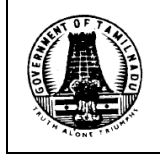


Dr. R.ANNAMALAI,I.F.S.,
DIRECTOR OF ENVIRONMENT
AND MEMBER SECRETARY



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

Tamilnadu Pollution Control Board
Premises,
76, Mount Salai, Guindy,
Chennai- 600 032.

Lr .No.SEIAA/TN/EC/3(a)/002/F-093/2008 Dated: 06.11.2008

To,

The Director,
M/s. Rai Steel & Energy Pvt. Ltd,
403,T.H.Road, Tiruvottiyur,
Chennai- 600 019.

Sir,

Sub: SEIAA - M/s. Rai Steel & Energy Pvt. Ltd, Plot. No.14,SIPCOT Industrial Complex, Gummidipoondi,Thiruvallur District – M.S Ingots Manufacturing unit (3000 TPM) - Environmental Clearance - Regarding.

This has reference to your application No. Nil dated 23th May 2008 submitted to the State Environment Impact Assessment Authority (SEIAA), Tamil Nadu, for Environmental Clearance. The proposal has been appraised by the State Level Expert Appraisal Committee in its meeting held on 17th – 19th July 2008 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, REIA-EMP report.

It is noted, interalia that the project proposal involves production of Mild Steel Ingots – 3000 TPM. 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. 7.81 Crores.

It is proposed to utilize Mild Steel scraps – 3180 TPM, Ferro Manganese – 9.65 TPM & Ferro Silicon – 0.35 TPM as raw materials. Power requirement shall be met from TNEB grid and with backup D.G Set 1 x 180 KVA. The water requirement will be 16 KLD which will be met through SIPCOT supply. 6.4 KLD trade effluent will be generated from cooling water blow down and 1.9 KLD of sewage shall be generated during operation.

Sewage will be treated in Sewage Treatment Plant and used for green belt development. Cooling water blow down will be used for green belt development.

Cyclone separator and bag filters will be provided to control particulate matter emission from the Electric Induction Furnace. Solid waste from the process & from the Air Pollution control measures will be sold to down stream users viz., cement manufacturers.

The project activity is listed at 3 (a) and is of B2 Category project in the Schedule of EIA Notification, 2006. Public Hearing / Consultation not required for the project as it is located in a notified industrial estate, SIPCOT Industrial Complex, Gummidipoondi, Thiruvallur District.

Based on the information submitted by you, the SEAC after due consideration of the relevant documents and additional particulars 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 SEIAA, Tamil Nadu in its meeting held on 24.10.2008 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 terms and conditions as follows:

A. SPECIFIC CONDITIONS - Environment Management Measures

- i. The sewage generated shall be treated in Sewage Treatment Plant and used for green belt development after satisfying the standards prescribed by the TNPC Board
- ii. Cooling water blow down shall be used for green belt development after satisfying the standards prescribed by the TNPC Board.
- iii. The water requirement shall not exceed 16 KLD which shall be met from SIPCOT supply.
- iv. Cyclone separator, bag filter and fume extraction system shall be provided to the electric induction furnace to control air emissions. Data on ambient air quality and stack emission shall be regularly submitted to MoEF, GOI, Regional Office at Bangalore/TNPCB once in six months.
- v. In-plant control measures like tarring of roads, green belt and good house keeping shall be installed within the plant premises to control fugitive emissions from all the vulnerable sources like raw material handling and storage areas.
- vi. The fugitive emissions during loading and unloading and from the furnace shall be suitably controlled and shall conform to the limits prescribed by TNPCB. Monitoring of fugitive emissions in the work zone environment shall

be carried out regularly as per the CPCB guidelines and reports submitted to TNPCB/MoEF, GOI, Regional Office at Bangalore.

- vii. Sludge from sewage treatment plant shall be dried and used as manure.
- viii. Solid waste viz. slag and dust etc. from the air pollution control equipments (bag filters etc.) shall be properly disposed through down stream users viz., cement manufacturers. No solid waste shall be disposed off outside the factory premises.
- ix. The Project proponent shall install slag grinding unit and the entire slag/solid waste collected from the Air Pollution Control system should be utilized in the cement plants as committed.
- x. The Project proponent shall provide adequate safety and ventilation arrangements in furnace area.
- xi. The Project proponent shall carryout periodical health check-up for the employees so as to comply with the occupational safety and health requirements.
- xii. The stack emissions from all the sources shall not exceed 50 mg/Nm³. 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.
- xiii. Ambient air quality monitoring stations (AAQM) stations 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.
- xiv. 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.
- xv. 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) Rules, 1989.
- xvi. 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.
- xvii. The Proponent shall furnish an undertaking that they will abide by the conditions / recommendations mentioned in the REIA report furnished by them.

- xviii. 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.

B. GENERAL CONDITIONS:

- 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 of any construction activity at the site.
- ii) 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.
- iii) 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.
- iv) Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act,1948.
- v) Proper House keeping programmes shall be taken up.
- vi) Usage of Personal Protective Equipments (PPEs) by all employees/workers shall be ensured.
- vii) 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.
- viii) The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EMP report.
- ix) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- x) 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.

- xi) The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xii) The SEIAA reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- xiii) 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 Environmental Impact
Assessment Authority,
Tamil Nadu.

Copy to:-

1. The 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. Stock File.