



**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
BIHAR**

Ref No. **67/SEIAA/17.**

Patna-23, dated:- **13/06/17.**

From,

Prof. R. C. Sinha
Chairman,
SEIAA, Bihar

To,

Sri Rakesh Bhargava
(Vice President)
Shree Cement Ltd.,
Banguar Nagar, Post Box No.- 33,
Bewar, Rajasthan, India
Pin:- 305 901.

Sub: Environmental Clearance for the proponent "Expansion of Clinker Capacity of Existing Bihar Cement Plant from 3.6 to 4.5 Million TPA Cement (OPC, PPC, PSC & SSC & Wall Putty) and installation of a New Bihar Cement Plant of 5.5 Million TPA Cement (OPC, PPC, PSC & SSC & Wall Putty) at Plot No. NS - 24, NS - 29 & NS - 28(P), Aurangabad Industrial Growth Center (BIADA), District - Aurangabad (Bihar) is proposed by M/s Shree Cement Ltd. Village - Aurangabad Industrial Growth Center (BIADA), Tehsil - Aurangabad, District- Aurangabad, State- Bihar."

Sir,

This has reference to your application submitted vide letter dated 29th June, 2016 for environmental clearance, your final EIA application was appraised by SEAC in its meeting

Chairman
SEIAA, Bihar

held on 28th April, 2017 as per EIA Notification, 2006 and its amendment thereof. On the recommendation of SEAC, SEIAA in its meeting held on 24th May, 2017 accords Environmental Clearance with the following conditions. The salient features of the Project are as follows:-

Particular	Details
Name of the Project	Expansion of Clinker Capacity of Existing Bihar Cement Plant from 3.6 to 4.5 Million TPA Cement (OPC, PPC, PSC & SSC & Wall Putty) and installation of a New Bihar Cement Plant of 5.5 Million TPA Cement (OPC, PPC, PSC & SSC & Wall Putty) at Plot No. NS - 24, NS - 29 & NS - 28(P), Aurangabad Industrial Growth Center (BIADA), District - Aurangabad (Bihar) is proposed by M/s Shree Cement Ltd.
Proponent Name	Sri Rakesh Bhargava (Vice President)
Registered Address	Shree Cement Ltd., Banguar Nagar, Post Box No.- 33, Bewar, Rajasthan, India Pin:- 305 901.
Location of the Site	Village – Aurangabad Industrial Growth Center (BIADA), Tehsil – Aurangabad, District- Aurangabad, State- Bihar.
Schedule & Category	3 (b) Cement Plant and Category 'B'
Geo-Coordinates of the Project Site	Latitude- 24° 46' 18.80" N to 24° 46' 38.80" N Longitude- 84° 21' 00.80" E to 84° 21' 27.30" E
Land Area	67.64 Acres (27.37 ha) {existing unit :- 50.79 acres + Proposed unit:- 16.85 acres} No additional land will be required for the proposed.
Installed Production Capacity	3.6 MTPA
Water Requirement	1. Existing Water requirement (Plant+Colony):- 185 KLD 2. Proposed expansion of Bihar Cement Plant:- 25 KLD 3. New Bihar Cement Plant:- 140 KLD

	<p>4. Total Water requirement after proposed expansion:- 350 KLD</p> <p>Source:- Ground water (CGWA permission is available for 350 KLD)</p>
Power Requirement	<p>1. Existing (Grinding Unit):- 13.0 MW</p> <p>2. Domestic:- 0.5 MW</p> <p>3. Existing unit expansion:- 3.3 MW</p> <p>4. New unit requirement:- 19.5 MW</p> <p>5. Total after expansion:- 36.3 MW</p> <p>Source:- Bihar State Power Holding Company Limited and D.G. sets of total 1250 KVA capacity for power backup</p>
Manpower Requirement	<p>Existing:- 178 Persons, Additional:- 50 Persons</p> <p>Total after expansion:- 228 Persons</p> <p>Source:- Local people will be given preference for employment</p>
EMP Cost	<p>Existing:- Rs. 6.0 Crores.</p> <p>Proposed existing unit expansion:- 1.0 Crore</p> <p>New Cement Mill:- Rs. 8.0 Crores</p> <p>Total after proposed expansion:- Rs. 15.0 Crores.</p>
Recurring Cost	<p>Existing:- Rs. 30 Lakhs/annum</p> <p>Proposed Expansion:- 40 Lakhs/annum</p> <p>Total after Proposed Expansion:- 70 Lakhs/Annum</p>
Total Cost of the Project	<p>4,71,22,00,000/-</p> <p>1. Existing:- Rs. 470.39 Crore.</p> <p>2. Domestic Buildings:- Rs.35.50 Crore</p> <p>3. Expansion of existing Clinker Grinding Unit:- Rs. 21.22 Crore</p> <p>4. Proposed New Clinker Grinding Unit:- Rs. 450.00 Crore</p> <p>5. Total after expansion:- Rs. 977.1 Crore</p>
Green Belt Area	23 Acres (9.0 ha) (i.e. 33% of the total land Area)

A. Specific Conditions:

1. SPM 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.
2. 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 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.
3. The stack emission from various sources shall not exceed 50 mg/Nm³ as per the MoEF&CC notification G.S.R. 46(E) dated 03-02-2006.
4. Transportation of fly ash to the plant should be brought through tankers and stored in silo without any air pollution at transfer point.
5. Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.
6. 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.
7. Regular water sprinkling should be done on the roads inside the plant and other high potential areas to control the fugitive dust emission.
8. Suction head should be provided at all transfer dust emission.
9. Groundwater shall not be abstracted without prior permission of competent authority i.e., Central Ground Water Commission Board if applicable.
10. Clinker manufacturing is not permitted under this environmental clearance.

11. Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.
12. The unit must develop a separate water body 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.
13. Green belt shall be developed in 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.
14. 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.
15. Generators must be housed in acoustic enclosure and should meet the Central Pollution Control Board (CPCB) norms.
16. 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.
17. 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.
18. Adequate measures to be adopted to ensure industrial safety.
19. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.

20. No civil construction shall be constructed below the high tension wire passing through the proposed site of the unit.
21. Follow all the safety measures as per The Indian Electricity rules, 1956 & its amendment.

B. General Conditions:

1. 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.
2. 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.
3. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.
4. 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.
5. The project Proponent directed to deposit 10% of the CSR cost (2.5% of the total project cost) as security in the form of fixed deposit, in a nationalized bank, pledged in the name of SEIAA, Bihar and details along with time schedule for implementation shall be prepared and submitted to the SEIAA, Bihar.
6. No further expansion or modifications in the plant should be carried out without prior approval of the State Environmental Impact Assessment Authority Bihar.
7. The State Environment Impact Assessment Authority, Bihar, 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 BSPCB and SEIAA, Bihar regularly. This report shall be also put on the website of the Company and also regularly be updated.
8. In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.

9. The project Proponent should inform the public that the project has been accorded environmental clearance by 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.
10. 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.
11. The environmental clearance accorded shall be valid for a period of 7 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.
12. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal (NGT), if preferred within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.

C. Other points

1. The responsibility for implementation of environmental safeguards rest fully with the project proponent.
2. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority if that be so, legal action as per the provision of Environment (protection) Act, 1986.
3. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
4. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Bihar for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
5. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made

there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Bihar and any other Court of Law relating to the subject matter.

6. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

R.C. Sinha
(Prof. R.C.SINHA)

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