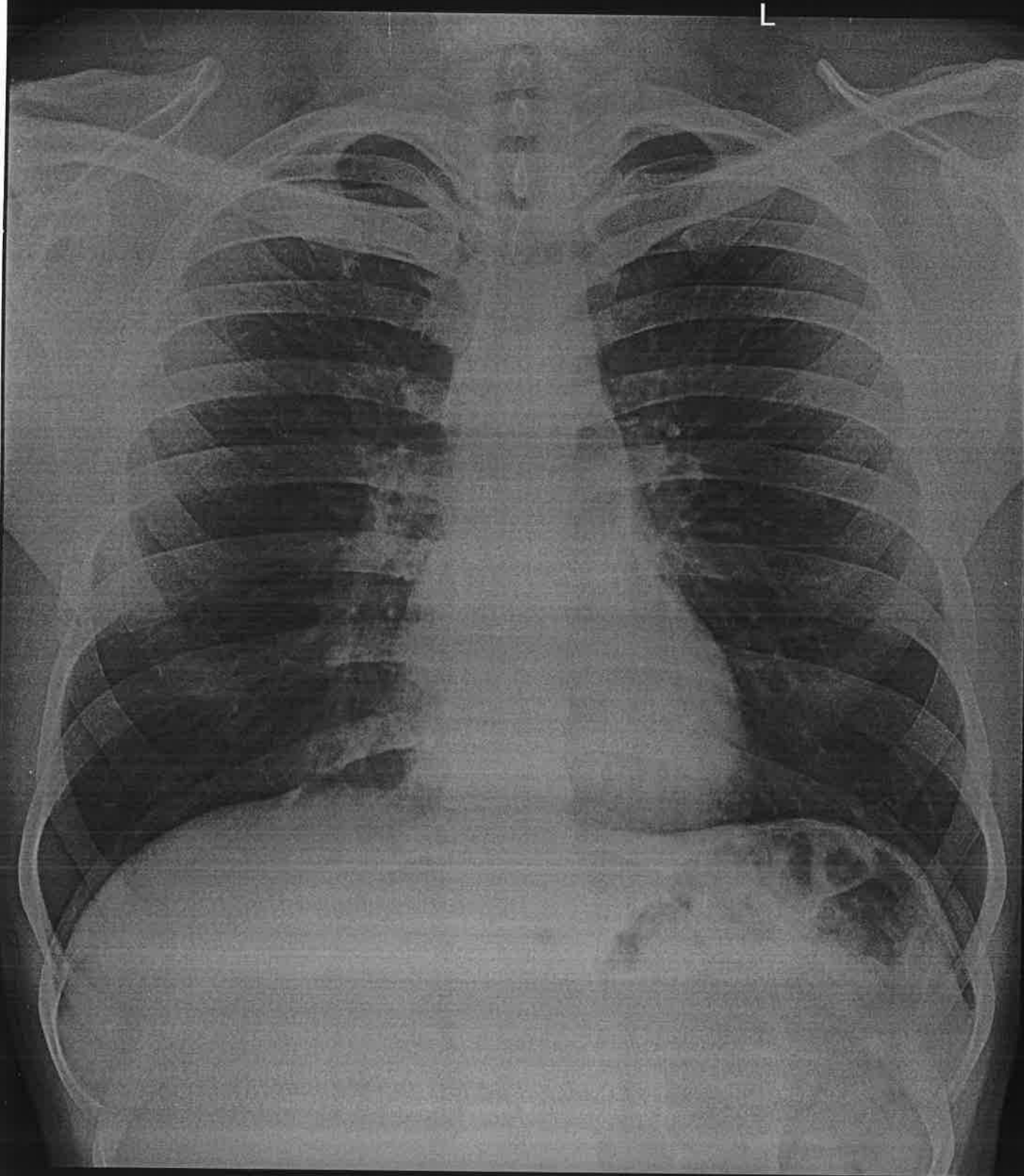
### **X-RAY CHEST PA VIEW**

- 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: SANTOSH  
KUMAR

Digitally signed by  
SANTOSH KUMAR  
Date: 2020.08.06  
10:57:35 +05'30'



KISHAN SINGH BHATI ( Mines ) 23Y 04.08.2020 CHEST PA 04-Aug-20 03:17 PM  
SHREE RAIPUR CEMENT PLANT



## Event Report

Date/Time Vert at 14:59:39 May 30, 2020  
 Trigger Source Geo: 0.700 mm/s, Mic: 120.0 dB(L)  
 Range Geo: 254.0 mm/s  
 Record Time 2.0 sec at 2048 sps  
 Job Number: 1  
 Operator/Setup: Operator/SHREE LIMESTONE MINES,MMB

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

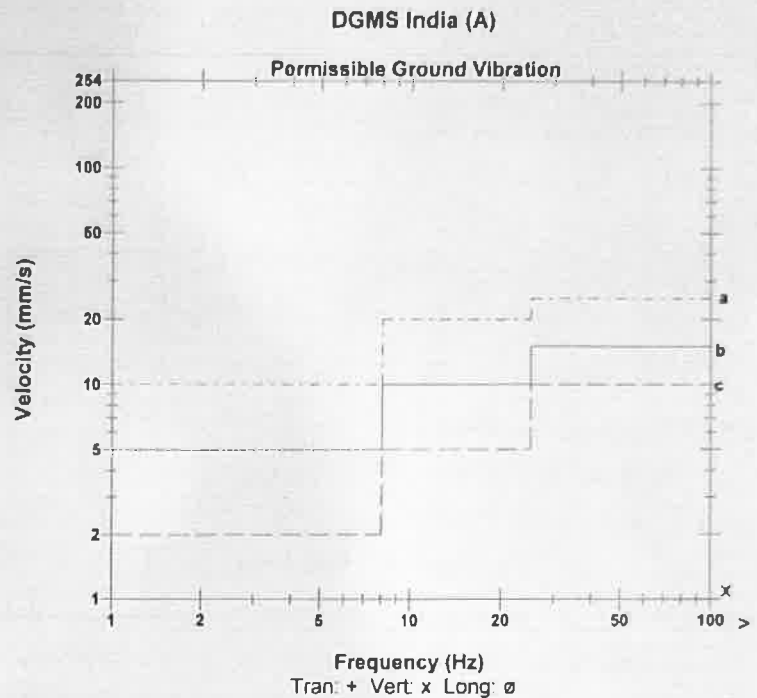
## Notes

Location: 270MRL NE (W) THROW  
 Client: SCL RAIPUR  
 User Name: SHREE CEMENT LTD  
 General: SHREE LIMESTONE MINES

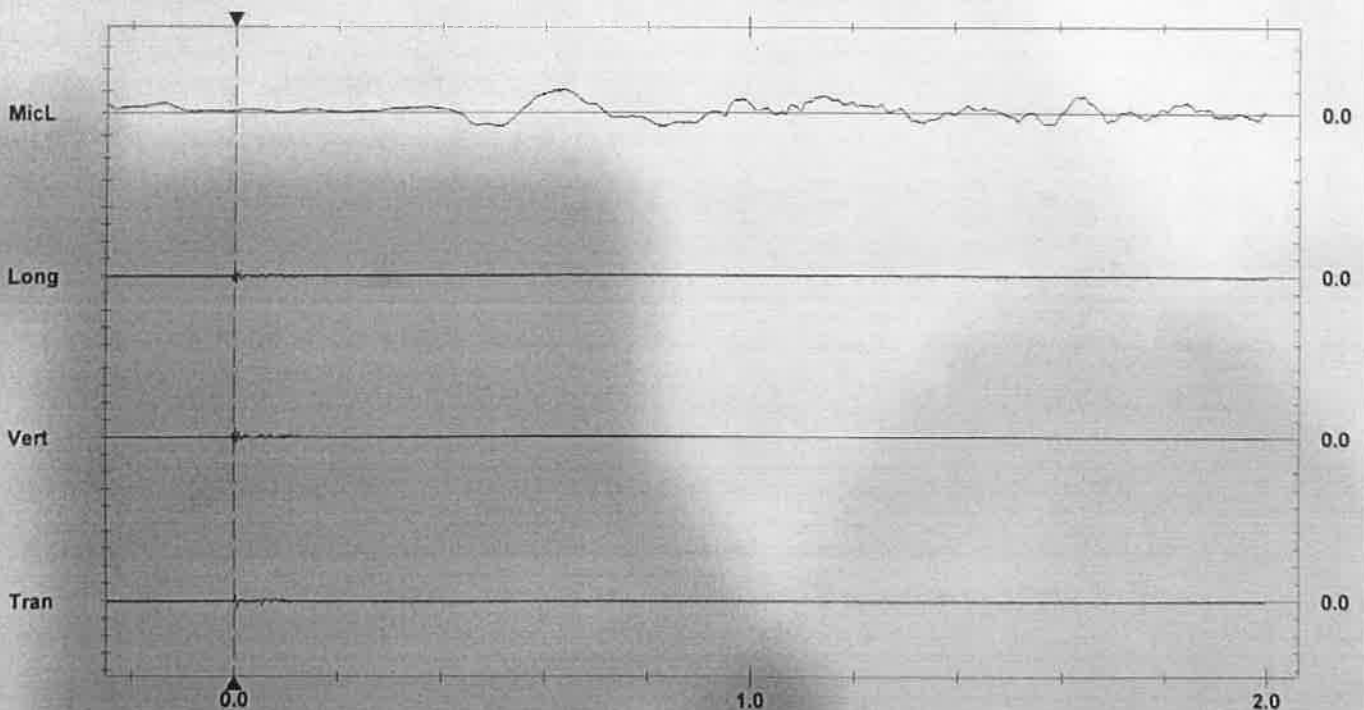
Microphone Linear Weighting  
 PSPL 94.70 dB(L) at 0.626 sec  
 ZC Freq 3.0 Hz  
 Channel Test Passed (Freq = 19.7 Hz Amp = 1118 mv)

	Tran	Vert	Long	
PPV	0.922	1.111	0.962	mm/s
ZC Freq	102	146	171	Hz
Time (Rel. to Trig)	0.006	0.003	0.003	sec
Peak Acceleration	0.063	0.102	0.123	g
Peak Displacement	0.016	0.009	0.015	mm
Sensor Check	Passed	Passed	Passed	

Peak Vector Sum 1.444 mm/s at 0.003 sec



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



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

Printed: July 10, 2020 (V 10.72 - 10.72)

Format © 1998-2014 Xmark Corporation

**Date/Time** Long at 13:59:58 June 26, 2020  
**Trigger Source** Geo: 0.700 mm/s, Mic: 120.0 dB(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 2.0 sec at 2048 sps  
**Job Number:** 1  
**Operator/Setup:** Operator/SHREE Limestone MINES.MMB

**Serial Number** UM12333 V 10-07 Micromate ISEE  
**Battery Level** 3.5 Volts  
**Unit Calibration** October 28, 2017 by UES New Delhi  
**File Name** \_TEMP.EVT

**Notes**

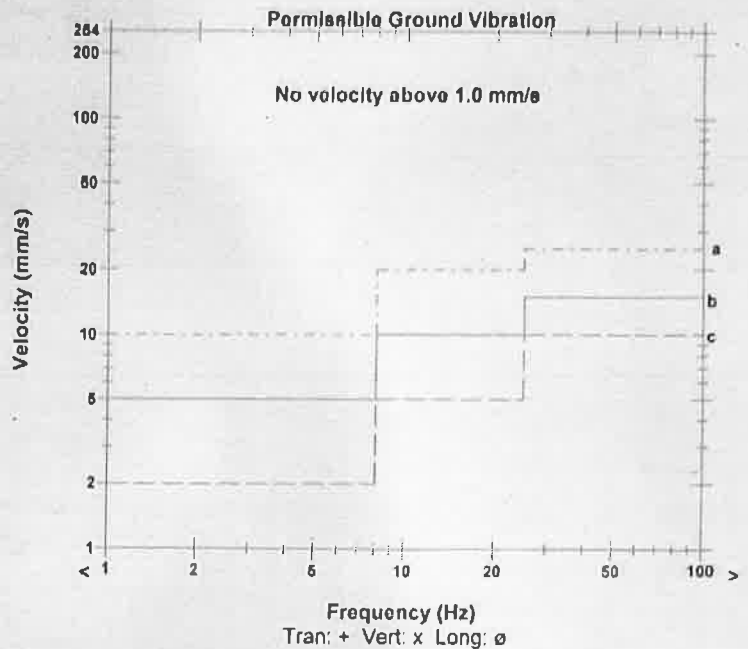
**Location:** 256MRL NE (W) THROW  
**Client:** SCL RAIPUR  
**User Name:** SHREE CEMENT LTD  
**General:** SHREE Limestone MINES

**Microphone** Linear Weighting  
**PSPL** 114.8 dB(L) at 1.067 sec  
**ZC Freq** 7.0 Hz  
**Channel Test** Passed (Freq = 19.7 Hz Amp = 1169 mv )

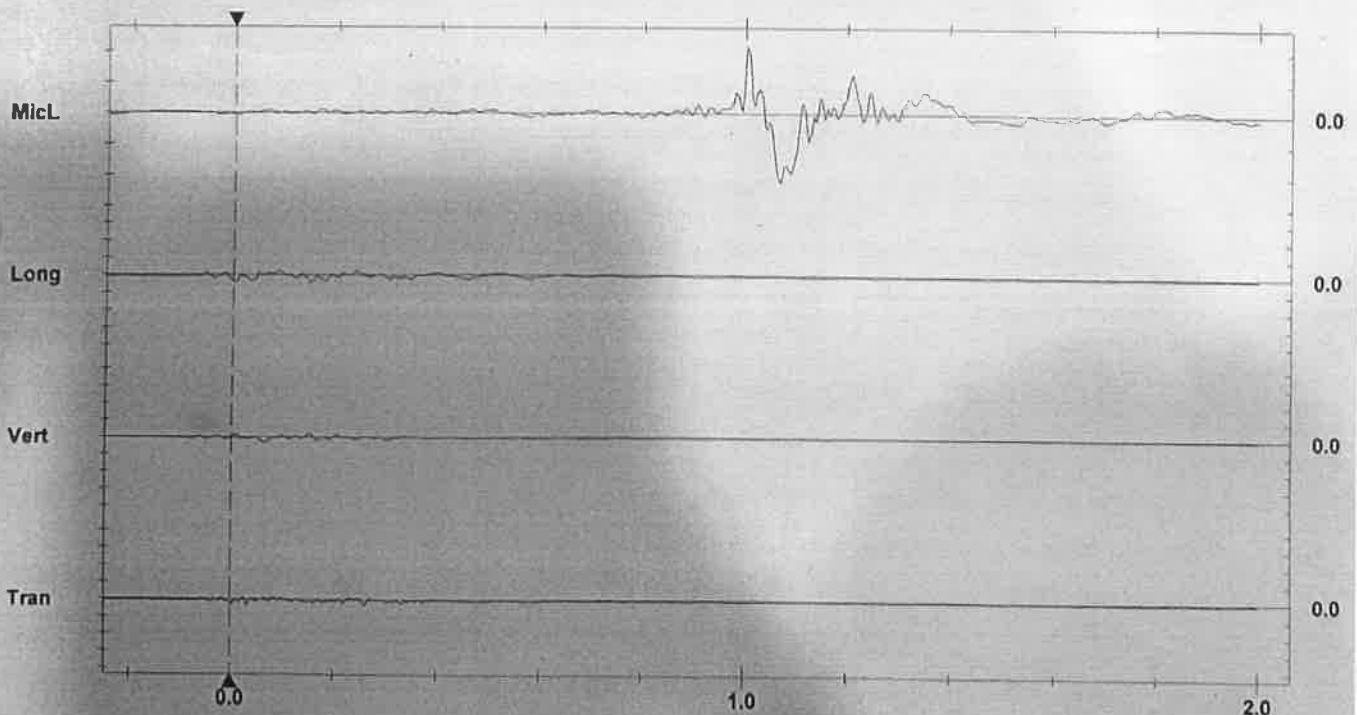
	Tran	Vert	Long	
PPV	0.662	0.631	0.883	mm/s
ZC Freq	45	7.3	9.3	Hz
Time (Rel. to Trig)	0.032	0.062	0.149	sec
Peak Acceleration	0.021	0.015	0.021	g
Peak Displacement	0.010	0.014	0.012	mm
Sensor Check	Passed	Passed	Passed	

**Peak Vector Sum** 1.038 mm/s at 0.004 sec

**DGMS India (A)**



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



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

**Date/Time** Long at 14:03:42 July 10, 2020  
**Trigger Source** Geo: 0.700 mm/s, Mic: 120.0 dB(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 2.0 sec at 2048 sps  
**Job Number:** 1  
**Operator/Setup:** Operator/SHREE Limestone MINES.MMB

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

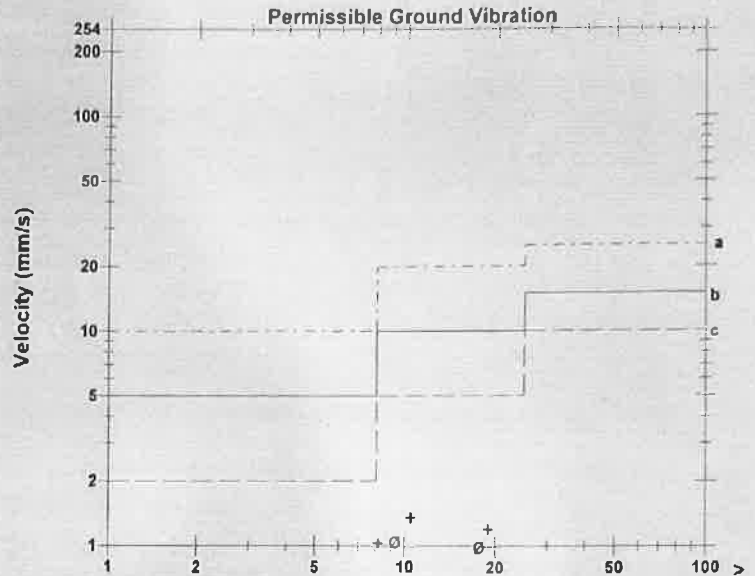
**Notes**

**Location:** 260MRL (W) S THROW  
**Client:** SCL RAIPUR  
**User Name:** SHREE CEMENT LTD  
**General:** SHREE Limestone MINES

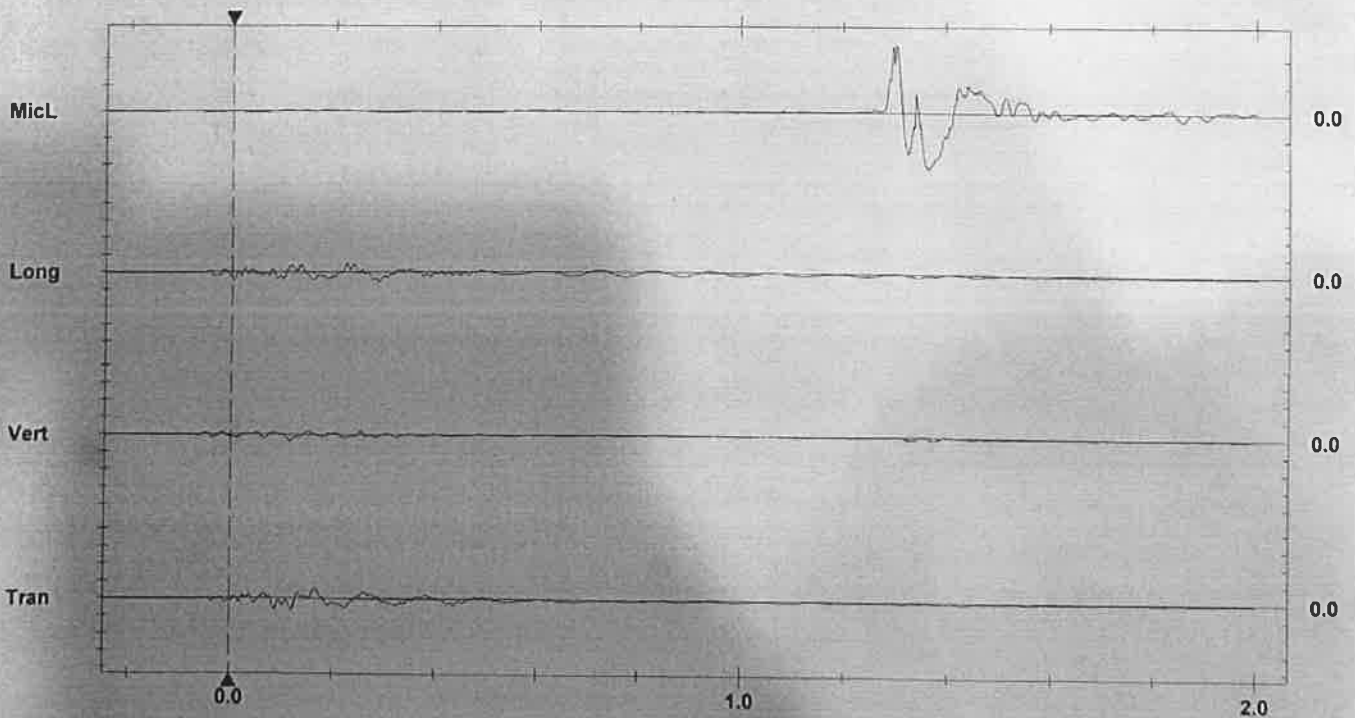
**Microphone** Linear Weighting  
**PSPL** 128.2 dB(L) at 1.304 sec  
**ZC Freq** 5.2 Hz  
**Channel Test** Passed (Freq = 19.7 Hz Amp = 1159 mv)

	Tran	Vert	Long	
PPV	1.356	0.804	1.064	mm/s
ZC Freq	10.4	12.8	9.3	Hz
Time (Rel. to Trig)	0.122	0.115	0.287	sec
Peak Acceleration	0.028	0.018	0.023	g
Peak Displacement	0.018	0.010	0.017	mm
Sensor Check	Passed	Passed	Passed	

**Peak Vector Sum** 1.575 mm/s at 0.121 sec

**DGMS India (A)**


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



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 2.000 mm/s/div Mic: 20.00 pa.(L)/div  
**Trigger =**

**Date/Time** Vert at 02:07:40 July 27, 2020  
**Trigger Source** Geo: 0.700 mm/s, Mic: 120.0 dB(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 2.0 sec at 2048 sps  
**Job Number:** 1  
**Operator/Setup:** Operator/SHREE Limestone MINES MMB

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

## Notes

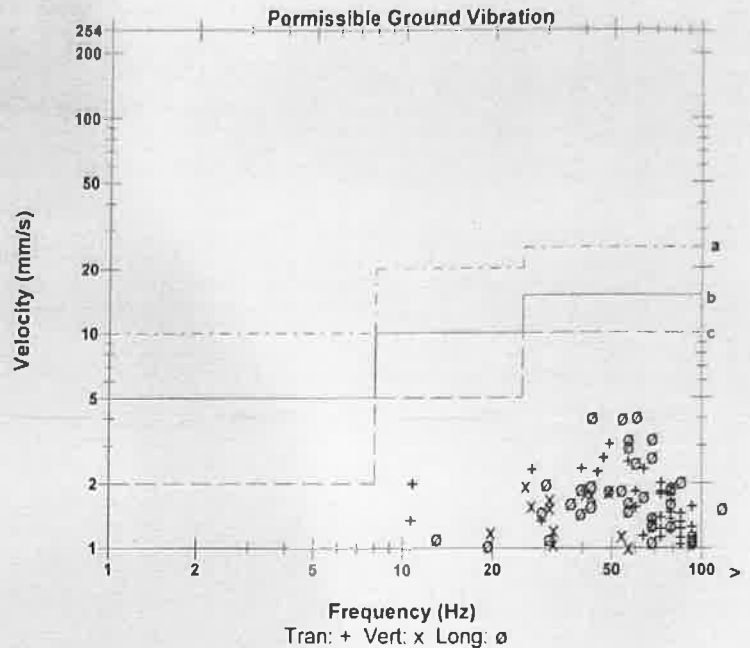
**Location:** 256MRL (SE)  
**Client:** SCL RAIPUR  
**User Name:** SHREE CEMENT LTD  
**General:** SHREE Limestone MINES

**Microphone** Linear Weighting  
**PSPL** 125.6 dB(L) at 0.890 sec  
**ZC Freq** 9.1 Hz  
**Channel Test** Passed (Freq = 19.7 Hz Amp = 1122 mv)

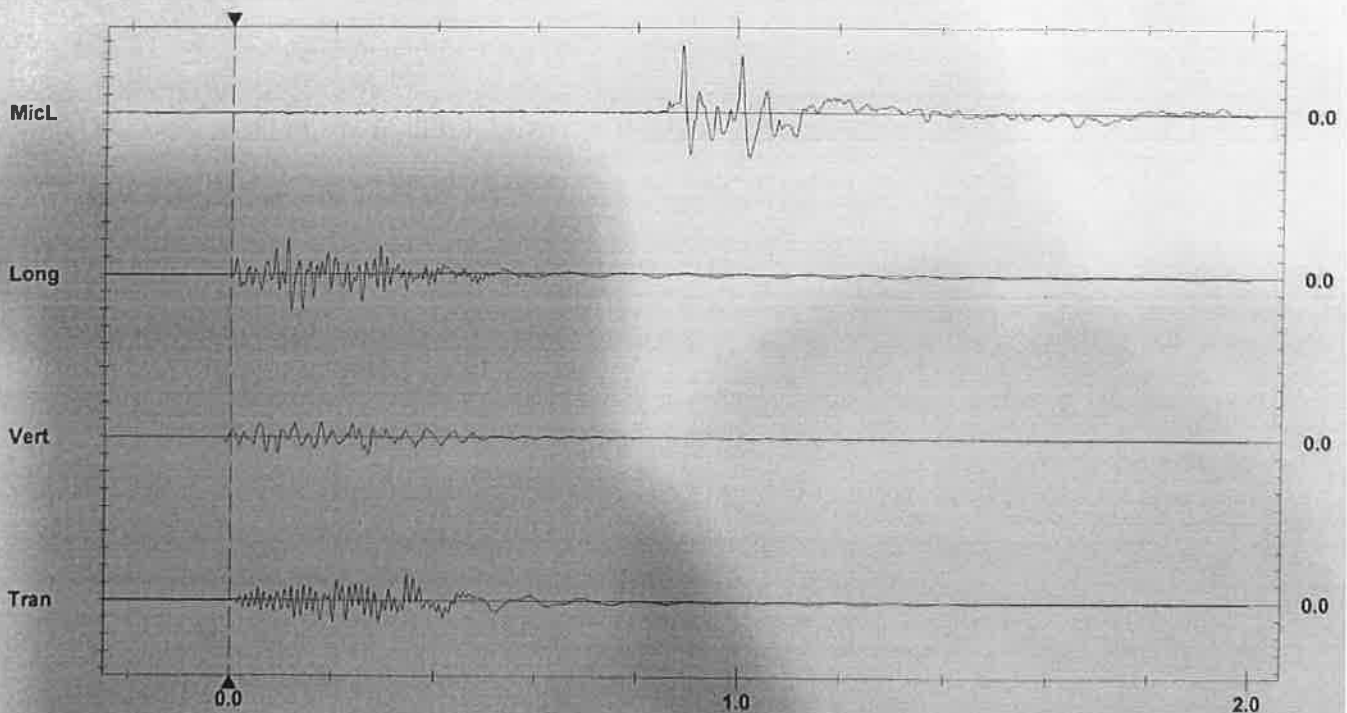
	Tran	Vert	Long	
PPV	3.066	1.963	4.099	mm/s
ZC Freq	49	26	60	Hz
Time (Rel. to Trig)	0.348	0.270	0.112	sec
Peak Acceleration	0.107	0.063	0.193	g
Peak Displacement	0.021	0.012	0.013	mm
Sensor Check	Passed	Passed	Passed	

**Peak Vector Sum** 4.475 mm/s at 0.141 sec

## DGMS India (A)



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



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 2,000 mm/s/div Mic: 10,000 pa (L)/div  
**Trigger =**



**Date/Time** Long at 03:07:45 August 2, 2020  
**Trigger Source** Geo: 0.700 mm/s, Mic: 120.0 dB(L)  
**Range** Geo: 254.0 mm/s  
**Record Time** 2.0 sec at 2048 sps  
**Job Number:** 1  
**Operator/Setup:** Operator/SHREE Limestone MINES MMB

**Serial Number** UM12333 V 10-87 Micromate ISEE  
**Battery Level** 3.4 Volts  
**Unit Calibration** October 28, 2017 by UES New Delhi  
**File Name** \_TEMP.EVT

## Notes

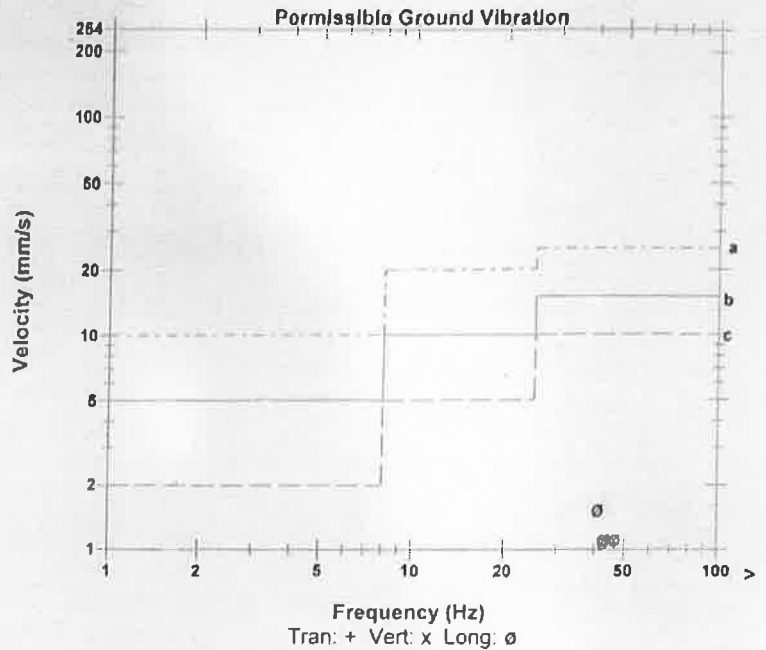
**Location:** 260MRL (W)  
**Client:** SCL RAIPUR  
**User Name:** SHREE CEMENT LTD  
**General:** SHREE Limestone MINES

**Microphone** Linear Weighting  
**PSPL** 117.3 dB(L) at 1.260 sec  
**ZC Freq** 6.8 Hz  
**Channel Test** Passed (Freq = 19.7 Hz Amp = 1174 mv )

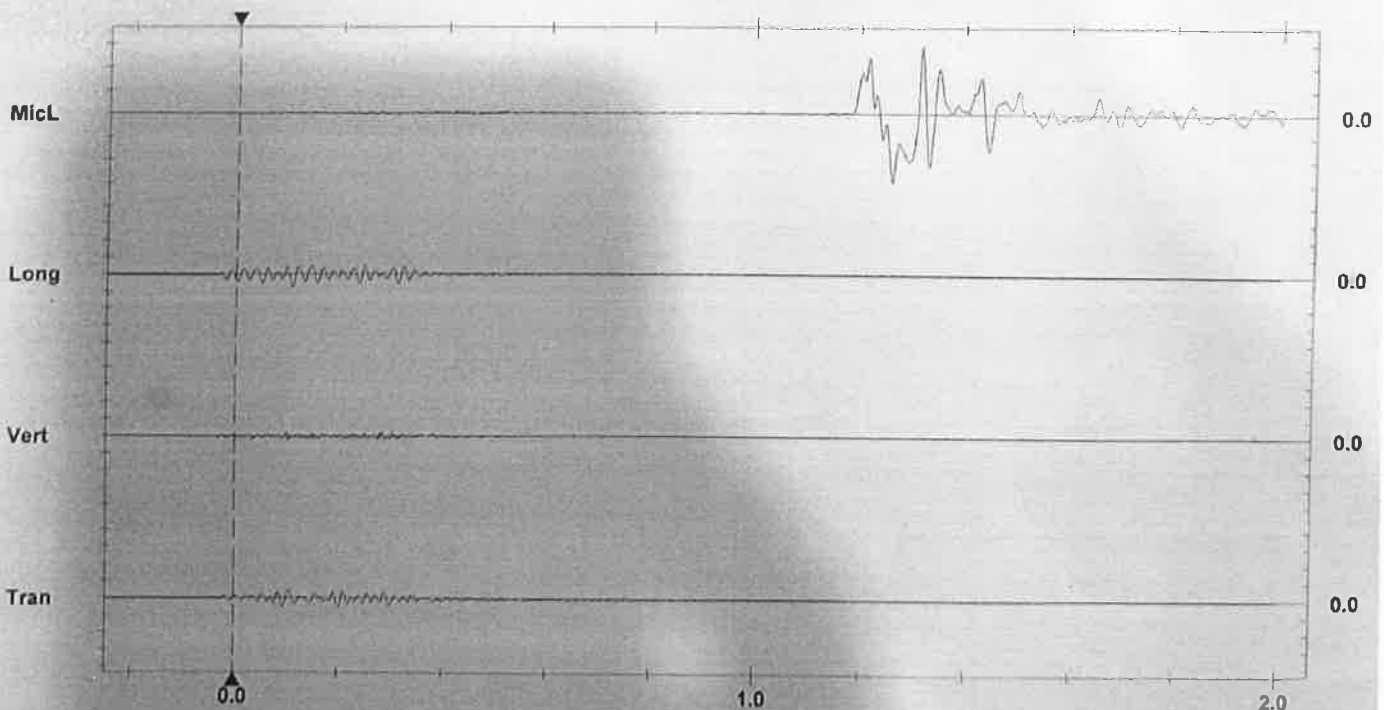
	Tran	Vert	Long	
PPV	1.119	0.544	1.537	mm/s
ZC Freq	45	102	41	Hz
Time (Rel. to Trig)	0.095	0.302	0.109	sec
Peak Acceleration	0.036	0.046	0.039	g
Peak Displacement	0.011	0.001	0.012	mm
Sensor Check	Passed	Passed	Passed	

**Peak Vector Sum** 1.794 mm/s at 0.108 sec

## DGMS India (A)



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



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



Date/Time Long at 03:01:14 September 7, 2020  
 Trigger Source Geo: 0.700 mm/s, Mic: 120.0 dB(L)  
 Range Geo: 254.0 mm/s  
 Record Time 2.0 sec at 2048 sps  
 Job Number: 1  
 Operator/Setup: Operator/SHREE LIMESTONE MINES MMB

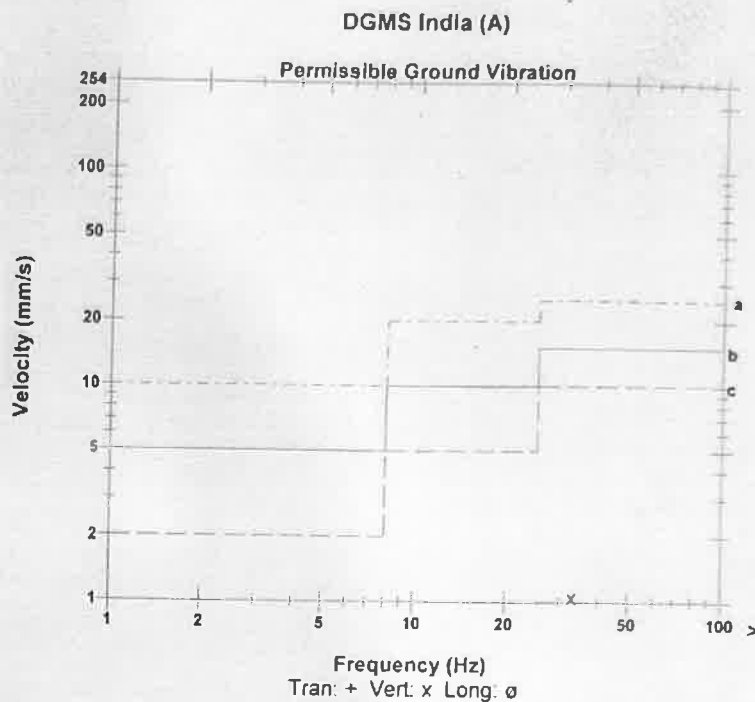
Serial Number UM12333 V 10-87 Micromate ISEE  
 Battery Level 3.4 Volts  
 Unit Calibration October 28, 2017 by UES New Delhi  
 File Name \_TEMP EVT

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

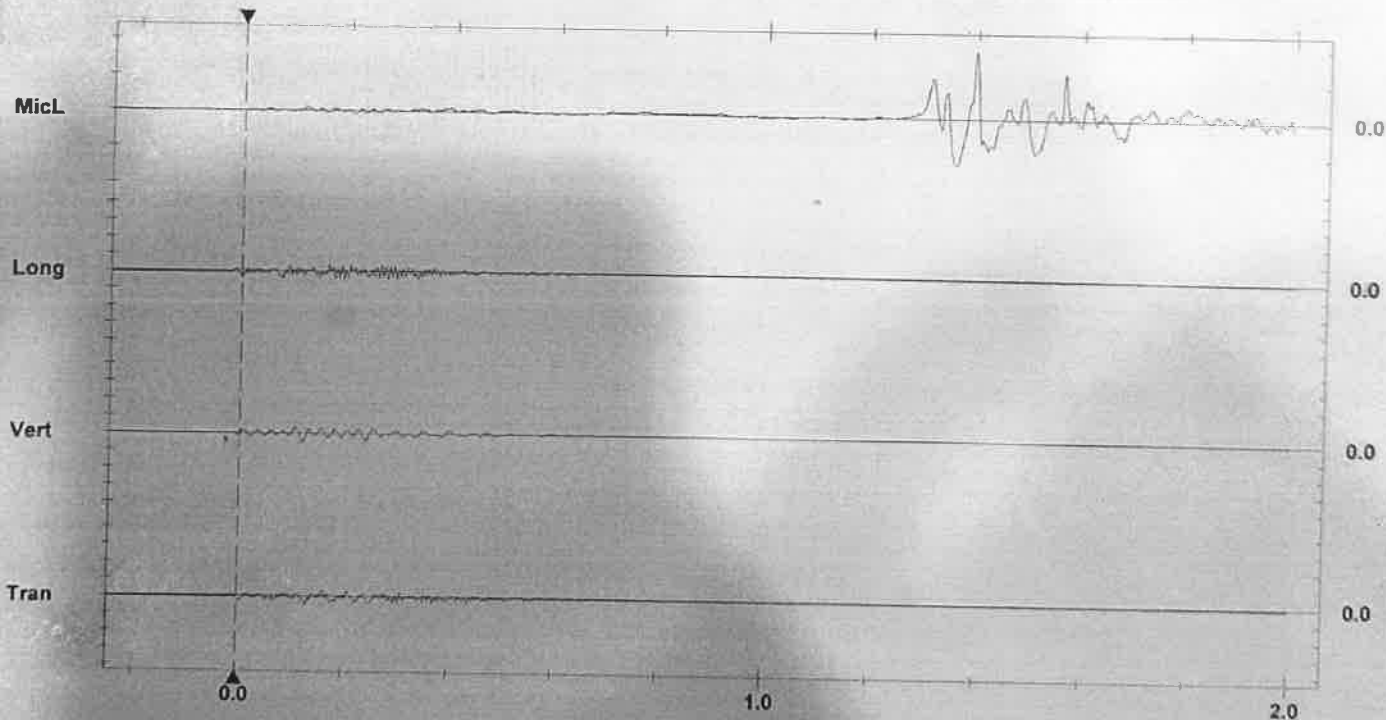
Microphone Linear Weighting  
 PSPL 113.5 dB(L) at 1.397 sec  
 ZC Freq 22 Hz  
 Channel Test Passed (Freq = 19.7 Hz Amp = 1178 mv)

	Tran	Vert	Long	
PPV	0.985	1.056	0.859	mm/s
ZC Freq	24	33	34	Hz
Time (Rel. to Trig)	0.130	0.120	0.078	sec
Peak Acceleration	0.038	0.023	0.063	g
Peak Displacement	0.011	0.005	0.011	mm
Sensor Check	Passed	Passed	Passed	

Peak Vector Sum 1.123 mm/s at 0.119 sec



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



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

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

क्रमांक 2677/तीन-1/डीजीपीएस/2018

बलौदाबाजार दिनांक 18/07/2018

प्रति,

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

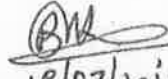
विषय:- Submission of DGPS Survey Report and Geo-Referencing cadastral maps as IBM Circular no. 2/2010 for Mining Lease area of M/s Shree Cement Ltd namely Semaradih and Bharuwadhi Limestone Mine (Lease Area 531.126 Hac)

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

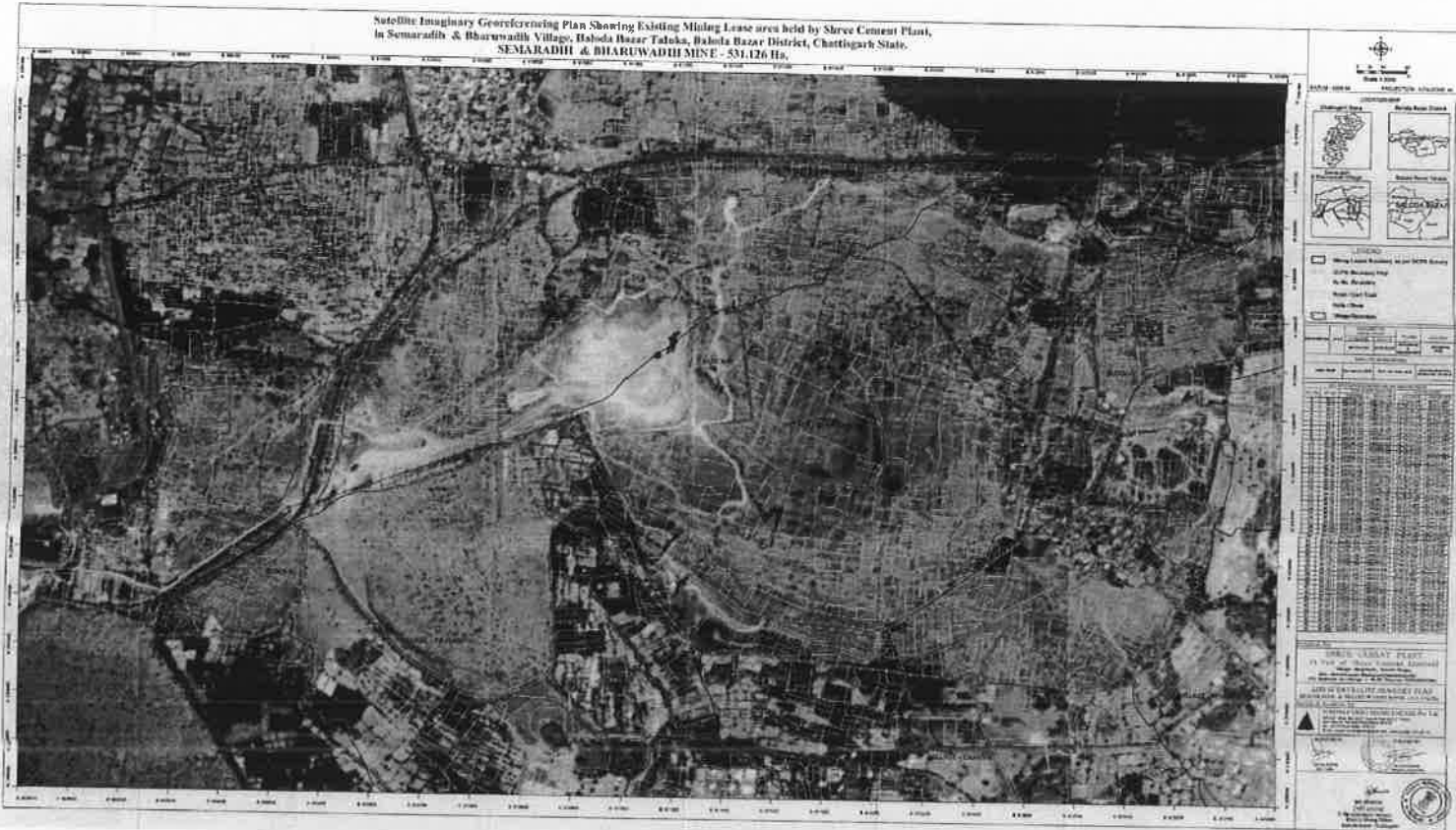
—0—

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

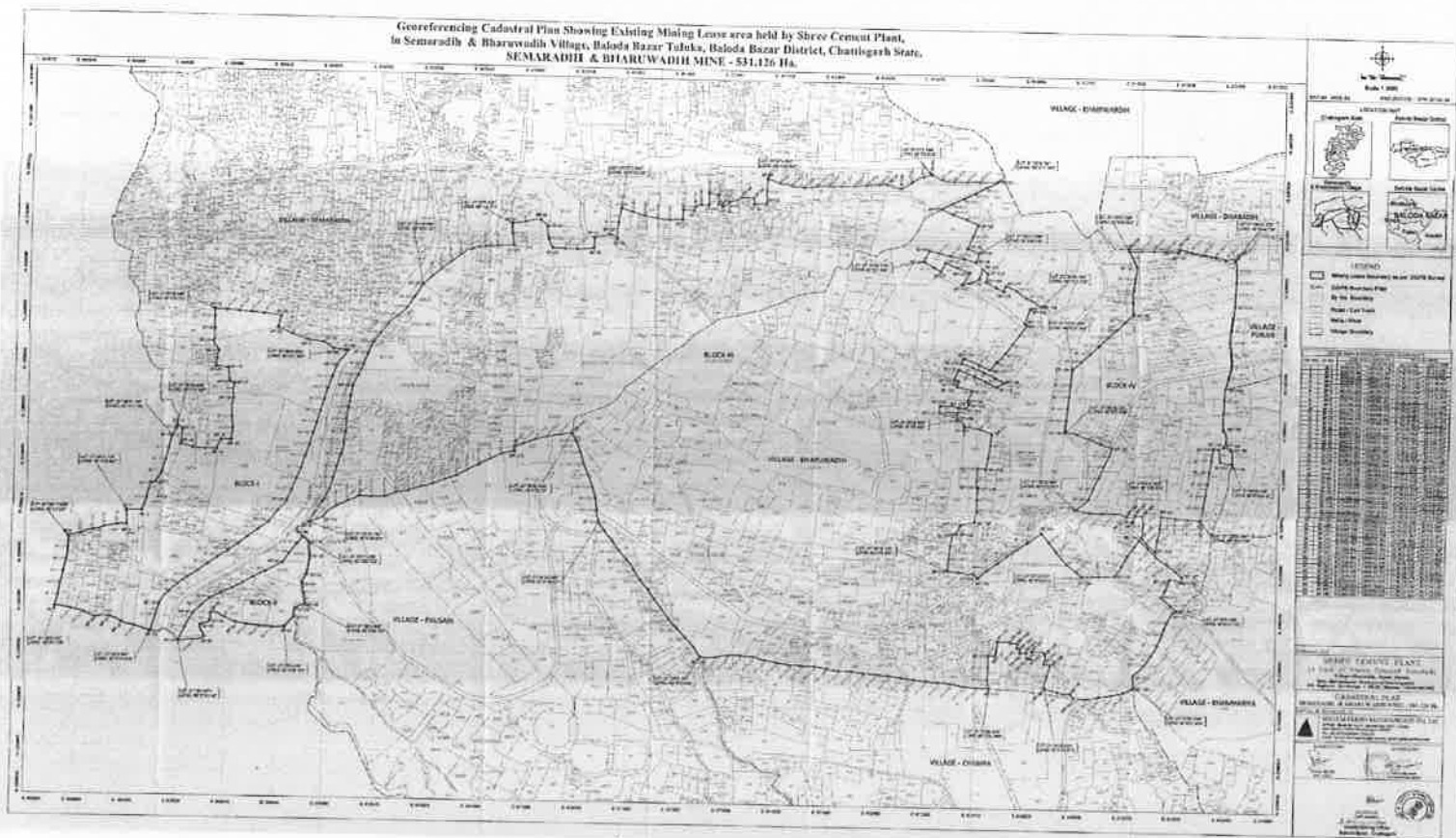
संलग्न:-उपरोक्तानुसार

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

Satellite Imaginary Georeferencing Plan Showing Existing Mining Lease area held by Shree Cement Plant, in Semaradili & Bharuwadili Village, Bahola Bazar Taluka, Bahola Bazar District, Chattisgarh State.  
SEMARADILI & BHARUWADILI MINE - 531.176 Ha.



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



**Shree Raipur Cement Plant**  
**(A Unit of Shree Cement Ltd)**  
**Ambient Noise monitoring report**

**Prescribed Limit - Day Time - 75 dB(A), Night Time - 70 dB(A)**

S.No.	Location →	AAQMS-1(Near Bharuadih) (SE)		AAQMS-2 (Near Semaradih) (NE)		AAQMS-3 ( Near RMS) ( SE)		AAQMS-4 (Near Kharpradih) (SW)	
	Month ↓	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
1	Apr-20	58	42	59	43	57	41	55	40
2	May-20	60	45	56	42	61	44	59	42
3	Jun-20	62	44	55	40	61	42	62	45
4	Jul-20	60	40	52	37	60	46	59	43
5	Aug-20	58	43	60	40	58	43	60	40
6	Sep-20	58	40	59	41	63	48	64	47

*Amulya*

## कार्यालय वनमण्डलाधिकारी बलौदाबाजार, वनमण्डल बलौदाबाजार

✉ Email:- dfo\_balodabazar@rediffmail.com ☎ 07727-223526



क्रमांक / व.त.अ. / खनिज / 3078

बलौदाबाजार, दिनांक 06/08/2018

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

पृ० क्रमांक / व.त.अ. / खनिज / 3580

बलौदाबाजार, दिनांक 06/08/2018

प्रतिलिपि :-

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

वनमण्डलाधिकारी

बलौदाबाजार वनमण्डल, बलौदाबाजार

Shree Raipur Cement Plant		
(A unit of Shree Cement Limited), Khapradih, Distt- Balodabazar		
CSR Work Done (April 2020 to September 2020)		
S No	Particulars of CSR activity undertaken	Expenditure (in Rupees)
A	<u>Eradicating hunger, poverty and malnutrition, promoting preventive health care and sanitation and making available safe drinking water</u>	55,21,176
B	<u>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)</u>	0.0
C	<u>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</u>	0.0
D	<u>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</u>	0.0
E	<u>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;</u>	0.0
F	<u>Training to promote rural sports, nationally recognized sports, Paralympic sports and Olympic sports</u>	0.0
G	<u>Rural development projects</u>	1,86,137
H	<u>Overheads related to CSR activities (maximum upto 5% of total CSR expenses)</u>	13,59,661
	<b>TOTAL EXPENDITURE</b>	<b>70,66,974</b>



**Expenditure incurred on the mines environment protection measures - April-2020  
to September-2020**

SN	Work	Amount (Lakh)
1	Plantation	27
2	3000mHDP pipe + 3nos water tank	6.12
3	Water sprinkling	10.56
4	Vacuum Sweeping m/c	1.96
5	Env. Monitoring	13.00
6	Consent fees/Charges	2.55
7	Technical consultancy charges	10.58
8	Bag filter maintenance	7.5
9	water used in Wet drilling	5.5
Total		84.77



रायपुर, शुक्रवार 7 अप्रैल 2017  
haribhoomi.com

## देश-विदेश चरित्रम 03



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 धीरे 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 कन्न्ड' सीजन-4 के विजेता रहे प्रथम ने



बैंगलूरु 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।

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

एजेन्सी ► 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 एएसआई 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 कवायद संगमरमरी इमारत को प्रदूषण और गंदगी से बचाने के लिए की जा रही है।

एक-एक इट से पाटी को खड़ा किया, हमारे लिए यह नई है। खास अवसर पर योगेश भाजपा अध्यक्ष अभित साह सिंह भाजपा कार्यालय पर उन्होंने पंडित दीनदयाल उपाध्याय प्रतिमा पर माल्यापूर्ण किया। इस में भाजपा की शानदार जीत स्थापना दिवस और खास उन्होंने कहा कि यह गौरव की है भारत और समाज के सभी वर्गों ने भाजपा पर भरोसा जताया है। कार्यकर्ताओं को मंत्र देते हुए पार्टी के लोकसभा और राज्य सभा सांसद आज पार्टी स्थापना पर अपने लोकसभा क्षेत्र या अलाया दूसरे लोकसभा क्षेत्र या एक दिन और एक रात बिताएं।

### संसद परिसर बजा अलार्म,

एजेन्सी ► नई दिल्ली

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

अलार्म बजने लगा गया। सुरक्षा जवानों ने इंट से अपनी प्रोजेक्शन संभाल ली। ऐसे अलार्म सुन कर

सांसद भी घबरा गए। दरअसल ऐसा अलार्म किसी हमले के मद्देनजर बजता 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

अन्य विषयों पर अभिप्राय दें।  
नैतिकता का अप्रतिम द्वारा रोग को और भी जाटिल व कष्टदायक न बनाएं।  
नैतिक को- निरोग आर्यवेदिक सेंटर हमीरपुर, हिमाचल प्रदेश, 94594-92921  
94594-92922, 94594-92923, 94594-92924, www.nirogayurvedic.com

### मेसर्स श्री सीमेन्ट लिमिटेड

श्री रामपुर सीमेंट प्लांट  
बन - केहराडी एवं भलगाडी, तहसील - बलोदाबाजार  
जिला - बलसोडर - भारत (छत्तीसगढ़)

#### सार्वजनिक सूचना

श्री सीमेन्ट लिमिटेड के बूना स्थित कारखाने की छान - केहराडी एवं भलगाडी, तहसील - बलोदाबाजार, जिला - बलसोडर - भारत, छत्तीसगढ़ में स्थित है, की क्षमता विस्तार 4.8 मिलियन टन प्रतिवर्ष से 8.6 मिलियन टन प्रतिवर्ष की पर्यावरण स्वीकृति भारत सरकार के कानून, इन एवं बलदाबु परिसर में मंत्रालय नई दिल्ली द्वारा प्रमाणित स्वीकृति पर क्रमांक F.No. J-11015/159/2014-IA. II (M) दिनांक 28-07-2017 को दी गई है तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की वेबसाइट [environmentclearance.nic.in](http://environmentclearance.nic.in) पर दिनांक 06 अप्रैल 2017 को अपलोड कराई गई है।

संबंधित पर्यावरण को नुकसान न हो सके पर्यावरण संरक्षण मण्डल, रायपुर पर नज़र रहे तथा श्री सीमेन्ट लिमिटेड की वेबसाइट "www.shreecementltd.in" पर भी अपलोड है।



करिमा कपूर  
रक्षा अधिकारी

### क्या आप जानते हैं?

हमारे बाल हस्तोज विविध प्रकार के सुख प्रहारों को जेलते हैं? जैसेकी



हमें UV किरणें, बार बनाने की प्रक्रिया, केमिकल प्रोसेस, और बालों को ठंडा करने के लिए गर्म पानी का उपयोग।

इन सब समस्याओं के शिकार हैं? जैसेकि बालों का झड़ना, रुख-मेजान, जलन, खुद बाल बंदी आप अपने बालों को इन समस्याओं से बचाना चाहते हैं? सलाह देंगे पोषण देकर उन्हें मजबूत बनावा

सम्पूर्ण भारतीय

बाल हस्तोज | हेमिन्ट रीट | विदाल जॉन्स रीट

- झड़ते बाल
- कमजोर बाल
- रुखे एवं बेजान बाल
- रुसी

जो दिल्ली से है मंडीबुजार अर्ना, कम उम्र में ही बालों को झड़ना शुरू कर दिया है, बालों के झड़ने पर ऐसा अवस्था को ठीक करने के लिए हमें चाहिए। अब बालों को

## BRIEFS

## Fresh case against Bhusan for tweet on Lord Krishna

MUZAFFARNAGAR, Apr 6 (PTI)

## LAWYER-POLITICIAN

Prashant Bhusan 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?" Bhusan 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

## Ch may hi Expert

Quoted, US Embassies around the world started accepting next year's petitions from April 3. "In the past years, we have seen that H-1Bs (65,000 regular quota plus 20,000 for masters degree) fill within a couple of weeks, and higher scrutiny this might mean, the agencies report added. In the past, given the recent IT boom, it is safe to assume that application larger Indian IT would be significantly in the low-price buckets.

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



Members of the Naxalite group clashed last year, in Mathur, killed in an armed conflict.

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 सीमेन्ट लिमिटेड

श्री रायपुर सीमेंट प्लांट

ग्राम - सेमहराडीह एवं भरुवाडीह, तहसील - बलौदाबाजार जिला - बलौदाबाजार - भाटापारा (छत्तीसगढ़)

## सार्वजनिक सूचना

सर्व साधारण को सूचित किया जाता है कि मेसर्स श्री सीमेन्ट लिमिटेड के बूना पर्यार खदान जो कि ग्राम - सेमहराडीह एवं भरुवाडीह, तहसील - बलौदाबाजार, जिला - बलौदाबाजार - भाटापारा, छत्तीसगढ़ में स्थित है, की क्षमता विस्तार 4.8 मिलियन टन प्रतिवर्ष से 8.8 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 वेबसाइट [www.environmentclearancenc.nic.in](http://www.environmentclearancenc.nic.in) पर दिनांक 08 अप्रैल 2017 को उपलब्ध कराई गई है।

पर्यावरण स्वीकृति पत्र की प्रतिलिपि छत्तीसगढ़ पर्यावरण संरक्षण मण्डल, रायपुर पर उपलब्ध है तथा श्री सीमेन्ट की वेबसाइट "[www.shreecementltd.in](http://www.shreecementltd.in)" पर भी उपलब्ध है।

CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.					
PUBLIC NOTICE					
Chhattisgarh State Power Distribution Company Limited has submitted petition for true-up of FY 2015-16, re-determination of ATR for 2017-18 and Rate of tariff for FY 2017-18 before the Hon'ble Chhattisgarh State Electricity Regulatory Commission. The Hon'ble Commission is in the process of review of matters submitted and under review of the Electricity Act, 2003 determined the LT & HT tariff for FY 2017-18 as per tariff Order dated 31-03-2017. The tariff is applicable with effect from 01-04-2017, which is being issued.					
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, including 300 Consumers	41-200 units	1.80 per unit	1.20	Three phase- Rs. 120/- p.m.
	Domestic	201-500 units	1.40 per unit	2.00	
	Domestic	501 and above	4.90 per unit	2.55	
LV-2	Domestic	0-100 units	Rs. 75 per kWh per month up to 3 kWh and	1.75	Fixed charge is monthly minimum charge
	Domestic	101-500 units	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-3	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-4	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-5	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-6	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-7	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-8	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-9	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-10	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-11	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-12	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-13	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-14	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-15	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-16	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-17	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-18	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-19	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-20	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-21	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-22	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-23	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-24	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-25	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-26	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-27	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-28	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-29	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-30	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-31	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-32	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-33	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-34	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-35	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-36	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-37	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-38	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-39	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-40	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-41	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-42	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-43	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-44	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-45	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-46	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-47	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-48	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-49	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-50	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-51	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-52	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-53	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-54	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-55	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-56	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-57	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-58	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-59	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-60	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-61	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-62	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-63	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-64	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-65	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-66	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-67	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-68	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-69	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-70	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-71	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-72	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-73	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-74	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-75	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-76	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-77	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-78	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-79	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-80	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-81	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-82	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-83	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-84	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-85	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-86	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-87	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-88	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-89	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-90	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-91	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-92	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-93	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-94	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-95	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-96	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-97	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-98	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-99	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	
LV-100	Domestic	501 and above	Rs. 115 per kWh per month above 3 kWh	2.00	



SHREE RAIPUR CEMENT PLANT (A UNIT OF SHREE CEMENT LTD.)			
VILL: KHAIRABATHI, PIN: 516001, DIST: BALASOBA, BHARATPUR, CHHATTISGARH-473002			
DETAILS OF INFORMATION RELATED TO AIR, WATER AND HAZARDOUS WASTE GENERATION			
NAME OF THE INDUSTRY/FACILITY WITH CONTACT DETAILS: SHREE RAIPUR CEMENT PLANT (A UNIT OF SHREE CEMENT LTD.)			
CONTACT: SH. R. K. VIJAY (J.M.P. - OPERATIONS)			
DATE OF UPDATE OF DISPLAY:			
DETAILS OF UPDATE/CONSENT TO OPERATE AND AUTHORIZATION WITH VALIDITY:			
DETAILS OF OPERATIONAL STATUS: OPERATIONAL			
PRODUCTION DETAILS: CLINKER-5.2 MTPA, CEMENT-3.0 MTPA, CFP-25 MM LIME STONE-8.6 MTPA			
PRODUCTS MANUFACTURED (INCLUDING RECYCLING/UTILIZATION)	DETAILS OF HAZARDOUS CHEMICALS USED WITH QUANTITY AND PURPOSE	TYPE OF WASTE GENERATED WITH CATEGORY AS PER HWM RULES 2016	QUANTITY OF WASTE GENERATED AND DISPOSED
CLINKER	HYDROLYZABLE WASTE (HW)	USED/SPENT OIL	AUTHORIZED QTY
CEMENT	HYDROLYZABLE WASTE (HW)	CAT - S-1	QTY/YEAR
CFP	HYDROLYZABLE WASTE (HW)		QTY/STAGE
WASTES	PLANT WASTE (HW)		QTY/STAGE
LIME STONE MINES	PLANT WASTE (HW)		QTY/STAGE
AIR EMISSIONS:			
SHED OF AIR POLLUTION (EXHAUST/CHIMNEY) WITH CAPACITY IN M3/H TYPE OF FUEL	TYPE OF POLLUTANT/CONCENTRATION (PPM/PPB) WITH STACK HEIGHT	POLLUTANTS MONITORED	MONITORED W/TH AIR POLLUTION (PM, CO, SO <sub>2</sub> , NO <sub>x</sub> ETC.)
CLINKER MILL STACK UNIT-1	BAGHOUSE STACK HT. 60M	PM	30,000,000
CLINKER MILL STACK UNIT-2	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-3	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-4	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-5	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-6	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-7	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-8	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-9	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-10	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-11	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-12	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-13	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-14	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-15	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-16	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-17	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-18	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-19	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-20	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-21	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-22	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-23	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-24	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-25	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-26	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-27	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-28	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-29	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-30	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-31	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-32	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-33	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-34	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-35	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-36	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-37	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-38	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-39	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-40	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-41	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-42	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-43	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-44	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-45	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-46	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-47	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-48	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-49	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-50	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-51	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-52	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-53	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-54	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-55	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-56	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-57	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-58	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-59	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-60	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-61	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-62	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-63	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-64	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-65	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-66	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-67	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-68	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-69	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-70	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-71	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-72	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-73	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-74	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-75	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-76	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-77	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-78	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-79	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-80	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-81	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-82	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-83	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-84	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-85	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-86	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-87	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-88	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-89	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-90	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-91	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-92	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-93	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-94	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-95	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-96	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-97	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-98	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-99	BAGHOUSE STACK HT. 60M	PM	30
CLINKER MILL STACK UNIT-100	BAGHOUSE STACK HT. 60M	PM	30

Photo no. 01 – Showing display board



Photo no. 02 – Showing Plantation



Photo no. 03 – Showing Plantation

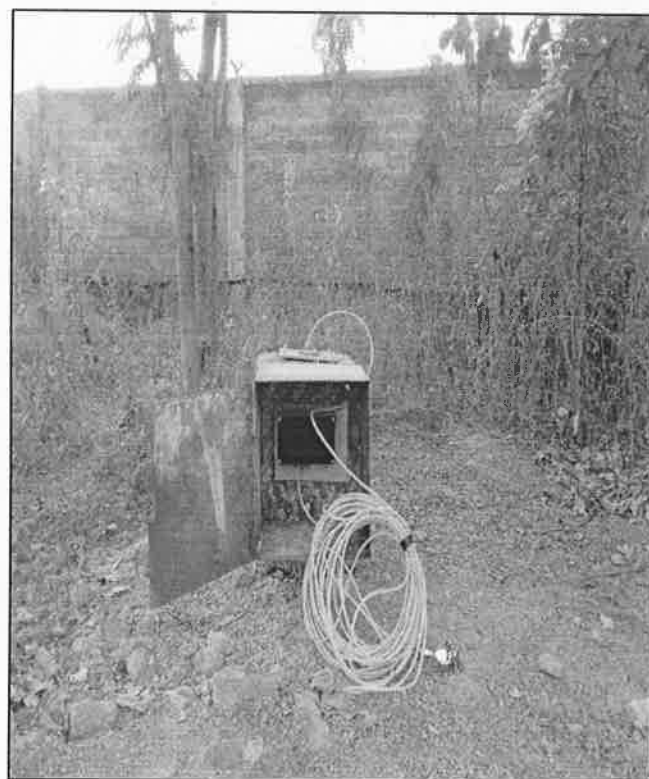


Photo no. 04 – Showing Piezometer

*Amul*



**Photo no. 05 – Showing Mines Pit RWH**



**Photo no. 06– Showing Pipe conveyer system**

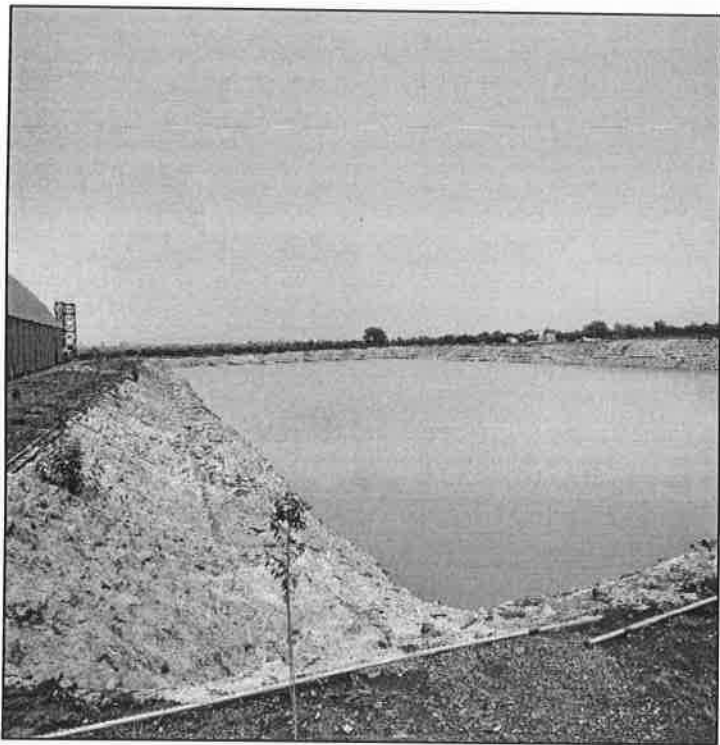


**Photo no. 07 – Showing Concrete Road**

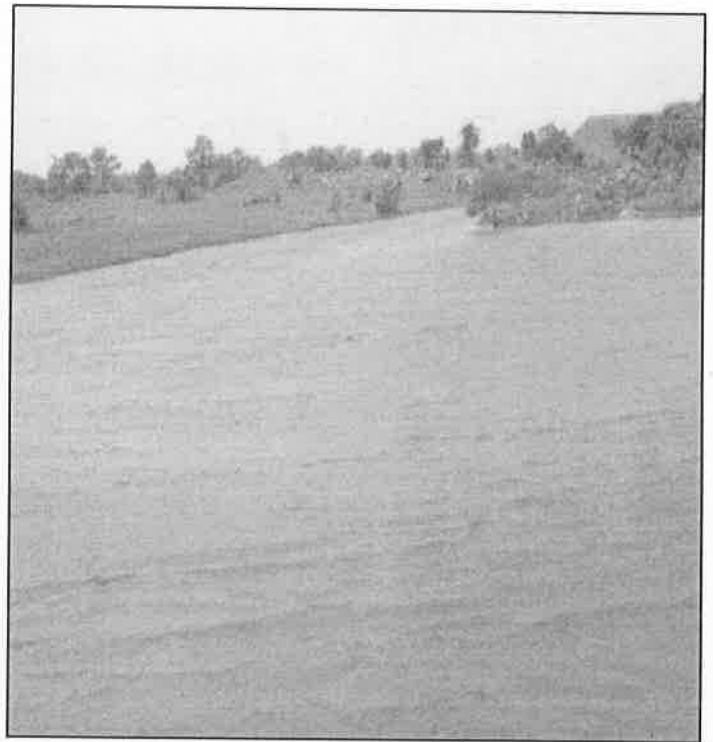


**Photo no. 08 – Showing RWH pond -1**

*Amulya*



**Photo no. 9 – Showing RWH pond-2**



**Photo no. 10-Showing RWH pond mines**



**Photo no. 11 – Showing Pond Village Chandi**



**Photo no. 12 – Showing Pond SRCP Colony**

*Ames*



**Photo no. 13 – Showing waste dump plantation**

*Amulya*