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# SHREE CEMENT LTD.

Regd. Office:

BANGUR NAGAR, POST BOX NO.33, BEAWAR 305 901, RAJASTHAN, INDIA



SCL/ENV/ WEST BENGAL /2017-18/

4302

Date:-25/05/2018

To,  
Sandipan Mukherjee, IFS,  
Chief Environment Officer & Member Secretary,  
State Level Environment Impact Assessment Authority,  
Pranisampad Bhavan, Block 'LB' - 2, 5<sup>th</sup> Floor,  
Sector - III, Salt Lake, Kolkata – 700106.

Sub: - Compliance of conditions of environmental clearance for the proposed Cement Grinding Unit of capacity 5 MTPA and CPP of capacity 20 MW at village – Parbatpur & Digha, Tehsil – Raghunathpur, Dist – Purulia, west Bengal by M/s Shree Cement Ltd.

Ref: - SEIA Letter No. 1197/EN/T-II/001/2016 dated 12/06/2017.

Dear Sir,

In reference to the above subject matter and referred letter, we are submitting herewith half yearly compliance report of conditions of the above environmental clearance letter for the period of Oct.-17 to Mar.-18.

This is for your kind information please.

Thanking you,  
Yours faithfully,  
For Shree Cement Ltd.



(Rakesh Bhargava)  
Vice President (Environment)

**Copy to:** (1) The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhavan, 10A, Block-L.A., Sector -III, Salt Lake City, Calcutta - 700 098

(2) The Regional In-charge (Regional Office), West Bengal Pollution Control Board, ADDA, Commercial Market (2<sup>nd</sup> Floor), Opp.- Asansol Fire Station, G.T.Road, Asansol-713301 Burdwan.

JAIPUR OFFICE : SB-187, Bapu Nagar, Opp. Rajasthan University, JLN Marg, Jaipur-302 015  
Phone : 0141 4241200, 4241204. Fax : 0141 4241219

NEW DELHI OFFICE : 122-123, Hans Bhawan, 1. Bahadurshah Zafar Marg, New Delhi 110 002  
Phone : 011 23370828, 23379218, 23370776. Fax : 011 23370499

CORP. OFFICE : 21, Strand Road, Kolkata 700 001 Phone : 033-22309601-4 Fax : 033 22434226



**COMPLIANCE OF CONDITIONS OF STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY LETTER NO.-1197/EN/T-II-1/001/2016 DATED 12/06/2017 FOR THE PROPOSED CEMENT GRINDING UNIT OF CAPACITY 5 MTPA AND CPP OF CAPACITY 20 MW OF SHREE CEMENT LTD. AT VILLAGE – PARBATPUR & DIGHA, TEHSIL – RAGHUNATHPUR, DIST – PURULIA, WEST BENGAL for the period from Oct.-17 to Mar.-18.**

S.No.	Conditions	Compliance Status
<b>A.</b>	<b>Specific Conditions</b>	
(i)	The gaseous emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.	The gaseous emissions from various process units shall conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time.
(ii)	Cement grinding shall be carried out in closed cement mill. Provision of dust extraction and pollution control systems along with minimum stack height of 30 m from G.L. should be made for control of emission. Highly efficient Pulse Jet Bag Filters & ID Fan should be provided for Raw Material Handling Section, VRM, HAG, Coal Mill, Ball Mill, Silos and Packing Section. Stack emissions shall be monitored at regular intervals and records maintained. The stack emission should not exceed 50 mg/Nm <sup>3</sup> .	<p>Cement grinding shall be carried out in closed cement mill.</p> <p>Provision of dust extraction and pollution control systems along with minimum stack height of 30 m from ground level shall be made for control of emission.</p> <p>Highly efficient Pulse Jet Bag Filters &amp; ID Fan shall be provided for Raw Material Handling Section, VRM, HAG, Coal Mill, Ball Mill, Silos and Packing Section.</p> <p>Stack emissions shall be monitored at regular basis and records shall be maintained.</p> <p>The stack emission shall not exceed 30 mg/Nm<sup>3</sup>.</p>
(iii)	Electrostatic Precipitator of high efficiency must be attached to the coal based CPP boiler along with ID fan of sufficient capacity and stack of height 50 m from GL. Coal crushing and handling section must be equipped with adequate number of efficient Pulse Jet Bag Filters. Highly efficient water sprinklers should be installed to reduce fugitive emission from potentially dust prone areas.	<p>ESP of high efficiency shall be attached to the coal based CPP boiler along with ID fan of sufficient capacity and stack of height shall be made 50 m from ground level.</p> <p>Coal crushing and handling</p>

		<p>section shall be equipped with adequate number of efficient Pulse Jet Bag Filters.</p> <p>Water sprinklers shall be installed to reduce fugitive emission from potentially dust prone areas.</p>
(iv)	<p>Regular monitoring of the ambient air quality shall be carried out in and around the plant and records shall be maintained. All possible care to be taken to maintain the ambient air quality standards as per GSR 826 (E) dated 16.11.2009.</p>	<p>Regular monitoring of the ambient air quality shall be carried out in and around the plant and records shall be maintained and shall be maintained the ambient air quality standards as per GSR 826 (E) dated 16.11.2009.</p>
(v)	<p>Finished product should be collected in silo and packaging should be done through pneumatically controlled system. Suction system should be installed at packaging section to minimize fugitive emission.</p>	<p>Finished product shall be collected in silo and packaging shall be done through pneumatically controlled system.</p> <p>Suction system shall be installed at packaging section to minimize fugitive emission.</p>
(vi)	<p>All vibrating screens, storage bins will be adequately covered. Covered storage yards shall be provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filter at transfer points should be provided. Suction head should be provided at all transfer points.</p>	<p>Shall be complied.</p>
(vii)	<p>Adequate dust extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process. Water sprinkling arrangement shall be made wherever feasible.</p>	<p>Shall be complied.</p>
(viii)	<p>Groundwater shall not be abstracted without prior permission of the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.</p>	<p>Yes, we have already obtained permission for sinking of new well from West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005 on dated 30.12.2016.</p>
(ix)	<p>Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding</p>	<p>Agree with.</p> <p>Zero liquid discharge rules</p>

	process.	shall be followed.
(x)	Clinker manufacturing is not permitted under this environmental clearance. Clinker and fly ash shall be stored in the closed silos and slag and gypsum in covered shed.	Agree with.
(xi)	Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.	Agree with.
(xii)	Adequate provisions should be made for harvesting rainwater. The unit may develop water storage facilities of adequate capacity as proposed to harvest rainwater. The harvested water should be used for plantation, firefighting, washing and cleaning etc. Recharging of Ground water is not permitted.	Adequate provisions shall be made for rainwater harvesting.  The harvested water shall be used for plantation, firefighting, washing and cleaning etc.
(xiii)	Green belt shall be developed within the plant premises. At least 33% of the area should be kept for green belt development. At least 9200 number of trees to be planted in the exclusive tree plantation area of 32.45 acres. Indicative list of species is given in Annexure-1. There should not be any removal / destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.	Green belt shall be developed in 33 % area of plant.  CPCB guideline will be followed.  Will ensure zero removal of vegetation during establishment & operational stage.
(xiv)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Turbines, compressors will be installed in closed building.  Plantation will be done all around the plant boundary.  Proper maintenance and lubrication shall be done of all machines to maintain the noise level of 85 dB(A) in plant premises and 75 dB(A) (day time) and 70 dB(A) (night time) at the plant boundary.
(xv)	All internal roads should be pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises.	All internal roads shall be pitched.  Proper lighting and proper pathway inside the factory premises shall be constructed.  Provision of separate pathway for entry and exit of vehicles shall be considered.  Vehicles shall be conformed

		to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises.
(xvi)	Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Health and safety of workers shall be ensured. Workers shall be provided with adequate personnel protective equipment and sanitation facilities. Occupational health surveillance program of the workers and staff shall be undertaken periodically to observe any contractions due to exposure to dust and corrective measures will be taken and records shall be maintained as per the Factories Act.
(xvii)	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	Agree with.
(xviii)	All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.	All CREP recommendation shall be implemented.
(xix)	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	The implementation and monitoring of Environmental Management Plan shall be carried out on regular basis.
(xx)	All the issues raised in the public hearing should be complied with.	Shall be complied.
(xxi)	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 break-up shall be prepared and submitted. Implementation of such program shall be ensured accordingly in a time bound manner.	Agree with.
<b>B.</b>	<b>GENERAL CONDITIONS:</b>	
(i)	The environmental clearance accorded shall be valid for a period of 7 (seven) years for the proposed project.	Noted.
(ii)	Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by	Agree with.

	project proponent from the competent authorities.	
(iii)	The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply; sanitation program for local school and health care etc.	Agree with.
(iv)	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	Agree with.
(v)	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.	Housing, fuel, toilets with soak pits & septic tank, safe drinking water, medical healthcare etc. shall be provided to labors.
(vi)	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	Agree with.
(vii)	No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.	Yes, prior permission will be taken for further expansion.
(viii)	The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Environmental Impact Assessment Authority, West Bengal.	Full cooperation shall be provided by SCL during inspection of WBPCB.  Six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB & SEIAA, West Bengal on regular basis.

(ix)	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (protection) Act. 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.	Agree with.
(x)	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local people, if any, from whom suggestions/representations were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	We have already send to EC letter to nearby gram panchayat on dated 19 June, 2017.  The copy of environment clearance letter is available on the web site of Shree Cement Ltd. <a href="http://www.shreecement.in">www.shreecement.in</a> .
(xi)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective zonal office of the WBPCB. The criteria pollutant levels namely: PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Shall be complied.
(xii)	The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the SEIAA, West Bengal ( <a href="http://envronmentswb.gov.in">http://envronmentswb.gov.in</a> ).This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.	The copy of environment clearance letter is available on the web site of SEIAA WB <a href="http://www.environmentwb.gov.in">www.environmentwb.gov.in</a>  We have already advertised in Begali Newspaper & Telegraph newspaper on dated 17 June 2017.
(xiii)	The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.	Financial closer and final approval of the project shall be informed to the State Pollution Control Board as well as the SEIAA, West Bengal.
(xiv)	The above stipulations would be enforced along with those under the Water (prevention and Control of	Noted.



	Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.											
(xv)	<p>The contact details of the proponent and the name of the consultant are given below-</p> <table border="1"> <tr> <td>Name of the Contact person with Designation</td> <td>Shri Rakesh Bhargava, Vice President - Environment</td> </tr> <tr> <td>Address</td> <td>Bangur Nagar, Post Box No. 33 Bewar 305 901 Rajasthan</td> </tr> <tr> <td>Telephone Number, Fax Number</td> <td>01462228101-6,01462228119</td> </tr> <tr> <td>e-mail</td> <td>shreebwr@shreecementltd.com.com</td> </tr> <tr> <td>Name of the Environmental Consultant</td> <td>M/s. EMTRC Consultants Private Limited and M/s. Envirotech East Pvt. Ltd</td> </tr> </table>	Name of the Contact person with Designation	Shri Rakesh Bhargava, Vice President - Environment	Address	Bangur Nagar, Post Box No. 33 Bewar 305 901 Rajasthan	Telephone Number, Fax Number	01462228101-6,01462228119	e-mail	shreebwr@shreecementltd.com.com	Name of the Environmental Consultant	M/s. EMTRC Consultants Private Limited and M/s. Envirotech East Pvt. Ltd	Yes, agree with.
Name of the Contact person with Designation	Shri Rakesh Bhargava, Vice President - Environment											
Address	Bangur Nagar, Post Box No. 33 Bewar 305 901 Rajasthan											
Telephone Number, Fax Number	01462228101-6,01462228119											
e-mail	shreebwr@shreecementltd.com.com											
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