



# 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/BB/ 2017-18/23

Date: - 15/05/2017

To,  
**The Director**  
Regional office, (WCZ),  
Ministry of Environment & Forest,  
Ground Floor, East Wing, New Secretariate Building  
Civil Lines, Nagpur - 440001, (M.H)

**Sub:- Regarding compliance for the period October, 2016 to March, 2017 to the conditions of Environment Clearance for Green Field Integrated Cement Plant (Shree Raipur Cement Plant): Clinker 3.0 MTPA, Cement- 5.2 MTPA, Captive Power Plant- 2\*25 MW and Limestone Mining- 4.8 MTPA, (ML area 531.126 ha.) located near village Khaparadih, Semaradih & Bharuwadih, Tehsil - Simga & Balodabazar in District - Baloda Bazar - Bhatapara (Chhattisgarh) by Shree Raipur Cement Plant (A unit of Shree Cement Limited).**

Ref: - Environment Clearance Letter No. J-11011/235/2008- IA II (I) dated 7th March 2011, 1st June, 2011 & 4th Feb, 2015.

Dear Sir,

In reference to the above subject matter & reference letter, it is submitted herewith the point wise Half Yearly compliance status for the period of October, 2016 to March, 2017 is enclosed herewith for your kind perusal please.

Hope you will find this in order.

Thanking you.

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

  
**R. K. Vijay**  
**AVP (Operations)**



**Enclosures: Compliance status Report period October-2016 to March-2017.**

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, Commercial complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (Chhattisgarh).



**Environment Clearance compliance Status report Period from October -2016 to March-2017**

**Name of Project:** Shree Raipur Cement Plant (A unit of Shree Cement Ltd)

**Capacity & Location:** 2\*1.5 Million TPA Clinker, 2\*2.6 million TPA Cement, 15 MW Waste Heat Recovery Power Plant, 2\*25 MW Captive Power Generation Near Village Khapradih, Tehsil-Simga, Dist.-Raipur (Chhattisgarh) and 4.8 MTPA Limestone Mine (531.126 ha) near village Semaradih and Bharuwadih in Tehsil & District Balodabazar, (Chhattisgarh).

**EC letter No.** J-11011/235/2008- IA II (I) dated 7th March 2011, amended on 1st June, 2011 & 4th Feb, 2015.

**Specific Conditions:**

Sr.No.	Condition	Compliance
I	No construction work without approvals from IBM and State Govt. of Chhattisgarh. A copy of mine lease approval from IBM and State Govt. of Chhattisgarh shall be submitted to the Ministry and its Regional Office before initiating any construction work at site related to mining.	Mining lease executed on 11 <sup>th</sup> January 2011 and registered on 12 <sup>th</sup> January 2011 by the State Govt. of Chhattisgarh. Mining Plan has been approved by IBM.
II	Rehabilitation and Resettlement Plan for the project affected population shall be implemented as per the policy of the State Govt. in consultation with the State Govt. of Chhattisgarh. Compensation paid in any case shall not be less than the norms prescribed under the National Resettlement and Rehabilitation Policy, 2007.	Land has been acquired with mutual agreement & as per norms. There is no any rehabilitated from the project site.
III	Continuous monitoring system to monitor gaseous emissions shall be provided and limit of SPM should be controlled within 50 mg/Nm <sup>3</sup> by installing adequate air pollution control system and energy efficient technology.	Opacity meters have been installed for the continuous monitoring of dust particulate matter at the stack of kiln, cement mill, coal mill, clinker cooler & CPP ESP. Continuous emission monitoring system (CEMS) at Raw mill & kiln and CPP ESP stack has been installed for on line measurement of SO <sub>2</sub> & NO <sub>x</sub> . Data of Stack Monitoring Report are enclosed as <b>Annexure - 1.</b>
IV	Possibilities shall be explored for the utilization of gases generated from the kiln in waste heat recovery boiler (WHRB).	WHRB has been installed with clinker unit to utilized waste heat for waste heat power generation.
V	Data on ambient air quality (PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> ) shall be regularly submitted to the Ministry including its Regional office and the	4 numbers of AAQMS have been installed at the boundary of plant and mine for the measurement of PM <sub>2.5</sub> , PM <sub>10</sub> , CO, SO <sub>2</sub>

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	<p>State Pollution Control Board / Central Pollution Control Board once in six months. The critical parameters such as PM10, NOx in the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation, whichever is closer shall be monitored periodically.</p> <p>Quality of discharged water shall also be monitored [(TDS, DO, pH) and total Suspended solids (TSS)].</p> <p>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.</p>	<p>and NOx level. Data of AAQMS report enclosed as <b>Annexure – 2</b>.</p> <p>Two STP capacity 40 KL/day each, has been installed &amp; being operated. Treated effluent being used in green belt development. No residential colony establish at the site yet. STP water monitoring report enclosed as <b>Annexure - 3</b>.</p> <p>Online emission data are being displayed at the plant main gate also available at the web site of the company.</p>
VI	The Company shall install low NOx burner with Kiln/calcliner for control of NOx emissions as per CPCB norms	Pyro-jet burner has been installed to reduce NOx in the process.
VII	Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.	<p>Following measures have been taken for control of fugitive emission:</p> <ol style="list-style-type: none"> <li>1. Silo for storage of clinker and fly ash,</li> <li>2. Covered storage for gypsum</li> <li>3. Water spray for limestone and coal &amp; pet coke unloading and storage</li> <li>4. Pucca roads and vacuum sweeping</li> <li>5. Bag filters at all material transfer points.</li> <li>6. Good housekeeping.</li> </ol>
VIII	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.	4 numbers of AAQMS have been installed for the measurement of PM2.5, PM10, CO, SO <sub>2</sub> and NOx level. AAQMS report enclosed as <b>Annexure – 2</b> .
IX	Asphalting/concreting of roads and water spray all around the critical areas prone to air pollution and having high levels of SPM and RPM should be ensured.	Cemented roads have been constructed in plant area.
X	Efforts should be made to reduce impact of the transport of the raw materials and end products on the surrounding environment	Transportation of fly ash is being done in closed trucks / bulkers.

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	including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored.	
XI	Rainwater harvesting measures should be adopted for the augmentation of ground water at cement plant, colony and mine site. The company must also collect rain water in the mined out pits of captive limestone mine and use the same for the various activities of the project to conserve fresh water.	<ol style="list-style-type: none"> <li>1. Earthen pit of 1.0 Lakh KL capacity has been developed in plant area for storage of rain water.</li> <li>2. One more earthen pit of 1.0 Lakh KL capacity being developed in plant area for storage of rain water.</li> <li>3. Earthen pit of 2.5 Lakh KL capacity has been developed in mines area for storage of mine pit &amp; rain water.</li> </ol>
XII	The project proponent shall ensure that no natural water course shall be obstructed due to any mining operations.	No natural water course will be obstructed due to any mining operations.
XIII	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.	Catch drains and siltation pond has been constructed for working pit to collect rain water and being utilized.
XIV	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps 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 should be constructed at the corners of the garland drains and desilted at regular intervals.	Garland drain along with sedimentation pits has been constructed along with dump site.

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XV	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around project area in consultation with Regional Director, Central Ground Water Board. The frequency of monitoring should be four times a year- pre-monsoon (April / May), monsoon (August), post-monsoon (November), and winter (January). Data thus collected shall be sent at regular intervals to Ministry of Environment and Forests and its Regional Office at Bhopal, Central Ground Water Authority and State Ground Water Board.	Regular monitoring of ground water level and quality are being carried out by establishing a network of existing wells and constructed new piezometers. Ground Water monitoring Report is enclosed herewith as <b>Annexure - 4</b> .
XVI	Dimension of the retaining wall at the toe of inter burden dumps and inter burden benches within the mine to check run-off and siltation should be based on the rain fall data.	Over burden benched developed. But height of the dump is less than 10 meter it is vegetated & planted. It is stabilized.
XVII	Suitable conservation measures to augment ground water resources in the area shall be planned and implemented in consultation with Regional Director, Central Ground Water board.	<ol style="list-style-type: none"> <li>1. Earthen pit of 1.0 Lakh KL capacity has been developed in plant area for storage of rain water.</li> <li>2. One more earthen pit of 1.0 Lakh KL capacity being developed in plant area for storage of rain water.</li> <li>3. Earthen pit of 2.5 Lakh KL capacity has been developed in mines area for storage of mine pit &amp; rain water.</li> </ol> <p>Apart from above, additional rain water harvesting measures are under implementation.</p>
XVIII	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing.	Bag filter dust, raw meal dust, coal dust, clinker dust and cement dust collected from pollution control devices being recycled in process.
XIX	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.	Proposed to use Acid Tar sludge & tyre chips the high calorific hazardous waste available in the area as alternate raw material and fuel after getting state board authorization. Applications for obtaining co-processing authorization have been submitted to the State board. Presently It is under process.
XX	Efforts shall be made to use low grade lime,	Low grade lime stone of mine is blended



	more fly ash and solid waste in the cement manufacturing.	with good quality of limestone. Fly ash is utilized for manufacturing of PPC.
XXI	All the fly ash shall be utilized as per Fly Ash Notification, 1999 subsequently amended in 2003 and 2010. Efforts should be made to use fly ash maximum in making Pozzollona Portland Cement (PPC)	Fly ash is being utilized for making PPC.
XXII	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhopal, CSPCB and CPCB.	Submitted along with EIA / EMP report.
XXIII	Blasting operation shall be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Blasting operation being carried out only during the daytime. Latest controlled blasting technique using shock tube detonator (Downline detonator in combination with trunk line detonators.) is used with rock breakers to reduce fly rock, vibration and dust emission.
XXIV	Wet drilling blasting method and provision for the control air emissions during blasting using dust collectors etc. shall be used.	Wet drilling and dry drilling with dust extractor arrangement being used.
XXV	Bench height, width and slope for individual bench should be properly assessed and implemented. Adequate measures should be adopted to stabilize the slope before abandonment. The fencing around the reservoir shall be provided to prevent accidents.	Bench and Width being maintained according to DGMS permission. Adequate measures will be adopted to stabilize the slope before abandonment. Fencing work has been completed around mining lease area.
XXVI	Action plan for the mining, management of over burden (removal, storage, disposal etc.), reclamation of the mined out area and mine closure shall be submitted to the Ministry and its Regional Office at Bhopal.	Mining plan and mine closure plan have been submitted.
XXVII	The inter burden and other waste generated should be stacked at earmarked dump site(s) only and should not be kept active for long period. The total height of the dumps should not exceed 30 m in three terraces of 10 m each and the over all slope of the dump should be maintained to 28°. The inter burden dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Bhopal on six monthly	The waste generated will be stacked at earmarked dump site(s) only. Total height of the dumps will be 30 m in three terraces of 10 m each and the overall slope of the dump will be 28°. Plantation being done on dumps. An earlier Half yearly Compliance status report period from – Oct-15 to March-16, has been sent thru courier on as well as mail on dated 12.05.2016 & dated 07.05.2016 respectively.

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	basis.	
XXVIII	The project proponent shall modify the mine plan of the project at the time of seeking approval for the next mining scheme from the Indian Bureau of Mines so as to reduce the area for external over burden dump by suitably increasing the height of the dumps with proper terracing. It should be ensured that the overall slope of the dump does not exceed 28°.	Shall be considered in next mining plan
XXIX	The void left unfilled in the mining area shall be converted into water body. The higher benches of excavated void/mining pit should be terraced and plantation done to stabilize the slopes. The slope of higher benches should be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.	The void left unfilled in the mining area will be converted into water body. The higher benches of excavated void/mining pit will be terraced and plantation shall be done to stabilize the slopes. The slope of higher benches will be made gentler for easy accessibility by local people to use the water body. Peripheral fencing will be carried out along the excavated area.
XXX	Top soil, if any, shall be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.	As per approved mining plan, top soil is being separate stacked and top soil also being used for plantation along mines lease boundary area.
XXXI	As proposed, green belt shall be developed in at least 33 % in cement plant and all the mined out area except used for reservoir.	<p>Green belt in 33% of plant area shall be achieved within 5 years i.e till 2018-19.</p> <p>55,158 saplings have been planted at various locations in the plant premises covering about 31.7 ha land for green belt development within the plant premises.</p> <p>Plantation in mine area shall be developed in phased manner. At present, 125,632 plants have been planted in Mines area.</p> <p>Apart from this, we have planted about 2,00,000 numbers of hedging in various gardens developed in within plant premises.</p> <p>We have also planted 2000 trees near School of Bharuwadih, Semradih, Khapradih, Chandi, Karahi &amp; Parkidih villages and 13000 trees planted about 10 KM of both side of road plantation from Bharuwadih to chandi village under Hariyar Chhattisgarh project.</p>
XXXII	All the safety norms stipulated by the Director General, Mine & Safety (DGMS) should be implemented	All the safety norms stipulated by the Director General, Mine & Safety (DGMS) has been adopted & implemented.

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XXXIII	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.		All actions have been taken to comply with CREP recommendation.	
	S. No.	CREP Condition	Action Plan	
	1.	The new cement kiln to be accorded NOC/ Environmental Clearance w.e.f 1/4/03 will meet the limit of 50 mg/Nm <sup>3</sup> for particulate matter emission.	All Pollution Control Equipments are meeting particulate matter emission level as per norms given in Environment clearance.	
	2.	The cement industries will control fugitive emission from all raw material and product storage and transfer points by December 2003. However, the National Task Force will decide the feasibility for the control of fugitive emission from limestone and coal storage areas. The NTF shall submit its recommendations within months.	<p>Following measures have been taken:</p> <p>Silos for Clinker and Fly Ash and covered shed for Gypsum.</p> <p>Water spray arrangement at raw materials like limestone and coal and pet coke.</p> <p>Bag filters at all material transfer points.</p> <p>Covered conveyor belts.</p> <p>Cemented roads and vacuum sweeping.</p>	
	3.	Industries will submit the target date to enhance the utilization waste material by April 2003.	Use of fly ash for making of PPC.	
	4.	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Hazardous waste will be utilized after CPCB permission and SPCB authorization.	
	5.	Cement industries will carry out feasible study and submit target dates to CPCB co-generation of power by July-2003.	waste heat recovery system has been installed	
XXXIV	The company shall comply with the commitments made during public hearing held on 7th April, 2010 and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhopal.		All commitments made during the public hearing have been incorporated in CSR activities. All commitments made during the public hearing have been incorporated in CSR activities. An amount 101 lakh rupees has been incurred on socio-economic activities from October 2016 to	

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		<p>March 2017. Details enclose for CSR expenses as given in <b>Annexure- 5</b>.</p> <p>Following are the public hearing commitments:</p> <ol style="list-style-type: none"> <li>1. Land purchase with mutual agreement</li> <li>2. Preference to local people according to work knowledge</li> <li>3. Emission control measures have been taken.</li> <li>4. Need based CSR activities has been started.</li> </ol>
XXXV	At least 5 % of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	CSR budget is 5% of the total project cost for the period of mine life. Mine life is 28 years; project cost is Rs. 1100 Crores. CSR budget per year is Rs. 2.2 Crores.
XXXVI	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Housing, fuel, toilets with soak pits & septic tank, safe drinking water, medical healthcare etc have been provided to labors.

**General conditions:**

Sr.No.	Condition	Compliance
I	The project authority shall adhere to the stipulations made by Chhattisgarh Environment Conservation Board (CECB) and State Government.	Comply with the recommendation of Chhattisgarh Environment Conservation Board (CECB)
II	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Agreed.
III	At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of PM10, SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the SPCB.  Data on ambient air quality and stack emissions shall be regularly submitted to this	<p>4 numbers of AAQMS have been installed for the measurement of PM2.5, PM10, CO, SO<sub>2</sub> and NO<sub>x</sub> level.</p> <p>Data on ambient air quality and stack emissions being submitted to MoEF &amp;CC Regional Office and SPCB / CPCB once in</p>

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	Ministry including its Regional Office and SPCB / CPCB once in six months.	six months
IV	Industrial wastewater shall be properly collected and 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. The treated wastewater shall be utilized for plantation purpose.	Two STP capacity 40 KL/day each, has been installed & being operated. Treated effluent being used in green belt development. No residential colony has been established at the site yet.  RO reject water being reused for ash quenching and cement mill spray.
V	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Turbines, compressors have been installed in closed building.  Plantation has been done all around the plant boundary.  Proper maintenance and lubrication is being done of all machines to maintain the noise level. Noise monitoring report is enclosed as <b>Annexure - 6</b> .
VI	Proper housekeeping and adequate occupational health programmes shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained properly for at least 30-40 years. The programme shall include lung function and sputum analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.	Proper housekeeping of the entire plant is being maintained by engaging two road sweeping machine. Manpower is also engaged for cleaning work for plant & mine workshop area.  Occupational health programmes is going on and records being maintained by the OHC team.  Occupational health programmes is going on and records being maintained by the OHC team.  PPEs have been provided to all working at the site.
VII	The company shall undertake eco-development measures including community welfare measures in the project area.	Plantation in and around the plant area being done.
VIII	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	Environmental protection measures recommended in EIA/ EMP have been implemented.
IX	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	A separate environmental management cell with full fledged laboratory facilities has been developed.

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X	Adequate fund shall be allocated to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	Adequate fund are available for the implementation of the conditions stipulated by the Ministry of Environment and Forests as well as the State Government.
XI	The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.	Full cooperation is extended to the Govt authorities. We are regularly submitting half yearly Compliance reports. An earlier Half yearly Compliance status report period from – April-16 to September-16, has been sent thru Mail as well as courier on dated 24.10.16 & dated 25.10.2016 respectively. Courier receipt is enclosed as <b>Annexure - 7.</b>
XII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the CECB.	We are regularly submitting half yearly Compliance reports. An earlier Half yearly Compliance status report period from – April-16 to September-16, has been sent thru Mail as well as courier on dated 24.10.2016 & dated 25.10.2016 respectively. Courier receipt is enclosed as <b>Annexure - 7.</b>
XIII	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	<ol style="list-style-type: none"> <li>1. Date of start of project work is 28/08/2013. Financial closure shall be informed to the Regional Office and Ministry.</li> <li>2. 1<sup>st</sup> clinker grinding unit has been started on 24/02/2015.</li> <li>3. 1<sup>st</sup> clinker unit (Pyro processing) has been started on 20/05/2015.</li> <li>4. Erection work of 2<sup>nd</sup> clinker grinding unit and clinker unit (Pyro processing) has been started.</li> <li>5. Limestone mines Commissioned on 12.03.2015.</li> <li>6. Waste heat power plant commissioning &amp; generation on 23.07.2015.</li> <li>7. Captive Power Plant (CPP) has been started on 15/07/2016.</li> </ol>
XIV	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests. No change in the calendar plan including	No change in mining technology and scope of working.

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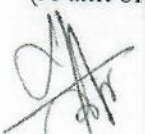
	excavation, quantum of limestone and waste shall be made.	
XV	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with ear pluggs/ muffs.	All HEMM are fitted with AC cabin. Measures have been taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. has been provided with ear pluggs/ muffs.
XVI	Industrial waste water (workshop and waste water from the mine) shall 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 shall be installed before discharge of workshop effluents.	Workshop waste water is reused for spray in crusher after separation of oil and grease.  Domestic waste water generated from the office utilities is treated by STP. Treated water being reutilized in greenery development.
XVII	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Personnel protective equipment have been provided to all. Adequate training and information on safety and health aspects provided to all.
XVIII	The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<ol style="list-style-type: none"> <li>1. Date of start of project work is 28/08/2013. Financial closure shall be informed to the Regional Office and Ministry.</li> <li>2. 1<sup>st</sup> clinker grinding unit has been started on 24/02/2015.</li> <li>3. 1<sup>st</sup> clinker unit (Pyro processing) has been started on 20/05/2015.</li> <li>4. Erection work of 2<sup>nd</sup> clinker grinding unit and clinker unit (Pyro processing) has been started.</li> <li>5. Limestone mines Commissioned on 12.03.2015.</li> <li>6. Waste heat power plant commissioning &amp; generation on 23.07.2015.</li> <li>7. Captive Power Plant (CPP) unit has been started on 15/07/2016.</li> </ol>
XIX	A copy of clearance letter shall be marked to concerned Panchayat / local NGO, if any, from whom suggestion/representation, if any, was received while processing the proposal.	Copy of environment clearance letter has been sent on 15.3.2011 to the followings:- <ol style="list-style-type: none"> <li>1. Gram Panchayat, Semaradih.</li> <li>2. Gram Panchayat, Bharuwadih.</li> <li>3. Gram Panchayat, Chandi.</li> </ol>

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XX	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.	4. Janpad Panchayat, Balodabazar 5. All India Human Rights Inspection Committee, Vill. Paunsari, Teh. Balodabazar, Distt. Raipur  EC letter has been put on our web site:- <a href="http://www.shreecement.in">www.shreecement.in</a>
XXI	The project authorities shall 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 Chhattisgarh Environment Conservation Board and also at web site of the Ministry of Environment and Forests at "http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry.	Advertised in two local news papers widely circulated in the region namely, Dainik Bhaskar and Navbharat on 7/6/2011. Copy of Paper of cutting has been already submitted.
XXII	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by e-mail.	Environmental statement for year-2015-16 has been already submitted to the Chhattisgarh Environment Conservation Board (CECB) Raipur on 14.09.16. EC compliance has been put on our web site: <a href="http://www.shreecement.in">www.shreecement.in</a> .

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



R K Vijay  
AVP (Operations)

Enclosed: - As above



## Annexure - 1

Shree Raipur Cement Plant  
(A Unit of Shree Cement Ltd)Stack Emission Report (PM All values in mg/Nm<sup>3</sup>)

S. No.	Month	Cement Mill	Raw Mill & Kiln Stack	Coal Mill Stack	Clinker Cooler Stack	Captive Power plant Stack
1	Oct-16	13.1	11.7	13.0	9.3	14.8
2	Nov-16	17.3	12.5	16.3	11.6	14.3
3	Dec-16	26.8	9.0	10.5	14.0	17.5
4	Jan-17	18.9	17.0	13.7	14.2	27.3
5	Feb-17	23.9	18.7	16.3	18.4	32.5
6	Mar-17	20.3	16.5	11.8	18.3	37.3

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

**AMBIENT AIR QUALITY MONITORING STATION DATA**

Location	Parameters	Unit	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
AAQMS 1 (Mines boundary towards village Bharuwadih)	PM 10	$\mu\text{g}/\text{m}^3$	52.2	54.5	57.7	62.8	49.0	29.6
	PM 2.5		24.6	36.2	27.7	31.1	17.7	10.1
	SO <sub>2</sub>		15.1	15.8	17.1	3.7	2.2	3.5
	NO <sub>2</sub>		10.2	7.5	7.3	6.7	5.9	3.5
AAQMS 2 (Mines boundary towards village Semrathi)	PM 10		86.5	65.4	78.7	52.5	50.0	41.7
	PM 2.5		30.0	30.1	35.3	22.5	13.8	11.7
	SO <sub>2</sub>		4.7	7.3	8.9	6.5	9.0	8.6
	NO <sub>2</sub>		10.7	25.0	30.8	29.5	22.4	14.3
AAQMS 3 (Plant Boundary towards South Diction)	PM 10		48.9	22.5	72.4	50.6	39.5	36.7
	PM 2.5		28.9	4.0	48.9	26.2	21.0	18.9
	SO <sub>2</sub>		6.9	6.3	10.3	13.2	13.9	21.0
	NO <sub>2</sub>		12.6	6.8	12.5	2.7	2.6	5.0
AAQMS 4 (Plant Boundary towards village Khapradhi)	PM 10		51.8	55.8	63.6	30.3	37.4	24.6
	PM 2.5		28.5	35.2	34.4	24.7	17.0	13.6
	SO <sub>2</sub>		9.1	14.1	11.9	5.0	9.8	7.1
	NO <sub>2</sub>		6.2	15.1	23.1	26.1	19.6	9.2

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## STP treated water analysis report

Parameter	Oct-16		Nov-16		Dec-16		Jan-17		Feb-17		Mar-17	
	STP -1	STP -2	STP -1	STP -2	STP -1	STP -2	STP -1	STP -2	STP -1	STP -2	STP -1	STP -2
pH	8.43	8.38	6.65	7.62	6.88	7.64	6.82	7.46	7.23	6.71	7.3	7.68
BOD (3 day at 27 deg), mg/l	3	4	6	3	3	4	4	6	3	4	less then 2	4.5
COD, mg/l	32	56	72	56	40	56	40	64	31.4	24	7.84	43.1
Total Suspended Solids, mg/l	4	4	6	6	4	10	4	20	26	8	less then 2	6
Oil & Grease, mg/l	less then 0.2	less then 0.2	less then 0.2	less then 0.2	less then 0.2	less then 0.2	less then 0.2	less then 0.2	less then 0.2	less then 0.2	less then 0.2	less then 0.2

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Annexure A



# SHREE CEMENT LTD.

House No. 31/248, Civil Lines, Near C.M. House, Raipur-492 001 (C.G.)  
Ph. : 0771-2430022/2430007, Fax : 0771-2430007  
CIN No. : L26943RJ1979PLC001935



Ref: SCL/SRCP/CEC/CGWB/Monitoring Report 2016/ 2017

Date: 27<sup>th</sup> January, 2017

The Regional Director,  
Central Ground Water Board,  
North Central Chhattisgarh Region  
Reena Complex, 2<sup>nd</sup> Floor  
Dhamtari Road – Raipur (C.G.)

**Subject:** Submission of Ground Water Monitoring Report for the Year 2016 in and around Semradih, Bharwadih & Khapradih Lime-Stone Mine & Plant area (Cement Plant & TPP) of Shree Raipur Cement Plant, District – Balodabazar - Bhatapara, Chhattisgarh) unit of M/s Shree Cement Limited - Reg.

Ref: Renewal Letter No. & Date: 21-4/36/NCCR/CGWA/2008-569 Date: 08 April, 2015

Sir,

With reference to the above subject, we are herewith submitting the ground water monitoring report in and around Semradih, Bharwadih & khapradih Lime-Stone Mine & Cement Plant area of Shree Raipur Cement Plant, District – Baloda Bazar - Bhatapara, Chhattisgarh (from January 2016 to the December 2016 with comparisons from prior year) for Year 2016 including of the water level monitoring data four times in a year i.e. January, May of pre-monsoon with August & November of post-monsoon, maps showing the depth to water levels for pre-monsoon & post-monsoon period and hydro-geological scenario in and around plant area within 10 km radius along with the change in ground water levels & quality analysis for both periods with all details. The rain water harvesting system has been developed to recharge the ground water as per issued NOC.

We hope that the documents are in the line with the requirement and kindly acknowledge the receipt.

This is for kind information and record please.

Thanking You,

For, Shree Cement Limited

Ravi Tiwari

Chief Executive (Co-ordination)

Encl: 3 Copy of Ground Water Monitoring Report.

Copy to: District Collector, Balodabazar : Bhatapara (CG):- For kind information please.

o/c

YIPR 1001  
Bhatapara, Dist  
DHO 31/1/17  
C.M. House, 2<sup>nd</sup> Floor  
Near Pachpadi Naka,  
RAIPUR, (C.G.)



Shree Raipur Cement Plant

(A Unit of Shree Cement Ltd)

Pre - Monsoon (May 2016) Ground Water Quality Analysis in Core Zone, Year-2016

Sr. No.	Parameters	Ref. Method	Acceptable / Permissible Limit (IS 10500:2012)		Unit	Core Zone					
			Desirable	Permissible		Ground Water from Bore Well (within Plant)	Ground Water from Piezometer (Mines Area)	Ground Water from Bharuwadih Village	Ground Water from Dhabadih Village	Ground water from Bore well water Champa Village	Ground Water from Sarseni village
1	pH	IS:3025 (part11)-1983	6.5-8.5	NR	-	6.83	7.33	7.37	7.49	7.68	7.08
2	TDS	IS:3025 (part 16)-1984	500	2100	mg/l	706	446	398	772	526	746
3	Alkalinity as CaCO3	IS:3025(part 23)-1986	200	600	mg/l	362	224	192	332	244	272
4	Total Hardness (as CaCO3)	IS:3025(part 21)-1983	200	600	mg/l	328	246	244	152	104	484
5	Calcium (as Ca2+)	IS:3025 (part 40)-1991	75	200	mg/l	90.5	67.9	63.4	39.5	27	125.8
6	Magnesium (as Mg2+)	IS:3025 (part 46)- 1994	30	100	mg/l	24.4	18.3	20.5	12.8	8.7	40.7
7	Chloride (as Cl)	IS:3025 (part 32)- 1988	250	1000	mg/l	13.0	11.0	24.0	44.0	20.0	138
8	Sulphate(as SO4)	APHA- 22nd Edition	200	400	mg/l	4.8	8.9	8.7	50.7	20.2	42.5
9	Fluoride (as F)	APHA- 22nd Edition	1.0	1.5	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Iron(as Fe)	IS:3025 (part 53-2004)	0.3	NR	mg/l	0.08	0.07	0.21	0.08	0.19	0.13
11	Nitrate(as NO3)	APHA- 22nd Edition	45	NR	mg/l	1.7	4.6	0.6	2.8	6.3	24.7

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Shree Raipur Cement Plant

(A Unit of Shree Cement Ltd)

Pre - Monsoon (May 2016) Ground Water Quality Analysis in Buffer Zone, Year-2016

Sr. No.	Parameters	Ref. Method	Acceptable / Permissible Limit (IS 10500:2012)		Unit	Core Zone					
			Desirable	Permissible		Ground Water from Pausari Village	Ground Water from Kukurdih Village	Ground Water from Rishda Village	Ground Water from Maldi Village	Ground water from Khapardih Village	Ground Water from Amer (Balodabazar) village
1	pH	IS:3025 (part 11)-1983	6.5-8.5	NR	-	7.52	7.64	7.42	7.37	7.57	7.09
2	TDS	IS:3025 (part 16)-1984	500	2100	mg/l	984	434	704	592	478	678
3	Alkalinity as CaCO <sub>3</sub>	IS:3025 (part 23)-1986	200	600	mg/l	408	218	272	272	216	296
4	Total Hardness (as CaCO <sub>3</sub> )	IS:3025 (part 21)-1983	200	600	mg/l	136	212	264	328	252	404
5	Calcium (as Ca <sup>2+</sup> )	IS:3025 (part 40)-1991	75	200	mg/l	35.4	57.7	68.6	85.3	65.5	105
6	Magnesium (as Mg <sup>2+</sup> )	IS:3025 (part 46)- 1994	30	100	mg/l	11.4	16.3	22.2	27.6	21.2	33.9
7	Chloride (as Cl)	IS:3025 (part 32)- 1988	250	1000	mg/l	88.0	10.0	98.0	42.0	32.0	70.0
8	Sulphate (as SO <sub>4</sub> )	APHA- 22nd Edition	200	400	mg/l	66.4	9.5	37.1	19.9	24.7	27.3
9	Fluoride (as F)	APHA- 22nd Edition	1.0	1.5	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Iron (as Fe)	IS:3025 (part 53-2004)	0.3	NR	mg/l	0.08	0.07	0.15	0.11	0.08	0.08
11	Nitrate (as NO <sub>3</sub> )	APHA- 22nd Edition	45	NR	mg/l	23.4	2.1	15.5	23.4	23.7	4.2

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

Post - Monsoon (November 2016) Ground Water Quality Analysis in Core Zone, Year-2016

Sr. No.	Parameters	Ref. Method	Acceptable / Permissible Limit (IS 10500:2012)		Unit	Core Zone						
			Desirable	Permissible		Ground Water from Bore Well (within Plant)	Ground Water from Piezometer Station No 1 (Mines Area)	Ground Water from Bharuwadih Village	Ground Water from Dhabadih Village	Ground water from Bore well water Champa Village	Ground Water from Sarseni village	
1	pH	IS:3025 (part 11)-1983	6.5-8.5	NR	-	7.43	7.06	7.19	7.26	7.24	7.22	
2	TDS	IS:3025 (part 16)-1984	500	2100	mg/l	556	584	516	724	528	931	
3	Alkalinity as CaCO <sub>3</sub>	IS:3025(part 230)-1986	200	600	mg/l	192	228	228	320	232	314	
4	Total Hardness (as CaCO <sub>3</sub> )	IS:3025(part 21)-1983	200	600	mg/l	288	336	248	356	160	538	
5	Calcium (as Ca <sup>2+</sup> )	IS:3025 (part 40)-1991	75	20	mg/l	73.7	87.4	63.5	92.6	41	139.9	
6	Magnesium (as Mg <sup>2+</sup> )	IS:3025 (part 460)-1994	30	100	mg/l	24.9	28.2	21.4	29.9	13.8	45.2	
7	Chloride (as Cl)	IS:3025 (part 32)-1988	250	1000	mg/l	47.0	20.0	24.0	56.0	22.0	179.9	
8	Sulphate(as SO <sub>4</sub> )	APHA- 22nd Edition	200	400	mg/l	85.7	104.7	43.4	35.9	41.8	75.1	
9	Fluoride (as F)	APHA- 22nd Edition	1.0	1.5	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
10	Iron(as Fe)	IS:3025 (part 53-2004)	0.3	NR	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
11	Nitrate(as NO <sub>3</sub> )	APHA- 22nd Edition	45	NR	mg/l	3.3	3	8.1	4.7	3.6	3.5	

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Shree Rajpur Cement Plant

(A Unit of Shree Cement Ltd)

Post - Monsoon (November 2016) Ground Water Quality Analysis in Buffer Zone, Year-2016

Sr. No.	Parameters	Ref. Method	Acceptable / Permissible Limit (IS 10500:2012)		Unit	Core Zone					
			Desirable	Permissible		Ground Water from Pausari Village	Ground Water from Kukurdih Village	Ground Water from Rishda Village	Ground Water from Maldi Village	Ground water from Khapardih Village	Ground Water from Amer (Balodabazar) village
1	pH	IS:3025 (part11)-1983	6.5-8.5	NR	-	7.12	7.08	7.15	7.22	7.17	7.13
2	TDS	IS:3025 (part 16)-1984	500	2100	mg/l	824	772	988	574	468	946
3	Alkalinity as CaCO3	IS:3025(part 23)-1986	200	600	mg/l	304	274	400	268	204	312
4	Total Hardness (as CaCO3)	IS:3025(part 21)-1983	200	600	mg/l	572	328	420	280	288	296
5	Calcium (as Ca2+)	IS:3025 (part 40)-1991	75	200	mg/l	148.7	85.3	109.2	71.7	74.9	77
6	Magnesium (as Mg2+)	IS:3025 (part 46)-1994	30	100	mg/l	48.0	27.6	35.3	24.2	24.2	24.9
7	Chloride (as Cl)	IS:3025 (part 32)-1988	250	1000	mg/l	104.0	132.0	100.0	37.0	34.0	142.0
8	Sulphate(as SO4)	APHA- 22nd Edition	200	400	mg/l	98.0	51.0	71.4	26.0	36.0	112.0
9	Fluoride (as F)	APHA- 22nd Edition	1.0	1.5	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	Iron(as Fe)	IS:3025 (part 53-2004)	0.3	NR	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
11	Nitrate(as NO3)	APHA- 22nd Edition	45	NR	mg/l	4	6.4	5.6	3.2	10.2	5.3



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

Ground Water Level Monitoring, Year-2016 (Winter - January 16)  
Depth to ground water level monitoring data in core zone

Sr. No.	Location	Longitude	Latitude	January 2016 (Winter) depth to water level (mbgl)
1	Ground Water from Bore Well (within Plant)	21.599	82.044	27.6
2	Ground Water from Piezometer (Mines Area)	21.612	82.07	25.52
3	Ground Water from Bharuwadih Village	21.603	82.091	5.85
4	Ground Water from Dhabadih Village	21.625	82.109	6.15
5	Ground water from Bore well water Champa Village	21.587	82.091	6
6	Ground Water from Sarseni village	21.581	82.058	7.12

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

Ground Water Level Monitoring, Year-2016 (Winter - January 16)  
Depth to ground water level monitoring data in buffer zone

Sr. No.	Location	Longitude	Latitude	January 2016 (Winter) depth to water level (mbgl)
1	Ground Water from Pausari Village	21.687	82.1	9.1
2	Ground Water from Kukurdih Village	21.652	82.109	6.9
3	Ground Water from Rishda Village	21.629	82.123	6.75
4	Ground Water from Maldl Village	21.666	82.053	6
5	Ground water from Khapardih Village	21.6	82.022	8
6	Ground Water from Amer (Balodabazar) village	21.595	82.178	4

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

Ground Water Level Monitoring, Year-2016 (Pre Monsoon - May 16)  
Depth to ground water level monitoring data in core zone

Sr. No.	Location	Longitude	Latitude	May 2016 (Pre Monsoon) depth to water level (mbgl)
1	Ground Water from Bore Well (within Plant)	21.599	82.044	35.5
2	Ground Water from Piezometer (Mines Area)	21.612	82.07	32.42
3	Ground Water from Bharuwadih Village	21.603	82.091	9.2
4	Ground Water from Dhabadih Village	21.625	82.109	8.35
5	Ground water from Bore well water Champa Village	21.587	82.091	7.62
6	Ground Water from Sarseni village	21.581	82.058	10.21

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

Ground Water Level Monitoring, Year-2016 (Pre Monsoon - May-2016)  
Depth to ground water level monitoring data in buffer zone

Sr. No.	Location	Longitude	Latitude	May-2016 (Pre Monsoon) depth to water level (mbgl)
1	Ground Water from Pausari Village	21.687	82.1	10.15
2	Ground Water from Kukurdih Village	21.652	82.109	10.2
3	Ground Water from Rishda Village	21.629	82.123	10.7
4	Ground Water from Maldi Village	21.666	82.053	9.43
5	Ground water from Khapardih Village	21.6	82.022	9.6
6	Ground Water from Amera (Balodabazar) village	21.595	82.178	6.4

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

**Ground Water Level Monitoring, Year-2016 (Monsoon - August 16)  
Depth to ground water level monitoring data in core zone**

Sr. No.	Location	August 2016 (Monsoon)depth to water level (mbgl)
1	Ground Water from Bore Well (within Plant)	16.8
2	Ground Water from Piezometer (Mines Area)	14.57
3	Ground Water from Bharuwadih Village	1.05
4	Ground Water from Dhebadih Village	1.25
5	Ground water from Bore well water Champa Village	0.3
6	Ground Water from Sarseni village	0.5

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

Ground Water Level Monitoring, Year-2016 (Monsoon - August 16)  
Depth to ground water level monitoring data in buffer zone

Sr. No.	Location			August 2016 (Monsoon) depth to water level (mbgl)
1	Ground Water from Pausari Village	21.687	82.1	0.3
2	Ground Water from Kukurdih Village	21.652	82.109	2.8
3	Ground Water from Rishda Village	21.629	82.123	1.6
4	Ground Water from Maldj Village	21.666	82.053	1.75
5	Ground water from Khapardih Village	21.6	82.022	2.55
6	Ground Water from Amara (Balodabazar) village	21.595	82.178	0.9

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

Ground Water Level Monitoring, Year-2016 (Post Monsoon - November 16)  
Depth to ground water level monitoring data in core zone

Sr. No.	Location			November 2016 (Post Monsoon) depth to water level (mbgl)
1	Ground Water from Bore Well (within Plant)	21.599	82.044	16.07
2	Ground Water from Piezometer (Mines Area)	21.612	82.07	16.78
3	Ground Water from Bharuwadih Village	21.603	82.091	4.6
4	Ground Water from Dhabadih Village	21.625	82.109	3.9
5	Ground water from Bore well water Champa Village	21.587	82.091	4.2
6	Ground Water from Sarseni village	21.581	82.058	4.55

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

Ground Water Level Monitoring, Year-2016 (Post Monsoon - November 16)  
Depth to ground water level monitoring data in buffer zone

Sr. No.	Location			November 2016 (Post Monsoon) depth to water level (mbgl)
1	Ground Water from Pausari Village	21.687	82.1	4.5
2	Ground Water from Kukurdih Village	21.652	82.109	4.15
3	Ground Water from Rishda Village	21.629	82.123	4.97
4	Ground Water from Maldi Village	21.666	82.053	4
5	Ground water from Khapardih Village	21.6	82.022	6.5
6	Ground Water from Amera (Balodabazar) village	21.595	82.178	1.75





**Shree Raipur Cement Plant**  
(A unit of Shree Cement Limited), Khapradih, Distt- Balodabazar  
**CSR Work Done (October 2016 to March 2017)**

S No	Particulars of CSR activity undertaken	Amount in Rupees
<b>A</b>	<b><u>Eradicating hunger, poverty and malnutrition, promoting preventive health care and sanitation and making available safe drinking water</u></b>	
	Arranging health camps and provisions of medicines and other facilities including financial assistance for arranging health camps (SCL)	24,665
	Expenses of AIDS day Celebration including awareness of disease and their preventive measures.	6,780
	Arranging supply of drinking water through installation of water tanks and water huts and construction/ repairing of existing water systems	174,961
<b>B</b>	<b><u>Promoting education, including special education and employment enhancing vocational skills specially among children, women, elderly and the differently abled and livelihood</u></b>	
	Providing financial support to schools to promote various activities towards development of children and improve quality of education	650
	Providing support to Anganwadi centres /schools for building / upgrading infrastructure (by undertaking or supporting construction work or equipping them with furniture, fans, maps, charts, fixtures, books, note books, musical instruments, uniforms etc) for promoting education	10,000
<b>C</b>	<b><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></b>	
	Construction of Vrudhashram (old age home) at Balodabazar	374,893
<b>D</b>	<b><u>Ensuring 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></b>	
	Expenses on purchase of saplings/ plants for distribution to villagers/ nearby localities / schools for plantation with tree guards and labour expenses.	2,546,882
	Support for development / construction of living space for livestock (Goshala expenses)	100,259
<b>E</b>	<b><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></b>	
	Expenses on promotion of Indian Tradition and Culture through Jhankis on the various occasions (expenses incurred on Sobha yatra & Laddi Show, Prasad, and lighting and decoration)	9,445
	Other Expenses on promotion of Art and Culture by associating with various agencies by sponsorship, support, contribution, etc.	277,100
<b>F</b>	<b><u>Training to promote rural sports, nationally recognized sports, Paralympic sports and Olympic sports</u></b>	
	Expenses on Shree Khel Mahotsav 2017 (Winter Olympiad)	341,302
<b>G</b>	<b><u>Rural development projects</u></b>	
	Construction of community halls and centers at nearby villages	544,871
	Construction and leveling of CC roads of nearby villages	1,524,912
	Construction of retaining boundary of pond ladder, pond cleaning	1,133,937
	Construction of various structures like boundary walls, school boundary, toilets, stay rooms, street lights etc. in nearby villages	582,594
	Other Maintenance, Renovation and painting work at various roads, speed breakers, structures, pump and projects	261,304
	Issuance of Steel & Cement under CSR	439,023
<b>H</b>	<b><u>Overheads related to CSR activities (maximum upto 5% of total CSR expenses)</u></b>	
	Salaries paid to employees engaged in CSR work	1,750,945
	Taxes related to CSR activities	36,208
	Other CSR programme coordination expenses including expenses on brochures, painting, leaflets, CSR documentary film, display boards inauguration function etc	25,037
	<b>Total Amount (Rs.)</b>	<b>10,165,768</b>

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

**Noise Monitoring Report**

Sr. No	Location	Oct-16		Nov-16		Dec-16		Jan-17		Feb-17		Mar-17	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
1	AAQMS-1 (Near Bharuadih) (SE)	47.8	41.6	45.8	39.6	45.9	37.4	44.3	38.16	50.9	39.2	47.7	41.84
2	AAQMS-2 (Near Semaradih) (NE)	46.3	42.7	43.8	40.7	44.6	36.8	47.66	40.94	50.8	40.7	49.64	45.36
3	AAQMS-3 (Near RMS) (SE)	48.8	41.7	45.0	39.7	44.0	38.4	45.62	38.26	51.3	41.1	51.04	45.42
4	AAQMS-4 (Near Kharpradih) (SW)	47.6	41.7	45.6	39.7	47.2	41.8	50.2	42.38	51.3	40.5	53.06	47.22
5	Near Store office	63.3	54.2	61.3	52.2	57.0	49.1	65.26	55.5	65.9	55.9	67.74	61.5
6	Near Raw Mill	73.3	63.2	71.3	61.2	62.3	61.9	66.22	58.04	69.5	62.8	78.92	71.88
7	kiln area (Infront of Mechanical Office)	74.8	65.1	72.8	63.1	69.8	61.2	68.08	61.54	67.8	59.0	77.98	70.42
8	Near Cooler Stack	71.8	63.1	69.8	61.0	68.1	61.4	70.02	63.96	68.8	60.9	75.7	68.4
9	Near Fly Ash Silo	72.0	64.1	70.0	62.1	70.7	65.3	71	63.92	65.9	56.6	73.16	67.08
10	Near Truck Loading area (Packing plant)	74.3	63.4	72.5	61.6	70.5	64.2	70.54	64.36	68.9	61.4	65.2	59.04
11	Near Turbine (GPP Plant)	76.3	68.4	74.3	65.6	69.8	61.9	67.4	61.26	67.5	60.2	70.38	65.64
12	Near Lime stone Stack	72.7	63.3	70.1	61.1	78.5	65.6	50.66	42.38	65.9	55.7	63.62	56.52
13	In front of CCR Building	62.9	54.8	60.9	52.6	60.6	54.0	70.76	64.24	52.4	45.0	50.24	46.16
14	Near Main Gate	64.3	54.0	62.3	51.8	67.7	60.1	63.92	54.94	67.2	54.2	69.5	63.6
15	Near Truck Parking (Logistic Office)	72.4	63.1	68.6	61.1	72.3	64.6	72.38	64.62	64.4	54.7	57.54	51.32
16	Near Mine Work shop	63.7	55.0	61.7	52.3	53.7	43.3	57.5	50.5	61.6	52.9	55.78	48.44
17	Near Crusher Area (Mines)	62.8	53.8	60.8	51.8	78.0	69.2	63.84	52.62	71.1	61.8	60.76	53.42
18	Near Open Cast mines	72.7	65.8	71.1	63.6	57.9	51.3	63.7	51.02	66.5	57.0	55.26	50.22

Same value

93

SP BHATPURA S.O. (493110)

EC029679292IN

Counter No: LOP-Code:SER

To: THE DIRECTOR, MINISTRY OF ENVIRONMENT

NOIDA, PIN-400001

From: ANEESH KUMAR, BHATPURA

Wt: 166 grams.

Act: 46.00, 25/10/2016, 11:48

Tapas: Rs. 5.00 (Track on [www.indiapost.gov.in](http://www.indiapost.gov.in))

EC029679292IN

46/-

1304

SP BHATPURA S.O. (493110)

EC029679301IN

Counter No: LOP-Code:SER

To: Z O SPEC.

NOIDA, PIN-400001

From: ANEESH KUMAR, BHATPURA

Wt: 150 grams.

Act: 46.00, 25/10/2016, 11:49

Tapas: Rs. 5.00 (Track on [www.indiapost.gov.in](http://www.indiapost.gov.in))

EC029679301IN

46/-

1305



**From:** Avneesh kumar chauhan [mailto:chauhanak@shreecementltd.com]

**Sent:** 24 October 2016 13:41

**To:** 'moefregionalofficenagpur@gmail.com'; 'cpcb.bhopal@gmail.com'; 'hocecb@gmail.com'

**Cc:** 'R Bhargava'; 'vijayrk@shreecementltd.com'; 'Anil Jain'

**Subject:** Six Monthly MoEF&CC Compliance Report (period -April 16- September 16)- by Shree Raipur Cement Plant - Balodabaaar- Bhatapara (Chhattisgarh)

Dear Sirs,

Please find enclosed herewith MoEF& CC Six Monthly Compliance Report period from April-2016 to September-2016. As per given Environment Clearance to us vide letter No.- F. No. J-11011/235/2008-IA II (I) dated 07.03.2011

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

Hope your will find this is in order.

Thanks & Regards

Avneesh Kumar Chauhan

Manager- Environment Dept.

Shree Raipur Cement Plant

( A unit of Shree Cement Ltd.)

Village- khaparadih, Tehsil – Simga

Dist.- Baloda Bazar- Bhatapara ( C.G.) Pin- 493332

Mobile no - 7024260999