

By speed post



भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests
(IA Division)

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F. No. J-11011/310/2008-IA-II(I)

Dated : September 22, 2008

To

✓ M/s Zuari Cement Ltd.(Italcementi Group)
No-1, 10th main Jeevanbhimanagar,
Banglore-560075, Karnataka

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Sub: Expansion of Clinker production (3.38 MTPA to 4.30 MTPA) and cement production (4.39 to 5.40 MTPA) at Yerraguntla, Cuddapah District, Andhra Pradesh by M/s Zuari Cement Ltd. – Environmental Clearance reg.

Sir,

This has reference to your letter no. CO/YGL_Rev/EC/001 dated March 19, 2008 alongwith Form I and prefeasibility report seeking environmental clearance for the above project under the Environment Impact Assessment Notification, 2006.

2.0 The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for the expansion of Clinker production (3.38 MTPA to 4.30 MTPA) and cement production (4.39 to 5.40 MTPA) at Yerraguntla, Cuddapah District, Andhra Pradesh by M/s Zuari Cement Ltd. River Pageru flows at a distance of 1 Km from the plant site. Penneru river is located at distance of about 9.5 km. Niduzuvvi reserve forest is located at a distance of about 2.2 km in the western direction of the plant. The main plant, D.G. power plant and colony are located in an area of 200 ha. The expansion of new line will be implemented at an additional cost of Rs 388 Crores. The expansion of Clinker production (3.38 MTPA to 4.30 MTPA) and cement production (4.39 to 5.40 MTPA) will be achieved as detailed below:

Unit – I (existing) : By upgradation

Clinker increase is from 1.815 to 2.0 MTPA

Cement is from 2.08 to 2.5 MTPA

Unit – II (under implementation) : By increase of unit sizes

Clinker increase is from 1.56 to 2.3 MTPA

Cement is from 2.31 to 2.9 MTPA

3.0 Electrostatic Precipitator (ESP) and bag filters will be installed for control of source emissions to achieve particulate emission below 50 mg/Nm³. The fugitive dust generated from material transfer points will be controlled by installing bag filters. Water requirement of the Cement plant and colony including all the existing consuming units will increase from 1300 to 1500 m³/day which will met from Penneru river bed borewell at Hanumangutti located at distance of 15 km. Wastewater generated from domestic activities will be treated in sewage treatment plant.

4.0 Public hearing is not required as per para 7(ii) of the EIA Notification 2006.

5.0 The Ministry of Environment and Forests, hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006 subject to the compliance of the following Specific and General conditions:

A SPECIFIC CONDITIONS:

- i) The company shall provide Electrostatic Precipitator (ESP) to Kiln Raw mill, Cement mill in existing plant and bag filters to the cement mill, raw mill, crushers, storage silos etc for control of particulate emissions. The stack emissions from various sources shall not exceed 50 mg/Nm³.
- ii) Bag house/ filters shall be provided to control the fugitive emissions generated during, material transfer, Packing, loading and unloading. The project authorities shall store all the raw materials except limestone in the covered sheds to control fugitive emissions.
- iii) The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Andhra Pradesh Pollution Control Board (APPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.
- iv) Total ground water requirement shall not exceed 1500 KLD. The project authorities shall install sewage treatment plant to treat domestic sewage and treated sewage shall be utilized for the green development. No waste water shall be discharged outside the premises and 'zero' discharge shall be ensured.
- v) The company shall obtain prior permission for drawl of ground water from the Central Ground Water Authority/ Central Ground Water Board and a copy shall be submitted to the Ministry's Regional Office at Bangalore within three months from date of issue of this letter.
- vi) The project authorities shall make all out effort to use high calorific value hazardous waste in the kiln and accordingly, necessary provision in the kiln shall be made.



- vii) The flyash generated from the captive power plant shall be handled in dry silos and shall be utilized 100% for manufacturing of Pozzolana cement.
- viii) The project authority shall transport the raw material and the product in covered means.
- ix) The green belt shall be developed in minimum 33% of the project area as per the guidelines of Central Pollution Control Board to mitigate the effect of fugitive emission.
- x) The project authorities shall provide a health center with all emergency medicines and ambulance alongwith full time doctor. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.
- xi) The company shall comply with all the Stipulations made in the environmental clearances issued to the plant by the Ministry.
- xii) The company shall prepare the conservation plan for the reserve/protected forests located within radius of 5 km from the plant and submit to the State Forest Department, A.P. & recommendations, if any shall be implemented.
- xiii) All the recommendations mentioned in the CREP guidelines for the cement shall be followed and complied.
- xiv) The company shall obtain separate environmental clearance for the limestone mines from the Ministry for the enhanced capacity.

B. GENERAL CONDITIONS

- (i) The project authorities shall strictly adhere to the stipulations of the APPCB/State Government or any other statutory body.
- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (iii) The gaseous emissions (SO₂, NO_x) and particulate matter levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.



- (iv) The company shall undertake following Waste Minimization measures.
- Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - Use of "Closed pneumatic" system for transport of fine material.
 - All venting systems shall be connected with dust arresting equipments.
 - Dust collected in pollution control equipments shall be reused.
- (v) Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits stipulated by the State Pollution Control Boards/Central Pollution Control Board.
- (vi) 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 shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (vii) The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended and Hazardous Waste (Management and Handling) Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- (viii) Rainwater harvesting shall be done within the premises. Ground water recharge structures shall be installed around the plant area in consultation with local authorities to contain the ground water table.
- (ix) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.
- (x) The project authorities shall earmark the adequate fund to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- (xi) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.



- (xii) The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.
- (xiii) 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 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 concerned Regional Office of the Ministry.
- (xiv) The 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 start of the project.

6.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

7.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.

8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

9.0 The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.




(H.S. Malviya)
Joint Director

Copy to :-

1. The Secretary, Department of Environment and Forests, Govt. of A.P., Secretariat Hyderabad, A.P.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.

3. The Chairman, Andra Pradesh Pollution Control Board, Paryavaran Bhavan, A-3 Industrial Estate, Sanathnagar, Hyderabad- 500018, A.P.
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F wings 17th Main Road, Koramangala II Block, Bangalore-560034, Karnataka.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
6. Guard file.
7. Record file
8. Monitoring file.



(H.S. Malviya)
Joint Director