

F. No. J-11011/199/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Mr. S.B. Prasad

Head Enst.

Chanakya

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

E-mail : pb.rastogi@nic.in

Telefax : 011: 2436 7668

Dated 7th August, 2007

To,

(LH: VPCFP) / (LH: VP(GHP))

9/8/07

M/s Tata Steels Ltd.
Cold Rolling Mill Complex (CRMC)
Bara, East Singhbhum, Jamshedpur - 831001
Jharkhand

E-mail: nalin.ranjana@tatasteel.com / chanakya@tata.com
Fax No. : 011 -233226265

Subject : Cold Rolling Mill Complex (CRMC) to produce Cold Rolled Coils (2,50,000 TPA) and Hot Rolled Pickled Coils (50,000 TPA) at Bara, East Singhbhum, Jamshedpur, Jharkhand by M/s Tata Steels Ltd. - Environmental clearance reg.

Sir,

This has reference to your letter no. TSLDEL/1405/2007 dated 26th February, 2007 alongwith Application, Questionnaire, Feasibility Report and EIA/VEMP and subsequent clarifications furnished by you vide your letters dated 21st May, 2007 for environmental clearance on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that M/s Tata Steels Ltd. have proposed for the Cold Rolling Mill Complex (CRMC) at Bara, East Singhbhum, Jamshedpur, Jharkhand to produce Cold Rolled Coils (2,50,000 TPA) and Hot Rolled Pickled Coils (50,000 TPA). The output from CRMC will be used in Tata Blue Scope Steel Ltd (TSBL) Plant. Scrap (14,050 TPA) and iron oxide (1,200 TPA) will be generated as by product. No forest land and R & R is involved and proposed plant will be located in the reclaimed ash pond area of M/s Tata Steels Ltd. Dalma Reserve Forests is located at a distance of more than 10 km. No National park and Wildlife sanctuary is located within 10 km. from the project site. Total cost of the project is Rs. 256.60 Crores.

3.0 The proposal falls under B category and is considered at the Central level due to absence of the SEAC/SEIAA in the State of Jharkhand and requires no public hearing since the proposed unit is located in Jamshedpur Notified Industrial Area.

4.0 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) Fume extraction system shall be provided to extract acid vapors or fumes from pickling lines. Pickling bathes shall be covered with tight granite covers. Ventilation chamber shall be provided in Cold Rolling Mill (CRM) plant to control LPG emissions.
- ii) Total water requirement from M/s JUSCO shall not exceed 1,712 m³/day. No ground water shall be used. Wastewater treatment plant for the treatment of wastewater shall be provided using oil separation, acid neutralization and clarification. The treated effluent shall be used for green belt development. The plant as indicated shall adopt zero discharge concept in disposing the waste water. Domestic effluent shall be treated in Sewage Treatment Plant.
- iii) Iron oxide from Acid Regeneration Plant (ARP) shall be sold to authorized vendors for further use. Non-hazardous solid waste from neutralization process in CRM shall also be properly disposed off. Oily sludge shall be sold to authorized recyclers/reprocessors for proper disposal through incineration.
- iv) Green belt shall be developed in 2.5 ha (33 %) out of total 7.4 ha. within and around the plant premises as per the CPCB guidelines in consultation with DFO.
- v) Prior approval from the State/Central Govt. shall be obtained for the use of forest land, if any.
- vi) Permission from the State Forest Department shall be obtained regarding impact of the proposed project on the Dalma Reserve Forest.
- vii) As mentioned in the EIA/EMP, Rs. 10.20 Crores and Rs. 0.21 Crores earmarked towards the capital cost and recurring cost/annum respectively 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.

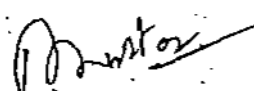
B. GENERAL CONDITIONS:

- i. The project authorities shall strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board (Jharkhand SPCB) 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 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. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- iv. 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 Bhubaneswar, SPCB and CPCB once in six months.

- v. In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Further, specific measures like water sprinkling shall be carried out and fugitive emissions shall be controlled, regularly monitored and records maintained.
- vi. Secondary fugitive emissions shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
- vii. 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.
- viii. The company shall develop surface as well as ground water harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table.
- ix. 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).
- x. Recommendations made in the Corporate Responsibility for Environment Conservation (CREP) issued for the steel plants shall be implemented.
- xi. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report.
- xiii. 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.
- xiv. The Regional Office of this Ministry at Bhubaneswar / 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.
- xv. 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/Committee 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.

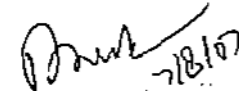
- xvi Project authorities should inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
- 5.0 The Ministry may revoke or suspend the clearance, if implementation 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 in a time bound manner shall implement these conditions.
- 7.0 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, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules


(Dr. P. B. Rastogi)
Additional Director

Copy to:-

The Secretary, State Department of Environment, Govt. of Jharkhand, Jharkhand.

1. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
2. Chairman, Jharkhand Pollution Control Board, Jharkhand, Town Administrative Building, H.E.C., Dhruwa, Raanchi-824004, Jharkhand.
3. The Chief Conservator of Forests (Eastern), Regional Office (EZ), A/3, Chandrasekharapur, Bhubaneswar - 751 023, Orissa.
4. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
5. Monitoring Cell
6. Guard File.
7. Record File.


(Dr. P. B. Rastogi)
Additional Director