

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)/ 006/F-167/2009 / Date: 5.05.2009

To

The Managing Partner,
M/s.Jet Associates,
(Jeppiar Furnace Division),
No.29, Ganapathy Street,
Royapettah,
Chennai-600 014.

Sub: SEIAA - M/s.Jet Associates, (Jeppiar Furnace Division), S.No
33/1,4,5,6,7,8, 34/5A3, 5A5, 5A6A, 5A6B, 5A7, 5A8, 35/4C, 4D, 5A,
5B, 5C, 5D, 5E, 6A, 6B, 7A, 7B, 2A, 2B, 2C, 2D, 2E, 39/5B, 5B2,
10,11,12,13A, 13B, 40/1A2, Kunnavakkam Village, Kancheepuram
Taluk, Kancheepuram District – M.S.Billets Manufacturing unit (82500-
TPM)-Environmental Clearance-Regarding.

Sir,

This has reference to your application No. Nil, dated 10.12.2007 submitted to the Ministry of Environment & Forests Govt.of India, Delhi seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006. Later, the SEIAA, Tamil Nadu had received this application from the Ministry of Environment & Forests, Government of India, on 26.09.2008 after formation of the State Level Environment Impact Assessment Authority (SEIAA), and the State Expert Appraisal Committee (SEAC), for Tamil Nadu. The proposal has been appraised by the State Level Expert Appraisal Committee (SEAC) in its meetings held on 16th & 17th September 2008, 19th & 20th December 2008 and 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, TOR issued by the MoE&F, REIA-EMP report.

It is noted, interalia that the project proposal involves production of M.S.Billets - 82,500 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.35.16 Crores.

It is proposed to utilize sponge Iron – 17000 TPA, MS scraps-67,000 TPA, Pig Iron – 8500 TPA as raw materials along with small quantities of silico manganese, Ferro silicon, Ferro aluminium / Aluminium notch bar. Power requirement of 10 MW shall be met from TNEB grid and with backup DG set 1 number of 600 KVA capacity. The water requirement will be 75 KLD which will be met through bore wells. 65 KLD of water will be used for cooling tower, 3 KLD for canteen purpose, 3 KLD for other plant utilities and 4 KLD for domestic purpose. Venturi scrubber with stack will be provided to control emission from the induction furnace.

Sewage (4 KLD) and canteen waste (3 KLD) will be treated in the Sewage Treatment Plant of capacity 10 KLD and the treated sewage will be utilized for gardening. Cooling water blow down will be used for green belt development. Solid waste (slag) from the process will be sold to cement manufacturers and scale & scrap will be reused in the furnace as raw material.

The project activity is listed at 3(a), c (ii) and is of B1 category project included in the Schedule of EIA Notification, 2006. Public Hearing was conducted on 13.06.2008 at District Collector's Office, Kancheepuram as required for the project.

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 28.04.2009 and as the public consultation was also carried out as 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 the 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. Trade effluent generated from the unit shall be treated in the Effluent Treatment Plant consisting of clarifier, sludge pond, oil traps and mechanical skimming devices, pressure filters, vaccum drum filters and shall be recirculated as proposed by the proponent after satisfying the standards prescribed by the TNPC Board.

- iii. The sewage generated shall be treated in the Sewage Treatment Plant consisting of collection tank, aeration tank, settling tank, treated water collection tank, sand filter, activated carbon filter, UV disinfection and the treated sewage shall be utilized for gardening after satisfying the standards prescribed by the Tamilnadu Pollution Control Board.
- iv. Bio sludge generated from the treatment system shall be vermi composted and shall be utilized as manure.
- v. Any hazardous waste including biomedical waste shall be disposed off as per applicable rules & norms with necessary approval of the Tamil Nadu Pollution Control Board.
- vi. Water requirement shall not exceed 75 KLD which shall be met from the bore wells.
- vii. The proponent shall obtain permission from appropriate Ground Water authority for drawal of ground water.
- viii. Mechanical dewatering arrangements for sludge drying have to be provided.
- ix. The Project proponent shall install the Air Pollution Control system as reported.
- x. Venturi scrubber and fume extraction system shall be provided to the induction furnace (25 T) to control air emissions and to achieve Ambient Air Quality /Emission standards prescribed by the TNPC Board. Data on ambient air quality and stack emission shall be regularly submitted to Regional Office, MoEF, GOI at Bangalore/TNPCB once in six months.
- xi. 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. 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.
- xii. Solid waste viz. slag shall be properly disposed for further beneficial purposes. Scale & scrap waste shall be re-used in the melting furnace.

- xiii. The Project proponent shall provide adequate safety and ventilation arrangements in furnace area.
- xiv. The Project proponent shall carryout periodical health check-up for the employees so as to comply with the occupational safety and health requirements.
- xv. 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.
- xvi. 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.
- xvii. 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.
- xviii. 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.
- xix. Stringent measures to be taken to prevent odour nuisance arising out of the production and waste disposal process.
- xx. A separate Cell with adequate technically competent staff should be appointed to operate the Environmental Control measures and who should report directly to the top Executive of the plant premises.
- xxi. The Proponent shall provide adequate width of Green belt to control fugitive emission & noise and greenbelt shall be developed in 33 % area as per the CPCB guidelines in a time bound manner.

- xxii. The Proponent shall furnish an undertaking that they will abide by the conditions / recommendations mentioned in the REIA report furnished by them.
- xxiii. 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) The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearance from the concerned 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,1948.
 - iv) Proper House keeping programmes shall be implemented.
 - 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) 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.
- ix) The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

- x) The SEIAA reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- xi) The above conditions will be enforced, interalia under the provisions of 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 Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Member Secretary,
State 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. The E.O.,
Kunnavakkam Town Panchayat,
Kunnavakkam Village, Kancheepuram District.
7. Stock File.