

**Dr. R. ANNAMALAI, I.F.S.,**  
DIRECTOR OF ENVIRONMENT  
AND MEMBER SECRETARY



**STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT AUTHORITY,  
TAMILNADU,**

4D, Panagal Building, 1 Jennis Road,  
Saidapet, Chennai- 600 005.

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**No.SEIAA/TN/EC/3(b)/004/F-175/2009 Dated: 30 .07.2009.**

To

The Managing Director,  
M/s. Jeppiar Cements Private Ltd,  
Thittakudi Road, Near Marudaiyan Kovil,  
Melamathur village, Kunnam Taluk,  
Perambalur District.

Sir,

Sub: SEIAA - M/s. Jeppiar Cement Private Ltd, S.F.No. 508/1-9, 508/11,12 & 511/1-5 of Melamathur village, Kunnam Taluk, Perambalur District – Cement Plant - Enhancement of production capacity from 150 TPD to 450 TPD - Environmental Clearance - Regarding.

This has reference to your application for Environmental Clearance was received on 20.10.2008 by the State Level Environment Impact Assessment Authority (SEIAA), Tamil Nadu. The proposal has been appraised by the State Level Expert Appraisal Committee in its meetings held on 19<sup>th</sup> & 20<sup>th</sup> December 2008 and May 21<sup>st</sup> & 22<sup>nd</sup> 2009 as per the prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application Viz., the Application Form- I, EMP & EIA report based on the TORs prescribed by the SEAC and and further details furnished by the proponent.

It is noted, interalia that the project proposal involves enhancement of production at S.F.No. 508/1-9, 508/11, 12 & 511/1-5 of Melamathur village, Kunnam Taluk, Perambalur District to manufacture Cement from 150 TPD to 450 TPD. The total land available is 12 Acres and green belt has been proposed in 2.7 ha. No ecologically sensitive area exists within 10 Km periphery of the project site. The project does not involve any Rehabilitation & Resettlement. The cost of the project is Rs. 7 crores.

In addition to the existing quantity, it is proposed to utilize additional quantity of raw materials Limestone - 9905 TPM, Fly ash - 1530 TPM, Gypsum - 450 TPM, Clay - 1193 TPM, Pet coke - 835 TPM for the proposed enhancement of production of cement. Power requirement of 1000 KW for the expansion will be met from TNEB grid and with backup D.G Set of 1 no 62.5 KVA capacity. The water requirement will be 59.3 KLD which will be met through bore wells. No trade effluent will be generated and 8 KLD of sewage will be generated during operation. Sewage will be treated in the septic tank followed by soak pit. Bag filters for crusher, raw mill tunnel & silos and cyclone dust collector for clinker crusher will be provided to control particulate matter emission. Solid waste from the process & from the Air Pollution control measures will be re-used in the process.

The project activity is listed at 3 (b) and is of B2 Category in the Schedule of EIA Notification, 2006, no Public Hearing / Consultation is required for the project as per para 7(ii) of EIA Notification 2006.

The SEAC after due consideration of the relevant documents and information submitted by the Project Proponent has recommended to the SEIAA, Tamil Nadu to grant Environmental Clearance to this project subject to certain conditions. The proposal was considered by the SEIAA, Tamil Nadu in its meeting held on 29.07.2009, and as the public consultation is not required for the project, the SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 based on the recommendations of the SEAC subject to the strict compliance of the following terms and conditions.

**A. SPECIFIC CONDITIONS - Environment Management Measures**

- i) "Consent for Establishment" for expansion shall be obtained from Tamil Nadu Pollution Control Board and a copy shall be furnished to the SEIAA, Tamil Nadu before taking up any construction activity at the site.
- ii) No trade effluent shall be generated from the process section.
- iii) Solid waste viz. cement dust etc. from the air pollution control equipments (bag filters etc.) shall be properly recycled and reutilized in the process itself for cement manufacturing. No solid waste shall be disposed off outside the factory premises.

- iv) The stack emissions from all the sources shall not exceed 50 mg/Nm<sup>3</sup>. Cyclone separator with highly efficient bag filters shall be provided to control emissions from grinding and packing unit and transfer points so that the emissions are within 50 mg/Nm<sup>3</sup>.
- v) Grinding shall be carried out in closed system. 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.
- vi) The fugitive emissions during loading and unloading shall be suitably controlled. Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the Tamil Nadu Pollution Control Board/Central Pollution Control Board.
- vii) The Proponent shall provide adequate Air Pollution Control Measures to various emission sources to satisfy the Ambient Air Quality/Emission standards prescribed by the Tamil Nadu Pollution Control Board.
- viii) Ambient air quality monitoring stations (AAQM) shall be set up as per statutory requirement. The locations of ambient air quality monitoring stations shall be decided in consultation with the Tamil Nadu Pollution Control Board and it shall be ensured that at least one station is installed in the up wind and another in the downwind direction as well as where maximum ground level concentrations are anticipated.
- ix) A stack of adequate height based on the capacity of the DG set shall be provided for control and dispersion of pollutants from the DG set.
- x) The water requirement shall not exceed 59.3 KLD which shall be met from the bore wells.
- xi) The Proponent shall provide anti-vibrating pad to ball mill to mitigate the noise to satisfy the Ambient Noise Level Standards prescribed by the Tamil Nadu Pollution Control Board.
- xii) 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 the Environment (Protection) Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- xiii) The Proponent shall provide adequate width of Green belt to control fugitive emission & noise and shall be developed in 33 % area as per the CPCB guidelines in a time bound manner.
  - xiv) The Proponent shall furnish an undertaking that they will abide by the conditions / recommendations mentioned in the EIA / EMP report furnished by them.
  - xv) It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance.
  - xvi) The Proponent must obtain ground water clearance from the Competent Authority for drawal of ground water.
  - xvii) Air Pollution Control Measures for packing section shall be provided.

## **B. GENERAL CONDITIONS:**

- i) The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearance from other statutory and administrative authorities.
- ii) No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted for clearance, a fresh reference shall be made to the SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii) Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.
- iv) Proper House keeping programmes shall be taken up.
- v) Usage of Personal Protective Equipments (PPEs) by all employees/workers shall be ensured.
- vi) The Project proponent shall harvest surface as well as rainwater from the rooftops of the buildings proposed and storm water drains to recharge the ground water.
- vii) The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EMP report.
- viii) A separate Environmental Management Cell shall be set up to carry out the Environmental Management and Monitoring functions.

- ix) The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that
  - i) The project has been accorded Environmental Clearance.
  - ii) Copies of clearance letters are available with the Tamil Nadu Pollution Control Board.
  - iii) Environmental Clearance may also be seen on the website of the SEIAA.

The advertisement should be issued within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the SEIAA.

- x) The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xi) The SEIAA reserves the right to stipulate additional conditions, if found necessary. The Proponent shall implement these conditions in a time bound manner.
- xii) The above conditions will 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, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- xiii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the competent authorities.
- xiv) The Environmental Statement for each financial year ending 31st March in Form-V as is mandated has to be submitted by the project proponent to the Tamil Nadu Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF, Bengaluru by e-mail.
- xv) The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; SPM,

RSPM, SO<sub>2</sub>, NO<sub>x</sub> (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.

xvi) A copy of the clearance letter shall be sent by the proponent to the Commissioner, Alathur Panchayat Union, Kunnam Taluk, Perambalur District 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 website of the Company by the proponent.

xvii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, Bengaluru, the Zonal Office of CPCB, Bengaluru and the TNPCB. This shall also be put on the website of the Company by the proponent.

Member Secretary,  
State Level Environment Impact  
Assessment Authority,  
Tamil Nadu.

Copy to:-

1. The Principal Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai-9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
4. The CCF, Regional Office, Ministry of Environment & Forest (SZ), Kendriya Sadan, IV floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore - 560034.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
6. The Commissioner, Alathur Panchayat Union, Kunnam Taluk, Perambalur District
7. Stock File.