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01/23/2008 05:23 PM

To sbpr1@sanmargroup.com

cc

bcc

Subject Subject : Ductile Iron Foundry Unit (25,000 TPA) at Plot No. K4, SIPCOT Industrial Complex, Village Papankuppam, Taluk Gummidipoondi, District Thiruvallur, Tamil Nadu by M/s Sanmar Ferrotech Ltd. - Environmental clearance reg.

F. No. J-11011/783/2007- 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 : pb.rastogi@nic.in
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Dated

23rd January, 2008

To,

M/s Sanmar Ferrotech Ltd.
9, Cathedral Road
Chennai - 600 086, Tamil Nadu

E-mail : sbpr1@sanmargroup.com ; Fax No. : 044-28113166

Subject : Ductile Iron Foundry Unit (25,000 TPA) at Plot No. K4, SIPCOT Industrial Complex, Village Papankuppam, Taluk Gummidipoondi, District Thiruvallur, Tamil Nadu by M/s Sanmar Ferrotech Ltd. - Environmental clearance reg.

Sir,

This has reference to your letter no. nil dated 9th July, 2007 on the above subject seeking environmental clearance alongwith Application in Form I, EIA /EMP report and Pre-feasibility Report and subsequent communication vide letter dated 16th September, 2007 seeking environmental clearance for the above project under the EIA Notification, 2006.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that proposal of M/s Sanmar Ferrotech Ltd. is for the Ductile Iron Foundry Unit (25,000 TPA) at Plot No. K4, SIPCOT Industrial Complex, Village Papankuppam, Taluk Gummidipoondi, District Thiruvallur, Tamil Nadu. Total project area is 15.54 acres. Total water requirement from SIPCOT supply will be 150 m³/day. Total cost of the project earlier proposed as Rs. 80.00 Crores is revised to Rs. 105.00 Crores. Rs. 193.00 Lakhs and Rs. 17.00 Lakhs are earmarked towards the capital cost and recurring cost/annum for environment pollution control measures.

3.0 No public hearing is required as per the Section (iii), Stage (3), Para (i) (b)) of the EIA Notification, 2006 since the unit is located in the notified SIPCOT area.

4.0 The Ministry of Environment and Forests hereby accords environmental clearance to

the above project under EIA Notification dated 14th September, 2006 subject to strict compliance of the following conditions:

A. SPECIFIC CONDITIONS :

- i. Bag filters shall be provided to the induction furnace to control air emissions within the permissible limits. Cyclones with dust collectors (bag filters) shall be provided to short blasting and shake out machine to control emissions within 50 mg/Nm³.
- ii. The secondary fugitive emissions shall be controlled and monitored as per CPCB guidelines and reports submitted to the Regional Office at Bangalore, CPCB and TNPCB.
- iii. The company shall connect the pollution control equipment to DG set to ensure operation of these equipments during power failure. The company shall also provide interlocking system with the process equipment so that the plant automatically stops in case the pollution load exceeds the guaranteed limits. NO_x levels from the DG sets shall be as per the EPA norms. Sulphur in the furnace oil used in the DG set/furnace shall not be more than 2 %.
- iv. Total water requirement from SIPCOT supply shall not exceed 150 m³ /day and prior permission shall be obtained from the concerned department. All the wastewater shall be properly treated and recycled/reused in the process. No wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. All the domestic wastewater shall be treated in sewage treatment plant (STP) and shall be used for green belt development after conforming to the prescribed standards.
- v. Prior permission for the drawl of 150 m³/day from the concerned Department shall be obtained.
- vi. All the sand shall be utilized in manufacturing bricks and shall not be disposed off outside the premises. Proper disposal of slag in environment-friendly manner shall be ensured. Iron dust shall be used for construction purpose. Fine sand from system shall be used to manufacture bricks.
- vii. Green belt shall be raised in 5.13 acres (33 %) out of 15.54 acres land allocated for the expansion project to mitigate the effects of fugitive emissions as per the Central Pollution Control Board guidelines. is earmarked for the green belt development.

B. GENERAL CONDITIONS :

- i. The project authorities must strictly adhere to the stipulations made by the Tamil Nadu Pollution Control Board (TNPCB) 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. The industry shall ensure that the treated effluent and stack emissions in the unit are within the norms stipulated under the EPA Rules or TNPCB whichever is more stringent. In case of process disturbances/failure of pollution control

equipments adopted in the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.

iv. Stack monitoring for the gaseous emissions (SO_2 , NO_x , CO, HC and particulate matter) for the stack attached to the induction furnace shall be carried out. The emissions of particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time.

v. Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration of SPM are anticipated in consultation with the TNPCB.

vi. Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the TNPCB. Regular monitoring shall be carried out for relevant parameters.

vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

viii. The company shall undertake rainwater harvesting measures to recharge the ground water in the area.

ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.

x. As proposed in EIA/EEMP, Rs. 193.00 Lakhs and Rs. 17.00 Lakhs earmarked towards capital and recurring cost for environmental protection measures shall be exclusively used to implement the conditions stipulated by the Ministry of Environment and Forests and State Government. A time bound action plan alongwith the implementation schedule to comply with all the conditions stipulated herein shall be submitted to the Ministry's Regional Office at Bangalore. The funds so provided shall not be diverted for any other purpose.

xi. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore / TNPCB / CPCB. A six monthly compliance status report shall be submitted to the monitoring agencies.

xii. The Project Proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the TNPCB and may also be seen at Website of the Ministry and Forests at <http://envfor.nic.in>. The advertisement shall be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office at Bangalore.

xiii. 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 start of land development work.

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

6.0. The Ministry reserves the right to stipulate additional conditions if found necessary. The company shall implement these conditions in a time bound manner.

7.0 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 Waste (Management & Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(Dr. P. B. Rastogi)
Additional Director

Copy to :

1. The Secretary (Environment) Govt. of Tamil Nadu, Fort St. George, Chennai -560 560, Tamil Nadu.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110 032.
3. The Chairman, Tamil Nadu Pollution Control Board, 76, Mount Road, Guindy, Chennai – 600032, Tamil Nadu
4. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wings, 7th Main Road, 2nd Block, Koramangala, Bangalore - 560034, Kanrnataka.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Guard file
7. Monitoring file
8. Record file

(Dr. P. B. Rastogi)

Additional Director