

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



**STATE LEVEL ENVIRONMENT
IMPACT ASSESSMENT AUTHORITY,
TAMILNADU,
4D, Panagal Maligai, No.1, Jeenis Road,
Saidapet, Chennai-15.**

Lr.No.SEIAA/TN/EC/3 (a)/ 010/F-188/2009 / Dated:29.08.2009

To

The Director,
M/s. Trans Asia Steels Private Ltd.,
5/3, Fifth Street, Rutland Gate,
Nungambakkam,
Chennai – 600 034.

Sir,

Sub: SEIAA – TN - M/s. Trans Asia Steels Private Ltd., L-3, SIPCOT Industrial Complex, Mukundarayapuram Village, Ranipet, Vellore District – Proposed Steel Melting Plant - Environmental Clearance – Reg.

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This has reference to your application No. Nil Dated: 18.11.2008 submitted to the State Level Environment Impact Assessment Authority, (SEIAA), Tamil Nadu, for Environmental Clearance. The proposal has been appraised by the State Level Expert Appraisal Committee (SEAC) in its meetings held on 19th & 20th December 2008, 19th & 20th March 2009, 29th and 30th of June, 2009 and letter No.SEAC/Minutes/M-XII/2009/dt.20.8.09 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, TOR and REIA report.

It is noted, interalia that the project proposal involves the production of Rolled TMT bars – 60,000 MT/Annum by installing 2 Nos. Induction furnaces and one Reheating furnace plant. 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. 50 Crores.

It is proposed to utilize Sponge Iron / MS scraps – 5300 TPM, Ferro alloys – 53 TPM and Coal – 6250 TPM as raw materials. Power requirement will be met from TNEB grid and with backup D.G.Set of 500 KVA capacity. The water requirement will be 64 KLD which will be met through SIPCOT Water Supply.

22 KLD of trade effluent will be generated from the cooling tower and 1.6 KLD of sewage will be generated.

Sewage will be treated in the septic tank followed by dispersion trench and the trade effluent will be used for green belt development. Cyclone Separator bag filters and water spray scrubber will be provided to control particulate matter emission. Solid waste from the process will be sold to cement manufacturers and for filling low lying areas.

The project activity is listed at 3 (a) and is of B1 Category project in the Schedule of EIA Notification, 2006. No Public Hearing/Consultation is required for the project as the activity is proposed in SIPCOT Industrial Complex. The SIPCOT vide Lr.No.D1/RPT/TASPL/2008/dt.13.02.09 has informed that action for providing necessary infrastructure facilities like roads, street lighting, sewerage and drainage has been initiated for setting up of the unit M/s.Trans Asia Steels Private Ltd, Ranipet, Vellore 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 21.08.2009 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 terms and conditions stipulated below:

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. Scrubber water shall be solar evaporated in adequate impervious solar evaporation pans.
- iii. The water requirement shall not exceed 64 KLD which will be met through SIPCOT water supply.
- iv. For extraction of water the applicant should obtain necessary permit/permission from the State/Central Ground Water Authority for the extraction of ground water for accessing supply to the project.
- v. Cyclone Separator/bag filters and water spray scrubber to electric induction furnaces shall be provided to control the SPM emissions. Data on ambient air quality and stack emission shall be regularly submitted to Regional Office, MoEF, GOI at Bengaluru/TNPCB once in six months.
- vi. Adequate APC measures shall be provided for the coal storage yard.
- vii. 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.
- viii. The fugitive emissions from the furnace during loading and unloading shall be suitably controlled and shall conform to the limits prescribed by the 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 Bengaluru.
- ix. Solid waste viz. slag shall be properly disposed for land filling & to cement manufacturers. No solid waste shall be disposed off outside the factory premises.
- x. The Project proponent shall provide adequate safety and ventilation arrangements in the furnace area.

- xi. A separate Cell with adequate technically competent staff should be appointed to operate the Environmental Control measures who should report directly to the top Executive in the plant premises.
- xii. The Project proponent shall carryout periodical health check-up for the employees so as to comply with the occupational safety and health requirements.
- xiii. 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.
- xiv. Ambient air quality monitoring (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.
- xv. 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.
- xvi. 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.
- xvii. 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.
- xviii. The Proponent shall furnish an undertaking that they will abide by the conditions / recommendations mentioned in the REIA report furnished by them.

- xix. Mechanical dewatering arrangements for disposal of sludge shall be installed.
- xx. For controlling the fugitive emissions necessary APC measures shall be provide.
- xxi. The details of area earmarked for the solid waste storage and disposal shall be furnished.
- xxii. 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 roof tops of the buildings proposed and storm water drains to recharge the ground water.
- vii) 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.

- viii) The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- ix) The SEIAA reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- x) 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.
- xi) 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.
- xii) The Environmental Statement for each financial year ending 31st March in Form-V which 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.
- xiii) 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, SO₂, NO_x (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.

- xiv) A copy of the clearance letter shall be sent by the proponent to the Commissioner, Wallajahpettai Panchayat Union, Ranipet, Vellore 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.

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 Chairman and Managing Director, SIPCOT, Chennai-600 008.
7. The Project Manager, SIPCOT Industrial Complex, Ranipet.
8. The Commissioner, Wallajahpettai Panchayat Union, Wallajahpettai, Vellore District.
9. Stock File.