

State Level Environment Impact Assessment Authority



**Madhya Pradesh
Government of India
Ministry of Environment & Forests**

Madhya Pradesh Pollution Control Board

E-5, Arera Colony

Bhopal-4620 16

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Tel:0755-2466970

No:151 /EPCO-SEIAA/10

Date:04-06-10

To,
M/s Mittal Corp. Ltd.
Abhay Prshal
Race Course Road
Indore (M.P)

Sub:- Prior Environmental Clearance to M/s Mittal Corp. Ltd. Abhay Prshal Race Course Road Indore (M.P) Project: Expansion in capacity from 36000 TPA to 1,00,000 TPA for manufacturing M.S.S.S Ingots Billet at Industrial Area Pithampur (M.P.) Case No. 410/2009

This has reference to your letter no. EXP/SEIAA/01/2009 dated 01/06/ 2009 along with Application in Form I, draft Terms of Reference and Pre-feasibility Report and subsequent letters dated 27/11/09 and 17/02/2010 for prior environmental clearance to the above mentioned project.

2.0 The State Level Expert Appraisal Committee (SEAC) has examined the application. It is noted that proposal is for the expansion in production capacity from 36000 TPA to 100000 TPA, M.S. S.S. Ingots, Billet at Industrial Area Pithampur, Distt. Dhar-(M.P.) by M/s Mittal Corp. Ltd, Abhay Prashal, Race Course Road, Indore (M.P.). Total land of the plant is 72875 Sq.m. Total cost of the project is Rs. 1559.40 lakhs.

3.0 Scrap and ferro alloy will be melted in induction furnace at 1500°C. The molten metal will be taken to Argon Oxygen De-carbonization converter vessel and than liquid metal is transferred to continuous casting machine to cast the molten metal into billets.

- 4.0 Bag filters, cyclone separators, hood with fume extraction system and reverse air/pulse jet bag filters shall be provided to control the particulate emissions below 150 mg/Nm^3 . Total water requirement from MPAKVN will be $415 \text{ m}^3/\text{day}$. All the effluent will be treated and used for dust suppression and green belt development. No effluent will be discharged and zero discharge will be adopted. Slag from induction furnace and ferro alloy will be used for filling low-lying areas.
- 5.0 Public Hearing / Public Consultation is exempted due to location of the project in notified Industrial area as per Section (iii), Stage (3), Para (i)(b) of EIA Notification, 2006.
- 6.0. The State Level Environment Impact Assessment Authority (SEIAA) consider the case in its 34th meeting held on 11/05/10. SEIAA accepted the recommendation of SEAC and 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) Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. Continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices shall be provided to keep the emission levels below 150 mg/Nm^3 as proposed. At no time, the emission levels shall go beyond the prescribed standards. Inter-locking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- ii) Bag filters, cyclone separators, hood with fume extraction system and reverse air/pulse jet filters shall be provided to the induction furnace to control the particulate emissions below 150 mg/Nm^3 . Reverse air/pulse jet bag filters shall be provided to AOD plant and the cleaned gases shall be let out to the atmosphere through a chimney of adequate height. Data on ambient air quality stack emissions and fugitive emissions shall be regularly submitted to the Ministry including its Regional Office at Bhopal/ M. P. Pollution Control Board (MPPCB) and Central Pollution Control Board (CPCB) once in six months.

- iii) Data on ambient air quality stack emissions and fugitive emissions shall be regularly submitted on-line to the Ministry's Regional Office at Bhopal, Central Pollution Control Board (CPCB) and M. P. Pollution Control Board (MPPCB) as well as hard copy once in six months. Data on SPM, SO₂ and NO_x shall also be displayed outside the premises at the appropriate place for the general public.
- iv) In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fume extraction system with bag filters shall be provided to control the fugitive emissions and the treated gases shall be let out into the atmosphere through stacks of adequate height as per the CPCB guidelines. Dust suppression system with water sprinklers shall be provided to control dust at storage yard and unloading points. Fume extraction system and conveyors covered with GI sheets shall be provided to control fugitive emissions. Water spraying shall also be done to prevent the dust emanation due to vehicular movement. All internal roads shall be asphalted to control fugitive emissions.
- v) Gaseous emissions including 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.
- vi) Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements should also be made to control dust emissions during loading and unloading of the raw material and finished product.
- vii) Total water required 415 KLD shall be provided by MPAKVN. All the cooling tower blow down and treated process wastewater shall be recycled and reused in the process, dust suppression and green belt development. Scrubbed effluent from induction furnace shall be treated in settling tank and reused. No treated wastewater shall be discharged outside the plant premises and Zero discharge shall be strictly adopted as proposed. Domestic wastewater shall be treated in septic tank followed by soak pit and used for green belt development.

- viii) All the solid/hazardous waste i.e. slag from induction furnace, sludge and oily waste etc. shall be stored separately and disposed off at designated place only in environment friendly manner. All the slag shall be subject to Toxic Chemical Leachability Potential (TCLP) test before using for filling low-lying areas and shall be used only when found non-hazardous. Otherwise, hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines. Sludge from septic tank shall be used as soil conditioner for plantation purpose. Refractory waste shall be properly disposed off in environment-friendly manner. Waste oil and oily sludge shall be provided to registered recyclers/ reprocessors only as per HW (M, H and TBM) Rules, 08 and subsequent amendments.
- ix) Proper house keeping shall be ensured and all the raw material including slag, sludge and oily waste shall be stored separately in designated place only. Scrap shall be recycled into the subsequent batches of melting.
- x) Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture Silico Manganese (Si-Mn) production.
- xi) A time bound action plan shall be prepared to reduce solid waste, its proper utilization and disposal and submitted to the Ministry's Regional Office at Bhopal within 3 months of issue of environmental clearance letter.
- xii) 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 shall be submitted to the Ministry's Regional Office at Bhopal, MPPCB and CPCB.
- xiii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xiv) As proposed, green belt shall be developed in 26000 Sq.m (35.6%) out of total 72875 sq.m area within the plant premises as per the CPCB guidelines in consultation with DFO.

- xv) All the recommendations mentioned in the Charter on the Corporate Responsibility for the Environmental Protection (CREP) for the Steel Plants shall be implemented.
- xvi) 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.
- xvii) Project proponent shall explore the possibility of using solar energy wherever possible.

B. GENERAL CONDITIONS:

- i. The project authorities shall strictly adhere to the stipulations made by the Madhya Pradesh Pollution Control Board (MPPCB).
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests/SEIAA. In case of deviations or alterations in the project proposal from those submitted the SEIAA for clearance, a fresh reference shall be made to the SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- 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 State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
- iv. In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fume extraction system with bag filters

shall be provided to control fugitive emissions from different sources. Dust suppression system shall be provided in unloading areas. All internal roads shall be asphalted to prevent the fugitive dust emissions. Further, specific measures like water sprinkling around the coal stockpiles shall be done to control fugitive emissions.

- v. The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Authorization from the MPPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- vi. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management, Handling & TBM) Rules, 2008. Authorization from the M. P. Pollution Control Board must be obtained for collection / treatment / storage / disposal of hazardous wastes.
- vii. 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- viii. 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.
- ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.

- x. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.
- xi. As proposed, Rs. 84.0 lakhs and Rs. 5.0 lakhs shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and used judiciously to implement the conditions stipulated by the SEIAA as well as the State Government. A time bound implementation schedule shall be submitted to the Ministry's Regional Office at Bhopal to implement all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- xii. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bhopal / MPPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
- xiii. The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the MPPCB and may also be seen at Website of the SEIAA at www.mpseiaa.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 Ministry's Regional Office at Bhopal.
- xiv. The project authorities shall inform the Regional Office of the Ministry at Bhopal the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- xv. The project authority has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA of M.P. on 1st June and 1st December of each calendar year.

- 7.0 The Ministry /SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory
- 8.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
- 9.0 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 Act, 1997.
- 10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-
(Ashok Shah)
Member Secretary, SEIAA

Endt No. 152/SEIAA/EPCO/10

Dated: 04-06-10

Copy to:-

1. The Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal
2. The Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavarn Parisar, E-5, Arera Colony, Bhopal-462016
3. The Collector, Distt-Pithampur-M.P.
4. Division, Monitoring Cell, MoEF, New Delhi- 110 003
5. The Regional Officer, MOEF, Bhopal
6. Guard file.

Sd/-
(Ashok Shah)
Member Secretary, SEIAA