

**State Environment Impact Assessment Authority,
2nd Floor, Beltron Bhawan, Shastri Nagar, Jawhar Lal Nehur Marg, Patna-800023**

Ref. No.-

Date

To,

M/s Shree Cement Ltd.
Aurangabad Industrial Growth Center (Industrial Area)
Tahsil & District-Aurangabad, Bihar

**Subject: - Environmental Clearance for the proposed Clinker Grinding Unit of M/s Shree
Cements Limited at Aurangabad Industrial Growth Center (Industrial Area), Tahsil &
District- Aurangabad, Bihar.**

Sir,

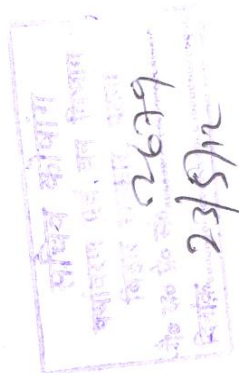
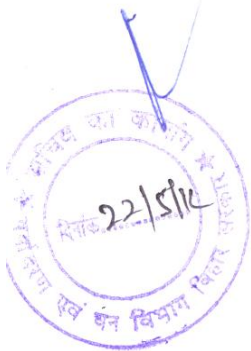
This has reference to your application No. SCL/Bihar/2011-12 dated 26/07/2011 and subsequent communications for Environmental Clearance. Your proposal has been examined by SEIAA on the recommendations of SEAC and processed in accordance with the EIA Notification of 2006 and its amendment thereof.

The proposal has been examined by SEIAA on the recommendations of SEAC and processed in accordance with EIA Notification, of 2006 and its amendment thereof. It is noted that the unit proposes to construct Cement Grinding Unit for manufacturing Cement of capacity 2x1.8 MT/PA. It is also noted that clinker will not be manufactured at this site. The manufacturing process will involve only grinding of Clinker with Fly Ash 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-Aurangabad Industrial Growth Center
(Industrial Area), Tahsil-Aurangabad, District-Aurangabad
- ii. Land Area-63 Acre including 21 hectare Greenbelt area
- iii. Installed Production Capacity – 2x1.8 million tonnes per annum.
- iv. Raw Materials-Clinker, Fly Ash, Slag, Coke/Pet coke and Gypsum.
- v. Emission Sources-Cement Mill, Clinker Silo, Fly Ash Silo,
Cement Silo, Wagon Tippler, Gypsum Crushing Plant, Packing Section, etc.
- vi. Water Requirement-175 KLD
- vii. Power Requirement – 18 MW (approx.) from DG Set of 1.25 MW and from BSEB.
- viii. Total cost of the project –Rs. 415.35 Crore.

5/5-II



G. Adviser
23.5.12

24/5/12

3745
24/5/12

**CONDITIONS FOR ENVIRONMENTAL CLEARANCE FOR THE PROPOSED
CLINKER GRINDING UNIT OF M/s SHREE CEMENTS LIMITED At
AURANGABAD INDUSTRIAL CENTER (Industrial Area),
Tehsil & District – Aurangabad, Bihar**

- **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 exceed the prescribed standards.
- ii. Cement grinding shall be carried out in closed cement mill. Further, provision of dust extraction and pollution control system consisting of highly efficient Bag Filters and ID Fan should be provided for Cement Mill, Clinker Silo, Fly Ash Storage Silo, Cement Silo, Wagon and Gypsum Crushing Plant with adequate stack height. Stack emissions shall be monitored at regular intervals and records maintained.
- iii. The stack emission from various sources shall not exceed 50 mg/Nm³ as per the MoEF notification G.S.R. 46(E) dated 03-02-2006.
- iv Transportation of fly ash to the plant should be brought through tankers and stored in silo without any air pollution at transfer point.
- v Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.
- vi Adequate dust suppression and extraction system should be provided in material storage areas, material loading/unloading areas 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.
- Vii Regular water sprinkling should be done on the roads inside the plant and other high potential areas to control the fugitive dust emission.
- viii Suction head should be provided at all transfer dust emission.
- ix Groundwater shall not be abstracted without prior permission of competent authority i.e., Central Ground Water Commission.

- x Process effluent discharge is not permitted. No waste water will be generated from production process by adoption of dry grinding process. Cooling water will be recycled in the process, if any.
- Xi Clinker manufacturing is not permitted under this environmental clearance.
- Xii Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.
- Xiii The unit must develop a separate water body with at least a minimum storage capacity of 25000 m³ to harvest rain water so as to use the stored water for serving partial requirement of plant as also to use for plantation, firefighting, washing & cleaning etc. Recharging of ground water is not permitted.
- Xiv Green belt shall be developed within and around the plant premises. Green belt to be developed at least 33% of the project area. Selection of appropriate species for the plantation programme may be done in consultation with the Environment & Forest Deptt., Bihar.
- Xv Ambient noise level should not exceed the permissible limit. 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 dB (A) (daytime) and 70 dB (A) (nighttime) and its subsequent amendments.
- Xvi Generators (1.25 MW) must be housed in acoustic enclosure and should meet the CPCB norms.
- Xvii All internal roads should be concrete /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 House Keeping shall be maintained within the premises. Solar lighting should be used as far as practicable.
- Xviii 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.
- Xix Adequate measures to be adopted to ensure industrial safety.

Xx The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.

- **General Conditions:**

- i. 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 programmes, educational programmes and health care, etc.
- ii. All the conditions, liabilities and legal provisions contained in the E.C 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.
- iii. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.
- iv. 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 along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- v. No further expansion or modifications in the plant should be carried out without prior approval of the State Environmental Impact Assessment Authority.
- vi. The Bihar State 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 BSPCB and Regional Office of MoEF regularly. A complete set of all the documents should also be forwarded to the State Environmental Impact Assessment Authority. This report shall also put on the website of the Company and also regularly be updated.
- vii. In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.

- viii. The State Level Environment Impact Assessment Authority 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.
- ix. The project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the SEIAA Secretariat and may also be seen at Website. This should be advertised by the project proponent within seven days from the widely circulated in the region of which one shall be in the vernacular language of the locality concerned.
- x. Prior Consent-to-Establish (NOC) for the proposed project must be obtained from BSPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- xi. The environmental clearance accorded shall be valid for a period of 5 years for the proposed project. 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 Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification, 2006 and their amendments.

Sd/-

(S.K.Karn)

Member Secretary,
SEIAA, Bihar

Memo No. :- 52

Patna- 18-5-12

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Copy forwarded to : The Principal Secretary, Environment & Forests Department, Vikash Bhawan, Patna/ The Chairman, Bihar State Pollution Control Board, Beltron Bhawan, IInd Floor, LBS Nagar, Jawahar Lal Nehru Marg, Shastrinagar, Patna- 800023/Chairman, SEAC, Bihar/Chairman, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-23/ Chief Conservator of Forest (C), Ministry of Environment & Forests, Regional Office (EZ), A/3, Chandrasekharpur, P.O. Rail Vihar, Bhubaneswar - 751023/, Advisor (EIA), Paryavaran Bhawan, Ministry of Environment & Forests, CGO Complex, Lodhi Road, New Delhi- 110003/ Gurad File.



(S.K. Karn)

Member Secretary

SEIAA, Bihar