

CIN No. : L26943RJ1979PLC001935
Phone : 01462 228101-6
Toll Free : 1800 180 6003 / 6004
Fax : 01462 228117 / 228119
E-Mail : shreebwr@shreecementltd.com
Website : www.shreecement.in



SHREE CEMENT LTD.

Regd. Office:

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



SCL/ENV/Jharkhand/2017-18/

Date:-26/11/2017

To,
Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (EZ),
A/3, Chandersekharapur,
Bhubaneswar – 751023

Sub:- Compliance of conditions of environmental clearance letter for manufacturing of Clinker (5,40,000 TPA), portland slag cement (9,37,500 TPA), Portland Pozzolana Cement (1,80,000 TPA) and Captive power plant (20 MW) with captive railwaysiding at village Hansda, District Sarzikela-Kharsawan (Jharkhand) by M/s Shree Cement Ltd (SCL).

Ref: - EC Letter No. J-11011/692/2008-IA-II(I) dated 30/08/2010,
EC transfer letter to SCL dated 31/07/2017,
EC validity extension letter to SCL dated 18/10/2017.

Sir,

Kindly refer to above subject matter and referred MoEF&CC file no. In this regard, we would like to inform your goodself that the Environment Clearance for the proposed Integrated Cement Plant, Capacity Clinker: 540000 TPA, Portland Slag Cement: 937500 TPA, Portland Pozzolana Cement: 180000 TPA and Power Plant: 20 MW along with captive railway siding near village Hansda, PO Burudih, Dist. Saraikela-Kharsawan, Jharkhand was transferred from M/s Jupiter Cement Industries (unit of SKJ Coke Industries Ltd.) to M/s Shree Cement Ltd vide letter no. J-11011/692/2008-IA II (I) dated 31/07/2017. Further validity of EC was extended up to 29/10/2020 vide letter dated 18/10/2017.

Now, we are not going to install the clinker manufacturing unit and planning to install only Clinker Grinding Unit in the name of Shree Jharkhand Cement Plant (A unit of Shree Cement Ltd) with capacity 4.0 Million TPA Cement (Phase-1: 2.5 Million TPA Cement and Phase-2: 1.5 Million TPA Cement) along with Captive Power Plant of 20 MW and captive railway siding near village Hansda, PO Burudih, Dist. Saraikela-Kharsawan, Jharkhand.

Highlights of the Project are given below for your kind reference please:

❖ No existence of National Parks and Wild Life Sanctuaries within 10km radius

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

- ❖ No additional Land is required.
- ❖ Water requirement will be reduced from 546 to 490 KLD. Source will be ground water.
- ❖ Pollution load will be reduced for PM from 12.93 to 12.71 kg/hr, SO₂ from 31.89 to 14.42 kg/hr and NO_x from 58.31 to 14.42 kg/hr.

In view of above, we are uploading EC amendment application W.R.T. product mix change through online portal of MoEF&CC. Accordingly, point wise EC compliance is enclosed herewith for your kind consideration please.

Thanking you,
Yours faithfully,
For Shree Cement Ltd.



(Rakesh Bhargava)
Vice President (Environment)

COMPLIANCE OF CONDITIONS OF ENVIRONMENT CLEARANCE LETTER NO.-J-11011/692/2008-IA II(1) dated 30/08/2010 MANUFACTURING OF CLINKER(5,40,000 TPA), PORTLAND SLAG CEMENT(9,37,500TPA), PORTLAND POZZOLANA CEMENT(1,80,000 TPA) and CAPTIVE POWER PLANT(25 MW) WITH RAILWAY SIDING OF M/S. SHREE CEMENT LIMITED, AT VILLAGE HANSDA, DISTRICT SARZIKELA-KHARSAWAN, JHARKHAND
PERIOD OF COMPLIANCE LETTER: April 17 to September 17

S.No.	Conditions	Compliance Status
A.	Specific Conditions	
(i)	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of PM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill. Low NO _x burners should be provided to control NO _x emissions.	CEMS shall be installed for the measurement of SO ₂ and NO _x level for Kiln & Boiler. Opacity meters shall be installed at the stack of Kiln, Cement mill, Coal mill, Clinker and Boiler. Interlocking shall be provided with pollution control equipment. Low NO _x burners will be installed at Kiln & Boiler.
(ii)	Possibility shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB) and a feasibility report shall be prepared and submitted to the Ministry and its Regional Office at Bhubaneswar within 3 months from the date of issue of the letter.	WHRS shall be installed with Pyro system.
(iii)	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Prescribed norms will be met by implementation of EMP.
(iv)	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.	The CPCB guidelines for control of fugitive emission are being practiced as below- 1. Dust collectors shall be provided at all the material transfer points. 2. All the roads shall be concreted. 3. Fly ash, Cement & Clinker shall be stored in silo. 4. Gypsum, Coal & Slag shall be stored in covered storage yards. 5. Conveyor belts shall be covered. 6. Vacuum sweeping machines shall be used.
(v)	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular	Fly ash shall be transported in closed trucks / bulkers. Vehicular emissions shall be monitored on regular basis. Vehicles with PUC shall be allowed.

	emissions should be regularly monitored.	
(vi)	Make up water requirement for cement and captive power plant shall not exceed 546m ³ /day. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.	Make up water requirement for cement and captive power plant shall not exceed 546m ³ /day. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.
(vii)	All the bag filter dust, raw mill 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. Spent oil and batteries shall be sold to authorized recyclers / reprocessors only.	All the dust collected in pollution control devices shall be recycled and reused in the process. Spent oil and batteries shall be sold to authorized recyclers / reprocessors only.
(viii)	Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Various rain water recharge measures such as roof top harvesting and artificial recharge of ground water by collecting runoff through injection wells shall be implemented.
(ix)	Permission shall be obtained for drawl of ground water from the State Ground Water Board/ Central Ground Water Authority as may be applicable in this case.	CGWA Permission obtained.
(x)	All the fly ash shall be utilized as per Fly ash Notification, 1999 subsequently amended in 2003. Efforts shall be made to use fly ash maximum in making Pozollona Portland Cement (PPC).	Fly ash will be utilized in making Pozollona Portland Cement (PPC) and shall be stored in fly ash silo.
(xi)	Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	Low grade limestone shall be blended with high grade limestone to prepare average grade limestone.
(xii)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.	High calorific hazardous waste available in the area shall be utilized as alternate raw material, Fuel.
(xiii)	As proposed, green belt shall be developed in at least 33 % area in and around the cement plant as per	Green belt shall be developed in 33 % area of plant and mines.

	the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.			
(xiv)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.	All CREP recommendation shall be implemented.		
		S. No.	CREP CONDITION	ACTION PLANNED
		1.	The new cement kiln to be accorded NOC/ Environmental Clearance w.e.f 1/4/03 will meet the limit of 50 mg/Nm3 for particulate matter emission.	Emission standard of 30mg/Nm3 shall be complied.
		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.	1. Dust collectors shall be provided at all the material transfer points. 2 All the roads shall be concreted. 3. Fly ash, Clinker and Cement shall be stored in silos. 4. Gypsum, Slag & Coal shall be stored in covered storage yard.
		3.	Industries will submit the target date to enhance the utilization waste material by April 2003.	Fly Ash shall be used in manufacturing of Portland Cement (PPC). Slag shall be used in Manufacturing of Portland Slag Cement

		4.	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Hazardous wastes shall be utilized as per the CPCB guidelines.
		5.	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July-2003.	Waste Heat Recovery Boilers (WHRB) shall be established.
(xv)	Risk and Disaster Management Plan alongwith the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.	Risk and Disaster management plan has already been submitted while seeking EC as given in chapter 7 of EIA report.		
(xvi)	All the commitments made to the public during the Public Hearing / public Consultation meeting held on 6th October, 2009 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	All commitments made during the public hearing have been incorporated in CSR activities.		
(xvii)	At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	Action plan has already been submitted while seeking EC as given in chapter 7 of EIA report.		
(xviii)	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. shall be provided to labors.		
B.	GENERAL CONDITIONS:			

(i)	The project authorities must strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board and the State Government.	Yes, all recommendation of Jharkhand State Pollution Control Board and State Government shall be implemented.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Yes, prior permission will be taken for further expansion.
(iii)	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Emission norms shall be complied with.
(iv)	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2 and NOX are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	<p>4 ambient air quality monitoring stations shall be established for the measurement of PM2.5, PM10, SO2 and NOX in consultation with the SPCB.</p> <p>Data on ambient air quality and stack emissions shall be submitted to the MOEF&CC including its Regional Office and SPCB / CPCB once in six months.</p>
(v)	Industrial wastewater 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. The treated wastewater shall be utilized for plantation purpose.	<p>Domestic sewage will be treated in STP and treated water will be used for plantation.</p> <p>RO reject water will be reused for Mill spray</p>
(vi)	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 EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	<p>Turbines, compressors will be installed in closed building.</p> <p>Plantation will be done all around the plant boundary.</p> <p>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.</p>
(vii)	Occupational health surveillance of the workers should be done on a regular basis and records maintained	Occupational health surveillance program of the workers and staff shall be undertaken periodically to observe any contractions due to exposure to dust

	as per the Factories Act.	and corrective measures will be taken.
(viii)	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Various rain water recharge measures such as roof top harvesting and artificial recharge of ground water by collecting runoff through injection wells shall be implemented.
(ix)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Environmental protection measures and safeguards recommended in EIA/ EMP shall be implemented. Details as given under <ol style="list-style-type: none"> 1. Bag House with Kiln, Coal Mill & Cement Mill to meet PM Norms of 30mg/Nm³. 2. ESP with Clinker Cooler & Boiler to meet the PM norms of 30mg/Nm³. 3. Bag Filters at various transfer points. 4. Low NOx burner at kiln and Boiler. 5. Covered Conveyer belts. 6. Cemented Roads and vacuum sweeping. 7. Plantation all around the plant premises.
(x)	As proposed, Rs 8.72 Crores and Rs. 1.72 crores shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	Adequate funds are available for the implementation of the conditions stipulated by the Ministry of Environment. All recommendation shall be implemented along with the plant commissioning.
(xi)	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 be put on the web site of the company by the proponent.	Copy of environment clearance letter has been sent. EC letter has been put on our web site:- www.shreecement.in
(xii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at	Compliance status shall be uploaded to company website and also sent to the Regional Office of the MOEF, Zonal Office of CPCB and the SPCB. PM ₁₀ , SO ₂ and NO _x level shall be monitored on regular basis and data shall be submitted to the authorities timely.

	Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
(xiii)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions.	Six monthly compliance reports are being submitted to Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB.
(xiv)	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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	Environmental statement for each financial year ending 31st March in Form-V will be submitted to the concerned State Pollution Control Board, also it will be put on the website of the Company along with the status of compliance of EC conditions and shall be sent to the regional Office of the MoEF by e-mail.
(xv)	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall 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 and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	Advertised in two local news papers widely circulated in the region, Copies have been submitted to the Ministry.

(xvi)	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.	Financial closure and final approval of the project shall be informed to the Regional Office as well as the Ministry.
-------	--	---