

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



**STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,**
Tamilnadu Pollution Control Board
Premises,
76, Mount Salai, Guindy,
Chennai- 600 032.

No.SEIAA/TN/EC/3(b)/003/F-191/2009 Dated: 26 .06.2009.

To

**The Authorised Signatory,
M/s. Cheyyar Cement Company Private Ltd,
Balaji Villa, No.29 & 30, D'Silva Road,
Mylapore,
Chennai - 600 004.**

Sir,

Sub: SEIAA - M/s. Cheyyar Cement Company Private Ltd, S.No. 341/2, 341/3 of Kazhiyur Village and S.No. 216/1,2,3, 217/1,2, 218, 219/1, 2C, 2D/4A, 2E/4B, 224/6, 225/2,3,1B, 225/1A/1 of Puliyambakkam Village, Cheyyar Taluk, Thiruvannamalai District. - Cement Grinding Unit (1500 TPD) - Environmental Clearance - Regarding.

This has reference to your application for Environmental Clearance was received on 1.12.2008 by the State Environment Impact Assessment Authority (SEIAA), Tamil Nadu. The proposal has been appraised by the State Level Expert Appraisal Committee in its meeting held on 19th – 20th March 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 report and further details furnished by the proponent.

It is noted, interalia that the project proposal involves establishment of an industry for grinding of cement clinker with gypsum and fly ash at S.No. 341/2, 341/3 of Kazhiyur Village and S.No. 216/1,2,3, 217/1,2, 218, 219/1, 2C, 2D/4A, 2E/4B, 224/6, 225/2,3,1B, 225/1A/1 of Puliyambakkam Village, Cheyyar Taluk, Thiruvannamalai District to manufacture Cement – 1500 TPD. The total land available is 20 Acres. 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. 495 Lakhs.

It is proposed to utilize Cement clinker 1200 TPD, Fly ash 10 TPD, Gypsum 290 TPD as raw materials. Power requirement will be met from TNEB grid and with backup D.G Sets of 2 nos 630 KVA capacity. The water requirement will be 18.8 KLD which will be met through bore well. No trade effluent will be generated and 15 KLD of sewage will be generated during operation. Sewage will be treated in Sewage Treatment Plant of 15 KLD capacity. The treated sewage will be used for gardening/ landscaping. Bag filters 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.

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 15.05.2009, 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" 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) The sewage generated shall be treated in the Sewage Treatment Plant of 15 KLD capacity. The treated sewage shall be used for gardening/ landscaping.
- iii) No trade effluent shall be generated from the process section.
- iv) Solid waste viz. fly ash and 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.

- v) The stack emissions from all the sources shall not exceed 50 mg/Nm³. 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/Nm³.
- vi) 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.
- vii) 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.
- viii) 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.
- ix) 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.
- x) 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.
- xi) The water requirement shall not exceed 18.8 KLD which shall be met from the bore wells.
- xii) 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.
- xiii) 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).

- xiv) 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.
- xv) The Proponent shall furnish an undertaking that they will abide by the conditions / recommendations mentioned in the EMP report furnished by them.
- xvi) It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance.
- xvii) The Proponent must obtain ground water clearance from the Competent Authority for drawal of ground water.
- xviii) Air Pollution Control Measures for packing section must 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.

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, Cheyyar Panchayat Union, Cheyyar.
7. Stock File.