

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



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

4-D, Panagal Maligai, 1 Jeenis Road,
Saidapet,
Chennai-600 015.

Letter No. SEIAA / TN/EC/3(a)/008/F- 129/ 2009 / dt.03.08.2009

To

The Deputy Director,
M/s.ARS Metals Pvt.Ltd,
D-109, 2nd Floor, LBR Complex,
Anna Nagar East,
Chennai-600 102.

Sir,

Sub: SEIAA – M/s.ARS Metals Pvt.Limited, B-1/S, SIPCOT Industrial Complex, Gummidipoondi, Thiruvallur District-proposed M.S.Billets manufacturing unit - Environmental Clearance for expansion - reg.

This has reference to your application No.Nil dated 29.7.2008 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 16th & 17th September 2008 and 17th February 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-1, Feasibility report, EMP report.

It is noted, interalia that the project proposal involves installation of new electric induction furnace and billet mill to manufacture 8400 TPM MS billets in addition to the existing activity of manufacturing M.S.Ingots and rolled steel products in the plant premises at B-1/S, SIPCOT Industrial Complex, Gummidipoondi. 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 expansion project is Rs.20.63 crores.

It is proposed to utilize M.S.Scrap-9540 T/M, Ferro Alloys – 162 (T/M), Coal (for producer gas)-550 T/M, furnace oil – 75 KL/M as raw materials. Power requirement of 9000 KVA will be met from TNEB grid and with backup D.G.sets of 1 No.500 KVA and 750 KVA capacity during shut down and maintenance. The water requirement will be 50 KLD (20 KLD for existing) which will be met from the existing bore well permitted by SIPCOT vide Lr.No. D-1/GMP/EPIP/2004/dt.28.10.2004. 4 KLD of sewage will be generated and sewage will be treated in the existing Sewage Treatment Plant consisting of bar screen chamber, aeration tank, settling tank, PSF, ACF, Chlorination tank and sludge drying beds. The treated sewage and cooling water blow down will be used for green belt development. Cyclone separator, fume extractor and bag filter will be provided to control particulate matter emission from the induction furnace proposed. Solid waste from the process and from the Air Pollution Control Measures will be sold to cement manufacturers and construction industries.

The project activity is listed at 3(a) and is of 'B' category project in the Schedule of EIA Notification, 2006. No Public Hearing/Consultation is required for the project as the unit is located in the SIPCOT Industrial Complex.

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 the SEIAA, Tamil Nadu in its meeting held on 29.7.2009 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" for expansion 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. The sewage generated shall be treated in the existing STP and shall be utilized for green belt development after satisfying the standards prescribed by the TNPCB.
- iii. For disinfection of waste-water, system using ultra violet radiation shall be adopted.
- iv. Scrubber water shall be solar evaporated in adequate impervious solar evaporation pans.
- v. The water requirement shall not exceed 50 KLD which shall be met from the bore well permitted by the SIPCOT.
- vi. Cyclone separator / bag filter to electric induction furnace 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 Bangaluru/TNPCB once in six months.
- 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 Bangaluru.
- ix. Solid waste viz. slag shall be properly disposed for land filling & to cement manufacturers as committed. 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 of 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 EMP 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 provided.
- xxi. 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 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.
- 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, Gummidipoondi Panchayat Union, Thiruvallur 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 Project Officer, SIPCOT Industrial Complex, Gummidipoondi.
7. The Commissioner, Gummidipoondi Panchayat Union, Gummidipoondi, Thiruvallur District.
8. Stock File.