

F. No. J-11011/273/2009- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003
E-mail: ms.industry-mef@nic.in
Tele/fax: 011 – 2436 3973
Dated: August 27th, 2010

To,
The Director,
M/s Srinath Metal (P) Ltd.
Brindavan, 6-3-596/77/31A-1
Road No. 1, Banjara Hills
Hyderabad- 500 034, Andhra Pradesh.

E-mail: yawan@rediffmail.com

Sub: Expansion of Induction Furnace (Ingots / billets 30,000 TPA to 72,000 TPA) and installation of Ferro Alloy Plant (Fe-Sn/Fe-Mn 42,000 TPA), Rolling Mill (M.S. Bars/Structurals, 72,000 TPA) at Sy. No. 445 & 463, Village Elliketta, Mandal Farooqnagar, Pargi Road, Mehboob Nagar, Andhra Pradesh by M/s Srinath Metal (P) Limited Environmental Clearance - regarding.

Sir,
This has reference to your letter no. nil dated 30th November, 2009 and subsequent communications dated 5th April, 2010 and 22nd July, 2010 along with a copy of EIA/EMP report and additional information seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Srinath Metal (P) Ltd. have proposed for expansion of (Ingots/billets 30,000 TPA to 72,000 TPA) and installation of Ferro Alloy Plant (Fe-Sn / Fe-Mn 6,000 TPA), Rolling Mill (M.S. Bars/Structures, 72,000 TPA) at Sy. No. 445 & 463, Village Elliketta, Mandal Farooqnagar, Pargi Road, A. P. Total project area is 7.22 acres of which 2.5 acres will be developed under green belt. NH-7 is at 6 km distance. No National Park/Wildlife Sanctuary and Biosphere Reserve is located within 10 km radius of the project site. Mysore Kammadhanam RF is located within 10 km distance. Total cost of the project is Rs. 20 Crores. Rs. 2.0 Crores and Rs. 0.20 Crores has been earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures.

3 Following are the details of the existing and proposed facilities:

S.N.	Facility	Products	Quantity (TPD)	Quantity (TPA)
	Existing :			
1	Induction furnace (4.5 TPH)	Ingots/billets	100 TPD	30,000 TPA
	Proposed :			
1	Induction Furnace (4.5 to be upgraded to 12.0 TPH with 1 crucible in standby)	Ingot/billets	240 TPD	72,000 TPA
2	Ferro Alloy Plant (25 MVA)	Fe-Si / Fe-Mn	140 TPD	42,000 TPA
3	Rolling Mill (12 TPH)	MS. Bars / Structures	240 TPD	72,000 TPA

To control emissions within 100 mg/Nm^3 , wet scrubber and bag filter will be provided. In induction furnace, fumes extracted through revolving hood will be passed through a spark arrestor, reverse air/pulse jet bag filter and the gas will be let out to atmosphere through a 30 m high chimney. In rolling mill, flue emissions will be cleaned and cyclone separator, ventury wet scrubber and then air/gases will be passed to the atmosphere through 30 m high chimney. In ferro alloy plant, reverse air/pulse jet bag filter with ID fan, spark arrestor and furnace hood will be provided and the gas will be let out to atmosphere. Particulate emissions from ferro alloy plant, induction furnace and rolling mill will be less than 100 mg/Nm^3 . However, the Committee advised the proponent to achieve emissions within 50 mg/Nm^3 . The fumes will be evacuated directly from Induction Furnace through hoods with swiveling mechanism and ducting. The fumes from LRF will be collected through a water cooled hood and duct work. Ear muffs will be provided to employees working in high noise prone areas. Power requirement of 39 MVA will be met from APCPDCL. A DG set (600 KVA) will be installed for emergency.

5. It is noted that the water requirement after proposed expansion will be $165 \text{ m}^3/\text{day}$ and will be met from the ground water source. No process effluent will be generated as water is used for cooling purpose and zero discharge will be adopted. However, cooling tower blow down will be used for gardening purpose. The domestic effluent will be treated in septic tank followed by soak pit. The rain water harvesting structure will be installed.

6. The hazardous/solid waste would be generated in the form of slag from the induction furnace (22.2 TPD), Fe-Mn Slag (5.0 TPD) and Fe-Si Slag (5.0 TPD) from the Submerged Arc Furnace. The slag will be collected and sent for crushing followed by magnetic separation for recovery of iron particles. Non magnetic silica will be sent to landfill for disposal. Mill scale (15.84 TPD) will be used in induction furnace for melting. IF slag will be used for land filling in low lying areas.

7. The Steel/ferro Alloy Plants are listed at Sl.No. 3(a) under primary metallurgical industry under category 'A' and appraised at Central level.

8. The proposal was considered by the Expert Appraisal Committee-1 (industry) in its 9th meeting held during 7th - 8th April, 2010. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public hearing is required as the unit is located in the notified industrial area as per Section (iii), Stage (3) Para (i)(b) of EIA Notification, 2006.

9. Based on the information submitted by you, presentation made by you and consultant, Shri Datta Envirotech, Hyderabad, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:

A. Specific conditions:

1. Pet coke shall be used as fuel instead of charcoal from unknown sources. No charcoal shall be used as fuel.
2. Continuous monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, I D fan, spark arrestor, wet scrubbers, cyclones, bag filters and stack of adequate height shall be provided to control emissions below 50 mg/Nm³.
3. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
4. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.
5. Prior permission for the drawl of 165 m³/day ground water from bore wells shall be obtained. Efforts should be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.
6. 'Zero' effluent discharge should be strictly followed and no wastewater shall be discharged outside the premises.
7. Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bangalore, APPCB and CPCB.
8. All the ferro alloy slag shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, hazardous substances should be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines.
9. Slag produced in Ferro Manganese (Fe-Mn) production should be used in manufacture Silico Manganese (Si-Mn). Mill scales from the rolling mill should be reused in the induction furnace.
10. No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.

11. Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste should be submitted to the Ministry's Regional Office at Bangalore, APPCB and CPCB.
12. A time bound action plan should be submitted to reduce solid waste, its proper utilization and disposal.
13. Risk and Disaster Management Plan alongwith the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bangalore, APPCB and CPCB within 3 months of issue of environment clearance letter.
14. Green belt shall be developed at least in 33 % of the plant area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
15. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro Alloy Units should be strictly implemented.
16. Prior permission from the State Forest Department should be taken regarding likely impact of the expansion of the proposed steel plant on the reserve forests. Measures shall be taken to prevent impact of particulate emissions / fugitive emissions, if any from the proposed plant on the surrounding reserve forests viz. Mysore Kammadhanam RF located within 10 km radius of the project. Further, Conservation Plan for the conservation of wild fauna in consultation with the State Forest Department should be prepared and implemented.
17. At least 5 % of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details alongwith time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.
18. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.


B. GENERAL CONDITIONS:

- i. The project authority shall adhere to the stipulations made by Andhra Pradesh Pollution Control Board and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The SPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be

- provided so that process can be automatically stopped in case emission level exceeds the limit.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
 - v. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
 - vi. All the environment management measures given in the EIA/EMP shall be implemented and complied with.
 - vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
 - viii. Proper house keeping and adequate occupational health programmes shall be taken up as per the Factory Act.
 - ix. The company shall undertake eco-development measures including community welfare measures in the project area.
 - x. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
 - xi. The requisite funds shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
 - xii. The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
 - xiii. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body 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 web site of the company by the proponent.
 - xiv. The project proponent shall upload the status of compliance of the stipulated environment clearance 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 the MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - xv. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bangalore/CPCB/SPCB shall monitor the stipulated conditions.
 - xvi. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the

status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.

- xvii. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at the Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.
10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
11. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.
13. The above conditions shall be enforced, inter-alia 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 (Insurance) Liability Act, 1991 along with their amendments and rules.


(Dr. P.L.Ahujarai)
Scientist-F

Copy to:

1. The Secretary, State Department of Environment, Government of Andhra Pradesh, Mantralaya, Hyderabad.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, Andhra Pradesh State Pollution Control Board, 2nd Floor, HUDA Complex, Maitrivaram, S.R.Nagar, Hyderabad- 500 038.
4. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17th Main Road, Koramangala, Bangalore-560034.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
6. Guard file./Record file/Monitoring file.

(Dr. P.L.Ahujarai)
Scientist-F