

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E),
Mumbai - 400 022

Red/L.S.I

Date: 15/04/2013

Consent No: BO/JD(APC)/EIC No.TN-4027-12/O/CC- 3223

Consent to operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

CONSENT is hereby granted to

M/s Tata Steel Ltd.,
Plot No. F-8, MIDC Industrial area,
Tarapur, PO. Boisar, Dist. Thane.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to: 31/5/2015.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Steel Wires	1,500	MT/M
2	Ground Billet	1,500	MT/M
3	Ferrous Alloyed & Non Alloyed Wire Rods	28,000	MT/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed Nil.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 85 M³.
- (iii) Trade Effluent :NA
- (iv) Trade Effluent Disposal: NA.
- (v) Sewage Effluent Treatment: The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.
 - (1) Suspended Solids Not to exceed 100 mg/l.
 - (2) BOD 3 days 27o C. Not to exceed 100 mg/l.
- (vi) Sewage Effluent Disposal: The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	Mill Scale	11	MT/D	By Sale

(viii) **Other Conditions:**

- i) The unit shall carry out monthly monitoring of treated domestic as well as industrial effluent and submit the report of the same to the Board regularly
- ii) The unit shall take necessary efforts for segregation of solid waste at source only and disposal salable waste regularly. The records showing waste segregation at source to be maintained.
- iii) The unit shall take necessary efforts regarding rain water harvesting every monsoosn.

4. **The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under**

The daily water consumption for the following categories is as under:

- | | |
|--|-----------|
| (i) Domestic | 85.0 CMD |
| (ii) Industrial Processing generating Biodegradable waste water | 0000 CMD |
| (iii) Industrial Processing generating Non-Biodegradable waste water, Dust suppression | 12.0 CMD |
| (iv) Industrial Cooling/Boiler | 715.0 CMD |
| (v) Agriculture / Gardening | 10.0 CMD |

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIONS UNDER AIR ACT :**

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

a. Control Equipment:

- i) Fume extraction system followed by Scrubber of adequate capacity should be provided to pickling section to limit the gaseous emission.
- ii) The dust collection system of adequate capacity shall be provided to at all source of emission to limit the emission.
- iii) There shall not be any secondary (Fugitive) emissions.

b. Standards for Emissions of Air Pollutants :

- | | | | |
|----------------------|---------------|------|--------------------|
| (i) SPM/TPM | Not to exceed | 150 | mg/Nm ³ |
| (ii) SO ₂ | Not to exceed | 2.96 | Kg/Day. |
| (ii) Acid mist | Not to exceed | 35 | mg/Nm ³ |

C.(I) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	LPG	1.7	T/D
2	Furnace Oil	37	KL/D

(ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Reheating Furnace	50

6. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
7. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

(iii) Other Conditions:

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality Regularly.
- 3) The D.G. Set shall be utilized as a standby power source and shall be operate only in case of power failure.

8. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

(i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Item No. of process generating HW as per Schedule-	Type of Waste	UOM	Disposal
1	5.1	Used, Oil/spent oil	1 T/M	Sale to authorized reprocessor
2	5.2	Oil/Sludge Cotton waste containing oil	11 T/M 3 T/M	
3	12.9	Chemical sludge from waste water treatment	35 MT/M	CHWTSDF

(ii) Treatment: - NIL.

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
2. The industry should comply with the HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008
 - a. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
 - b. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008 and shown & submitted to the Board as & when asked for.

9. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

10. Industry shall comply with following general conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent / emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- ix. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.

- x. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system
- xi. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory
11. This issued with approval of Consent Committee meeting of the Board held on 15/03/2013
12. The industry have submitted Bank Guarantee of Rs. 10,00,000/-, now extending the existing B. G. for period upto 31/05/2015 towards O & M of pollution control system.
13. The Capital investment of the industry is Rs. 73.38/- Crs

(Rajeev Kumar Mital, IAS)
Member Secretary

To,
M/s Tata Steel Ltd.,
Plot No. F-8, MIDC Industrial area,
Tarapur, PO. Boisar, Dist. Thane.

Copy to:

- 1) Regional Officer- Thane/Sub-Regional Officer, MPCB, Tarapur- I,
- 2) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	375100/-	758899	29/10/2012	Bank of Maharashtra