

Department of Environment
Government of West Bengal
Block G, 2nd Floor, Writers Building
Kolkata - 700001

No. EN/1682/T-IL-1/057/2009

Date: 08/04/2010

To
M/s. East India Holdings Pvt. Limited
501, Swaika Centre
4A, Pollock Street
Kolkata - 700 001

Subject: *Environmental Clearance for the proposed expansion for installation of Induction Furnaces by M/s. East India Holdings Pvt. Ltd. at Vill - Hetedoba, Iechapur Gram Panchayat, Durgapur, Dist. - Burdwan, West Bengal.*

Sir,

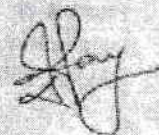
This has a reference to your application dated 12/05/2009 and subsequent communications for Environmental Clearance for the proposed expansion for installation of Induction Furnaces by M/s. East India Holdings Pvt. Ltd. at Vill - Hetedoba, Iechapur Gram Panchayat, Durgapur, Dist. - Burdwan, West Bengal.

The proposal has been examined and processed in accordance with EIA Notification, of 2006. It is noted that the proponent applied for Environmental Clearance for the proposed expansion project at the Ministry of Environment & Forests. The Central Level Expert Appraisal Committee in the 88th Meeting categorised the proposal as B category and noted that it should be appraised at the State Level. However, the Central Level Expert Appraisal Committee finalised the ToR for EIA/EMP study. The unit submitted the application for Environmental Clearance to the State Level Environment Impact Assessment Authority on 02.07.2009 alongwith necessary documents.

It is also noted that the proposed project proposal is for expansion for installation of Induction Furnaces (2x12 tonne & 1x8 tonne) alongwith LRF and Continuous Casting Machine for manufacturing MS Billets (0.1 MTPA) at the existing steel melting plant at Vill - Hetedoba, Iechapur Gram Panchayat, Durgapur, Dist. - Burdwan, West Bengal.

It is noted that the salient features of the project for which Environmental clearance has been considered are as follows:

- i. Location of the Site - Vill - Hetedoba, Iechapur Gram Panchayat, Durgapur, Dist. - Burdwan, West Bengal.
- ii. Land Area - 7.3 acres within the existing plant premises.
- iii. Proposed installation - Induction Furnaces (2x12 MT & 1x8 MT), LRF and Continuous Casting Machine.
- iv. Raw Materials - Sponge Iron (75000 TPA), Pig Iron (25000 TPA), Steel Scraps (5000 TPA).
- v. Production Capacity - MS Billets (0.1 MTPA) i.e., 0.1 mega tonnes per annum.
- vi. Emission Control System - Induction Furnaces to be provided with Swiveling Hood, Spark Arrestor, Bag Filter, ID Fan and stack of height 30 m from GL.
- vii. Make-up Water Requirement - 34 KLD, Ground water.
- viii. Solid Waste - slag will be used for road construction and landfilling.
- ix. Power Requirement - 11 MW, DVC.



Conditions for Environmental Clearance for the proposed expansion project for installation of Induction Furnaces by M/s. East India Holdings Pvt. Ltd. at Vill - Hetedoba, Iochapur Gram Panchayat, Durgapur, Dist. - Burdwan, West Bengal.

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused the recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of Ministry of Environment & Forests, GOI, subject to strict compliance of terms and conditions as mentioned below.

A. SPECIFIC CONDITIONS:

- i. The gaseous emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
- ii. Induction furnaces should be provided with fume extraction and dedicated pollution control systems consisting of Swiveling Hood, Spark Arrestor, Bag Filter, ID Fan and stack of height 30m from G.L. Stack emission particulate matter should not exceed 50 mg/Nm³. Stack emissions should be monitored at regular intervals and records should be maintained.
- iii. Dust collection from Bag filter should be done through pneumatic control system.
- iv. Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.
- v. Adequate measures to be adopted for control of fugitive emission. Regular water sprinkling should be done to control the fugitive emission. Under no circumstances the proposed activity should adversely affect the surrounding forest and settlement areas.
- vi. Groundwater shall not be abstracted without prior permission of the local body as well as the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- vii. As proposed, Sponge Iron should be used as major raw material (at least 70% of the total input) in Induction Furnaces. Use of galvanized iron scrap as raw material is not permitted.
- viii. Covered storage yard for raw materials to be provided. Loading and unloading operations should not be carried out in open areas.
- ix. Considering the location of Tilabori Forest area within 2.2 km of the project site, the project proponent should take necessary measures to avoid any disturbance in forest life due to emission and noise during transportation of raw materials and finished products both during construction and operation stages.
- x. The unit must develop water body with adequate storage capacity to harvest rain water so as to use the stored water for plantation, firefighting, washing & cleaning etc. Recharging of ground water is not permitted.
- xi. Process effluent discharge is not permitted. Cooling water should be recycled.
- xii. Solid wastes are generated in the form of scrap and slag. Scrap should be recycled in the proposed plant as proposed. Slag may be used for road construction and land filling, however, indiscriminate dumping is not permitted under any circumstances.
- xiii. Ambient noise level should not exceed the permissible limit. 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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) Leq (daytime) and 70 dB(A) Leq (nighttime) and its subsequent



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amendments.

- xiv. Green belt shall be developed within and around the plant premises in consultation with DFO / West Bengal Wasteland Development Corporation Ltd/ West Bengal Biodiversity Board. At least 33% of the land area should be covered by plantation.
- xv. All internal roads should be concreted / pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper house keeping shall be maintained within the premises. Solar lighting should be used as far as practicable.
- xvi. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xvii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xviii. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed. The corporate social responsibility programmes must be carried out regularly.

B. GENERAL CONDITIONS:

- i. The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ii. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- iii. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. The workers should be prohibited from cutting trees in the neighbourhood forest areas. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.
- iv. The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- v. No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority.
- vi. The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority.
- vii. In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection) Act, 1986, will be applicable.



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- viii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.
- ix. The State Level Environment Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
- x. The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at website of the SEIAA (<http://enviswb.gov.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.
- xi. The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.
- xii. Prior Consent-to-Establish (NOC) for the proposed expansion project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- xiii. The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.
- xiv. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

Yours faithfully,



(Debal Roy)

Member Secretary, SEIAA &
Chief Environment Officer