



Government of India
Ministry of Environment & Forests
(IA Division)

By speed post

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

E-mail: hsmalviya@gmail.com

Telephone: 011: 24367076

Dated: May 15, 2009

F. No. J-11011/161/2008-IA(II)

To

✓ M/s Sri Raghavendra Ferro Alloys Pvt Ltd
Village Aitipamula, Kattanagur,
Nalgonda District,
Andhra Pradesh

ssmntpl@gmail.com

Sub : Expansion of Ferro Alloys Manufacturing Unit (6 MVA to 3X9 MVA) at Aitipamula, Kattanagur, Nalgonda District, Andhra Pradesh by M/s Sri Raghavendra Ferro Alloys Pvt Ltd. - Environmental Clearance reg.

Sir,

This has reference to your letter no. nil dated 21st December, 2008 alongwith EIA/EMP report seeking environmental clearance under EIA Notification 2006 for the above mentioned project.

2.0 The Ministry of Environment and Forests has examined the application along with the EIA/EMP and noted that proposal is for environmental clearance for expansion of Ferro Alloys Manufacturing Unit (6 MVA to 3X9 MVA) at Aitipamula, Kattanagur, Nalgonda District, Andhra Pradesh by M/s Sri Raghavendra Ferro Alloys Private Limited. The Products and production capacity of the plant will be Ferro Manganese, Ferro Silicon, Ferro Chrome and silicon manganese 1,18,000 MTPA in two phases. The total land acquired is 10 Acres. The cost of the first phase of the project will be Rs.19.50 Crores.

3.0 Pulse Jet Bag Filters followed by 30 m high stack will be installed in each of the submerged electric arch furnaces to control of particulate emissions within 50 mg/Nm³. The company will install continuous on-line monitoring for particulate matter. The total water requirement 100.0 KLD will be sourced from groundwater. The waste water generated from cooling blow down will be used for gardening. Slag shall be used in environmental friendly manner.

4.0 The public hearing was exempted as per para 7(ii) of the EIA Notification 2006.

5.0 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 :

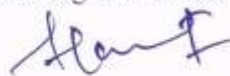
- i) Continuous online monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm³ and monitoring reports submitted to Ministry's Regional Office at Bangalore, APPCB and CPCB. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- ii) 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 should be followed.
- iii) Data on ambient air quality stack emission and fugitive emissions shall be uploaded on the company's website and also regularly submitted online to Ministry's Regional office at Bangalore, Andhra Pradesh Pollution Control Board and Central Pollution Control Board as well as hard copy once in six months. Data on SPM, SO₂ and NO_x shall also be displayed prominently outside the premises at the appropriate place for the general public
- iv) All the treated wastewater shall be recycled and reused and 'Zero' effluent discharge shall be ensured.
- v) Permission for drawl of 100 KLD groundwater shall be obtained from the Central Ground Water Authority/ State Ground Water Board and copy submitted to the Ministry's Regional Office at Bangalore.
- vi) Proper handling, storage, utilization and disposal of all the solid waste should 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.
- vii) The Company shall conduct the Toxicity Characteristic Leaching Procedure (TCLP) test for the slag before its disposal and data shall be submitted to the CPCB, SPCB and the Ministry's Regional Office at Bangalore
- viii) All the ferro alloy slag used for cement manufacturing or as building material shall be passed through Toxicity Characteristic Leaching Procedure (TCLP) Test. The hazardous slag generated from the furnace shall be disposed of in accordance with the Hazardous Waste (Management and Handling) Rules 1989 as amended in 2003.
- ix) Out of total 10.0 acres, green belt shall be developed in 3.3 acres (33%) with adequate width and density to mitigate the effects of fugitive emissions in and around the plant as per the CPCB guidelines in consultation with DFO.
- x) 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.
- xi) Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.



- xii) Provision shall be made for the housing of 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 authorities must strictly adhere to the stipulations made by the Andhra Pradesh Pollution Control Board (APPCB) and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bangalore and the SPCB/CPCB once in six months.
- 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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- v. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- vi. The fund earmarked towards the capital cost and recurring cost/annum for environmental pollution control measures shall be judiciously utilized 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.
- vii. The Regional Office of this Ministry / CPCB / SPCB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
- viii. 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 Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall 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.



ix. 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.

6.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

7.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.


8.0 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 Authority Act, 1997.

9.0 The above conditions will 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 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(H.S. Malviya)
Joint Director

Copy to:

1. The Secretary, Department of Environment and Forests, Govt. of A.P., Secretariat Hyderabad, A.P.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi – 110032.
3. The Chairman, Andhra Pradesh Pollution Control Board, Paryavaran Bhavan, A-3 Industrial Estate, Sanathnagar, Hyderabad- 500018, A.P.
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F wings 17th Main Road, Koramangala II Block, Bangalore-560034, Karnataka.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
6. Guard file.
7. Record file
8. Monitoring file.


(H.S. Malviya)
Joint Director