

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

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Salt Lake, Kolkata – 700 106

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No. 1197 /EN/T-II-1/001/2016

Date : 12 / 06 /2017

To

M/s. Shree Cement Ltd.

Bangur Nagar, Post Box No. 33

Bewar 305 901,

Rajasthan

SUB. : Environmental Clearance for the proposed Cement Grinding Unit of capacity 5 MTPA and CPP of capacity 20 MW by M/s. Shree Cement Ltd. at Vill – Parbatpur & Digha, Tehsil – Raghunathpur, Dist – Purulia, West Bengal.

Sir,

This has a reference to your application submitted on 08/01/2016 and subsequent communications for Environmental Clearance for the proposed Cement Grinding Unit of capacity 5 MTPA and CPP of capacity 20 MW at Vill – Parbatpur & Digha, Tehsil – Raghunathpur, Dist – Purulia, West Bengal.

The proposal has been examined and processed in accordance with EIA Notification, 2006. It is noted that the proposed proposal is for setting up Cement Grinding Unit of capacity 5 MTPA and CPP of capacity 20 MW by M/s. Shree Cement Ltd. at Vill – Parbatpur & Digha, Tehsil – Raghunathpur, Dist – Purulia, West Bengal. The manufacturing process will involve grinding of Cement Clinker with Fly ash/Slag and Gypsum.

It is noted that the salient features of the project, for which Environmental clearance has been considered are as follows :

- i) Location of the Site – Vill – Parbatpur & Digha, Tehsil – Raghunathpur, Dist – Purulia, West Bengal.
- ii) Land Area – 98.32 acres.
- iii) Water body – 6.75 acres
- iv) Green Belt Area – 32.45 acres (33% of total area)
- v) Raw material requirement – Fly Ash, Slag, Clinker, Gypsum.
- vi) Production Capacity – Cement grinding of 5 MTPA and 20 MW CPP (Coal and Pet-coke based)
- vii) Air Pollution Control System – ESP of proper design for CPP, Bag filter for crushers, storage silos, hot air generator (HAG), cement mill, coal mill, tippler section and others.
- viii) Total Fresh Water Requirement – 600 KLD, Ground Water.
- ix) Wastewater – domestic wastewater generated will be treated in STP and treated water will be used for greenbelt development. Process waste water from CPP- to be treated in ETP and recycled.
- x) Power Requirement – 18 MW, from CPP and WBSEDCL Grid
- xi) Backup power – 1X1000 KVA or 2X500 KVA

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of Ministry of Environment & Forests, GOI, subject to strict compliance of terms and conditions as mentioned below.

A. SPECIFIC CONDITIONS:

- 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.
- 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 30m 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/Nm³.
- 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.
- iv. 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.
- v. 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.
- vi. 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.
- vii. 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.
- viii. 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.
- ix. Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.
- 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.
- xi. Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.
- 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 Groundwater is not permitted.
- 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 – I. 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.
- 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).
- 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.
- 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

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- be done on a regular basis and records 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.
 - xviii. All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.
 - xix. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
 - xx. All the issues raised in the public hearing should be complied with.
 - 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.

B. GENERAL CONDITIONS:

- i. The environmental clearance accorded shall be valid for a period of 7 (seven) years for the proposed project.
- 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 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- xi. The proponent shall upload the status of compliance of the stipulated EC conditions, including results

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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, PM_{2.5}, SO₂, NO_x (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.

- 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 (<http://environmentswb.gov.in>). 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.
- 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.
- xiv. The above stipulations would be enforced along with those under the Water (Prevention and Control of 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. The contact details of the proponent and the name of the consultant are given below –

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	01462 228101-6, 01462 228119
e-mail	shreebwr@shreecementltd.com.com
Name of the Environmental Consultant	M/s. EMTRC Consultants Private Limited and M/s. Envirotech East Pvt. Ltd.

Yours faithfully,



(Sandipan Mukherjee, IFS)
Chief Environment Officer &
Member Secretary, SEIAA

No. 1197 /EN/T-II-1/001/2016 /1(4)

Date : 12 / 06 /2017

Copy forwarded to :-

1. Secretary, SEAC & M.S. WBPCB
2. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharapur, Bhubaneswar – 751 023, Orissa.
3. Chief Inspector of Factories, New Secretariat Building, 1, K.S. Roy Road, Kolkata – 700 001
4. Guard file / Record file.

Sd/-

Chief Environment Officer &
Member Secretary, SEIAA

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Annexure – I

Sl. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	<i>Anogeissus latifolia</i>	Dhaoya	30
2.	<i>Pongamia pinnata</i>	Karanj	20
3.	<i>Butea monosperma</i>	Palash	1500
4.	<i>Terminalia bellirica</i>	Bohera	1000
5.	<i>Madhuca latifolia</i>	Mahua	1000
6.	<i>Hollarhena antidysentrica</i>	Kurchi	1000
7.	<i>Azadirachta indica</i>	Neem	2000
8.	<i>Ficus religiosa</i>	Peepal	100
9.	<i>Ficus benghalensis</i>	Bot	50
10.	<i>Choclospermum religiosum</i>	Sonali simul	1000
11.	<i>Bombax ceiba</i>	Simul	1000
12.	<i>Buchanania lanzan</i>	Piyal	500
		Total	9200

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