

F. No. J-11011/188/2011-IA-II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
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New Delhi – 110 003

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Dated 20th September, 2012

To,

The Director
M/s Impex Steel Limited
33, Chittaranjan Avenue
2nd Floor , Kolkata- 700 012

Ph: 033- 22110546; Fax: 033- 22110537; E-mail: impex.steel.limited@gmail.com

Sub : Expansion of the existing unit by installation of 2 X 7.5 MVA Ferro Alloys Plant & 1 X 300 TPD Sinter Plant to manufacture Ferro Alloys and Manganese Ore Sinter at Mouza : Nakrajoria, P.S. : Salanpur, District : Burdwan in West Bengal by M/s Impex Steel Limited- regarding Environmental Clearance

Ref : Your letter no. ISL/AVFERRO/11-12/08 dated 20th January, 2012.

Sir,

This has reference to your letter dated 20th January, 2012 along with copies of EIA/EMP and public hearing reports seeking environmental clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined your application. It is noted that M/s Impex Steel Limited have proposed to expand its existing plant by installing 2 X 7.5 MVA Ferro Alloys Plant & 1 X 300 TPD Sinter Plant at Mouza : Nakrajoria, P.S. : Salanpur, District : Burdwan in West Bengal. The expansion will be carried out within the existing plant premises of 10.46 acres. Green belt will be developed in 3.46 acres of total plant area. An additional land of 2.8 acres has been taken on lease for Rainwater Harvesting Pond & Labour Hutment. No R & R is involved. No National Park/Wild Life Sanctuary/Reserve Forest is located within 10 km radius of the project site. Manganese ore, Fe-Mn slag, coke breeze, quartz, dolomite, iron scrap and pet coke will be used as raw materials. Total cost of the proposed project is Rs. 101.10 Crores. Rs. 4.2 Crores and Rs. 45 Lakhs/Annum will be earmarked towards total capital cost and recurring cost for environmental pollution control measures.

3. Following are the details of existing and proposed facilities to be installed along with the production capacity:

Main Plant	Units	Existing	Additional
	Submerged Arc Furnace	2 X 7.5 MVA	2 X 7.5 MVA
	Induction Furnace	2 X 7 T	-
	Sinter Plant	-	1 X 300 TPD
Installed	Items	Existing	Additional

Capacity	M.S. Ingots	53,004 TPA	-
	Ferro Manganese	17,076 TPA	31,500 TPA
	Silico Manganese	11,394 TPA	22,500 TPA
	Ferro Silicon	-	9,000 TPA
	Mn Ore Sinter	-	90,000 TPA

4. It is noted that the smoke and fumes collected from SAF and Sinter Plant by the hood will be passed through bag filter before discharging through a stack of adequate height. Fugitive emissions from raw material handling section will be suppressed by dry fogging system/water sprinkling.

5. Make up water requirement for the proposed plant will be 45 m³/day in addition to existing requirement of 22 m³/day which will be sourced from bore well/rainwater harvesting pond. Maximum recycling of wastewater will be carried after treatment to achieve zero discharge. Treated waste water will be used for dust suppression and green belt development. Effluent streams such as cooling tower blow down, floor washings, laboratory effluent etc. will be used for fugitive dust suppression, water sprinkling etc. Sewage generated from factory premises will be disposed off through septic tanks followed by soak pit. Acoustic enclosure will be provided to DG set. Total power requirement of 38.5 MW will be met by Damodar Valley Corporation (DVC). DG set of capacity 1 X 250 kVA will be installed and used during power failure only

6. Bag filter dust will be recycled in the process. Fe-Mn slag will be utilized in Si-Mn production. Slag from Si-Mn production will be used in land / road / area development / manufacturing of insulated bricks & coloured glass. Fe-Si slag will be utilized in cupola furnace as raw material. All pumps and motors will be selected from less noise generating types. Ear plugs will be provided to employees working in high noise prone areas

7. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 35th meeting held during 26th - 27th April, 2012. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public hearing for the project was held on 16.11.2011.

8. Based on the information submitted by you, presentation made by you and your consultant, M/s Environ India, Kolkata, 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. No charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.
- ii. Continuous monitoring facilities for all the major 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.
- iii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.

- iv. 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.
- v. 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 should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.
- vi. The total water requirement shall not exceed 45 m³/day. Zero effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises. Permission from the competent authority for drawl of water shall be obtained
- vii. Efforts shall 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 should be met from other sources.
- viii. Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn). All the other ferro alloy slag shall be used in the preparation of building materials.
- ix. No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.
- x. Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.
- xi. All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 16th November, 2011 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.
- xii. As proposed, green belt should be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xiii. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.
- xiv. 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 authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board (WBPCB) 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 PM, SO₂ and NO_x are anticipated in consultation with the WBPCB including one ambient air quality monitoring station in the downwind direction. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the WBPCB / CPCB once in six months.
- iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- v. 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).
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- 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. 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.
- ix. Requisite amount shall be earmarked towards the capital cost and recurring cost/annum for environmental protection measures and 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.
- x. 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.
- xi. 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 WBPCB. The criteria pollutant levels namely; SPM, 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.
- xii. 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 Regional Office of MOEF at Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB shall monitor the stipulated conditions.

- xiii. 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.
- xiv. 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 WBPCB 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 at Bhubaneswar.
- xv. 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.

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

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

11. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(A N Singh)
Dy. Director

Copy to:

1. The Secretary, Department of Environment, Govt. of West Bengal, Kolkata, West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA, Sector-III, Salt Lake, Kolkata - 700091, West Bengal.
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests A-3, Chandrashekharpur, Bhubaneswar - 751 023, Orissa
5. Guard File / Monitoring File / Record File.

(A N Singh)
Dy. Director