TSJ/EMD/C-23/051/25
September 25, 2025

The Member Secretary
Jharkhand State Pollution Control Board
T.A. Division Building
HEC Campus, Dhurwa
Ranchi - 834004

**Subject: Submission of Environment Statement for Tubes Division, Tata Steel Limited, Jamshedpur for the year 2024-25**

Dear Sir,

With reference to captioned subject, we are submitting herewith the Environment Statement for Tubes Division, Tata Steel Limited, Jamshedpur for the year 2024-25 duly filled in the prescribed format for your kind consideration.

You are requested to kindly acknowledge the same and place in your records.

Thanking you

Yours faithfully,
For Tata Steel Limited

Utsav Kashyap

**Utsav Kashyap**
**Head Environment Clearance & Compliance (TSL)**

Enclosures as above

Copy to: Regional Officer, Jharkhand State Pollution Control Board, Jamshedpur

**TATA STEEL LIMITED**
Environment Management Jamshedpur 831 001 India
Ph: 8092087043 (M) e-mail: utsav.kashyap@tatasteel.com
Registered Office: Bombay House, 24 Homi Mody Street, Mumbai 400001
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH 1907PLC000260 Website www.tatasteel.com

# ENVIRONMENTAL STATEMENT
# FOR THE YEAR 2024-25

## TUBES DIVISION
## TATA STEEL LIMITED


**Submitted by:**
**ENVIRONMENTAL MANAGEMENT DEPARTMENT**
**TATA STEEL LIMITED**
**JAMSHEDPUR-831001**

**[Form V]**

**Environmental Statement for the Financial Year ending 31/03/2025**

**PART-A**

| | | | |
|---|---|---|---|
| **I)** | **Name and address of the occupier** | **:** | Mr. T. V. Narendran<br>Managing Director<br>Tata Steel Limited,<br>Jamshedpur-831001<br>Jharkhand |
| **II)** | **Industry Category**<br>**Primary (SIC Code)**<br>**Secondary (SIC Code)** | **:**<br>**:**<br>**:** | Orange Category<br>3317<br>331700 |
| **III)** | **Production capacity** | **:** | 375000 TPA (Standard Tubes)<br>125000 TPA (Precision Tubes) |
| **IV)** | **Year of establishment** | **:** | 1954 |
| **V)** | **Date of last environmental statement submitted.** | **:** | September 27, 2024 |

**PART-B**

**WATER & RAW MATERIAL CONSUMED**

**i) Water Consumption ($m^3$/day)**

1. **Industrial Consumption** : 500
   (Process & Cooling as Makeup water)
2. **Domestic Consumption** : 220

| **Name of the product** | **Process water consumption per unit of product Output ($m^3$/t)** | |
|---|---|---|
| | During the Previous Financial year (2023-24) | During the Current Financial year (2024-25) |
| Standard Tubes & Precision Tubes | 0.53 | 0.68 |

**ii) Raw Material Consumption:**

| **Name of Raw Material** | **Name of the Products** | **Consumption of raw material per unit** | |
|---|---|---|---|
| | | **2023-24** | **2024-25** |
| | | **Tons/Tons of Product** | |
| Hot & Cold Rolled Strips | Standard tubes & Precision tubes | 1.03 | 1.05 |

**PART-C**
**POLLUTION DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT**
**(PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)**

| Pollutants | Quantity of pollutants Discharged (mass/day) * | | Concentrations of pollutants in discharges (mass/volume) | | Percentage of variation from prescribed standards with reasons |
|---|---|---|---|---|---|
| **a) WATER** | **kg/day** | | **mg/L** | | |
| Not Applicable as no process effluent is being discharged outside the premises. | | | | | |
| **b) AIR** | **kg/day** | | **mg/Nm$^3$** | | |
| | **2023-24** | **2024-25** | **2023-24** | **2024-25** | |
| PM | 4.92 | 4.95 | 0.79 | 0.69 | -99 |

**PART-D**
**HAZARDOUS WASTES**
**(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016)**

| Hazardous Wastes | Total Quantity (Tonne/year) | |
|---|---|---|
| | **2023-24** | **2024-25** |
| **(a) From Process** | | |
| 1. Used Oil & Waste Residue Containing Oil | 808 | 720 |
| 2. Zinc fines or dust or ash or skimmings in dispersible form | 1220 | 1134 |
| 3. Phosphate Sludge | 37 | 37 |
| 4. Spent pickling liquor | 44 | 311 |
| 5. Empty barrels/containers/liners contaminated with hazardous chemicals/ Wastes | - | 2 |
| 6. Used Glass wool/ ceramic Fiber | - | 23 |
| **(b) From pollution control facilities** | | |
| 1. Chemical sludge from common industrial ETP | 82 | 77 |

**PART-E**
**SOLID WASTES**

| Sl. No. | Solid Waste | Total Quantity | |
|---|---|---|---|
| | | **2023-24** | **2024-25** |
| a. | From process- Metal finishing wastes | 12940 | 13128 |
| b. | From Pollution Control facility | 0 | 0 |
| c. | (1) Quantity recycled within the unit | 0 | 0 |
| | (2) Sold | 12940 | 13128 |
| | (3) Disposed | 0 | 0 |

**PART - F**

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

| Hazardous / Solid wastes | Characteristics | Method of disposal |
|---|---|---|
| Metal Finishing Wastes | Ferrous | Remelting at Tata steel and sold through recyclers. |
| Zinc Metal Wastes | Zinc compound | Sold through authorized recyclers. |
| Phosphating Sludge | Acidic | Sent for Disposal though Govt authorized agency |
| ETP Sludge | Acidic | Sent for Disposal though Govt authorized agency |
| Used oil & residue containing oil | Oily | Sold through authorized recyclers. |

**PART – G**

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

- CO gas consumption was reduced from 265.9 million cubic feet in FY24 to 232.35 million cubic feet in FY25 through effective leakage prevention, pipeline cleaning, and replacement of damaged sections.
- Became the first unit in Tata Steel to introduce and utilize Lithium Ferro Phosphate (LFP) batteries in transfer trolleys, replacing conventional lead-acid batteries.
- Installed a state-of-the-art, high-frequency GH make tube welding machine, resulting in reduced power consumption.
- Additional energy-saving initiatives, such as controlling lighting loads during daytime and minimizing idle running of machines, further contributed to lowering overall power usage.

**PART – H**

Additional investment proposal for environmental protection including abatement of pollution.

- We are planning to install an acoustic enclosure for the Pickling Bay straightener machine in our facility.
- Project taken to construct four numbers of oil collection pit with duke wall at MRD area.
- Project taken to provide oil Spillage container as per environment standard.

**PART – I**

Any other particulars for improving in respect of environmental protection and abatement of pollution.

- Discharge drainpipes were laid, and the agitator was modified to improve the performance of the Effluent Treatment Plant (ETP), enabling the achievement and consistent maintenance of Zero Effluent Discharge over several years.
- The Tubes Division has been recognized for its sustainability efforts in areas such as reduced power and water consumption, mass plantation drives, zero water discharge, and 100% solid waste disposal.
- Regular cleanliness drives have been conducted by the Tubes Division, particularly in areas near Dimna Lake, reinforcing environmental stewardship.
- Greenery has been maintained, and plantation drives have been actively carried out to enhance the ecological footprint of the division.