



TSJ/EMD/C-23/197/24  
September 27, 2024

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 2023-24**

Dear Sir,

With reference to captioned subject, we are submitting herewith the Environment Statement for Tubes Division, Tata Steel Limited, Jamshedpur for the year 2023-24 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**  
**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

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Corporate Identity Number L27100MH 1907PLC000260 Website www.tatasteel.com

**ENVIRONMENTAL STATEMENT  
FOR THE YEAR 2023-24**

**TUBES DIVISION  
TATA STEEL LIMITED**

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

# Environment Statement 2023-24

[Form V]

**Environmental Statement for the Financial Year ending 31/03/2024**

## **PART-A**

I)	Name and address of the occupier	:	Mr. T. V. Narendran Managing Director Tata Steel Limited, Jamshedpur-831001 Jharkhand
II)	Industry Category	:	Orange Category
	Primary (SIC Code)	:	3316
	Secondary (SIC Code)	:	Nil
III)	Production capacity	:	3.75 LTPA (Standard Tubes) 1.25 LTPA (Precision Tubes)
IV)	Year of establishment	:	1954
V)	Date of last environmental statement submitted.	:	TSJ/EMD/C-23/177/23 September 25, 2023

## **PART-B**

### **WATER & RAW MATERIAL CONSUMED**

#### **i) Water Consumption (m<sup>3</sup>/day)**

1. Industrial Consumption	:	420
(Process & Cooling as Makeup water)		
2. Domestic Consumption	:	220

Name of the product	Process water consumption per unit of product Output (m <sup>3</sup> /t)	
	During the Previous Financial year (2022-23)	During the Current Financial year (2023-24)
Standard Tubes & Precision Tubes	0.57	0.53

#### **ii) Raw Material Consumption:**

Name of Raw Material	Name of the Products	Consumption of raw material	
		2022-23	2023-24
		MT/Yr.	MT/Yr.
Hot & Cold Rolled Strips	Standard tubes & Precision tubes	284419	296301
Zinc spelter		1989	2034
Pre-flux		58	72
Top-flux		48	32
Sulphuric Acid		384	380
Hydrochloric Acid		176	112

# Environment Statement 2023-24

## 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
	kg/day		mg/L		
a) WATER	kg/day		mg/L		
	<u>2022-23</u>	<u>2023-24</u>	<u>2022-23</u>	<u>2023-24</u>	
TSS	NA*	NA*	11.0	28.3	-72
Oil & Grease	NA	NA	1.9	2.0	-81
BOD	NA	NA	12.3	11.8	-61
COD	NA	NA	67.3	91.1	-64
b) AIR	kg/day		mg/Nm <sup>3</sup>		
	<u>2022-23</u>	<u>2023-24</u>	<u>2022-23</u>	<u>2023-24</u>	
PM	7.57	4.92	1.22	0.79	-99

\*No process effluent is being discharged outside the premises.

## PART-D

### HAZARDOUS WASTES

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016)

Hazardous Wastes	Total Quantity (Tonne/year)	
	<u>2022-23</u>	<u>2023-24</u>
<b>(a) From Process</b>		
Zinc by product (Ash, Dross, Dust, Blowing)	795	763
Acid Residue (Hydrochloric Acid & Sulphuric Acid)	1179	1220
Phosphating sludge	72	37
Used oil & residue containing oil	43	82
<b>(b) From pollution control facilities</b>		
Chemical sludge from common industrial ETP	48	44

## PART-E

### SOLID WASTES

Sl. No.	Solid Waste	Total Quantity	
		<u>2022-23</u>	<u>2023-24</u>
a.	From process <ul style="list-style-type: none"> <li>▪ Metal finishing wastes</li> </ul>	13938.64	12940
b.	From Pollution Control facility	Nil	Nil
c.	(1) Quantity recycled within the unit	1640.18	1555
	(2) Sold	12298.46	11385
	(3) Disposed	Nil	Nil

# Environment Statement 2023-24

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## **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.

<b>Hazardous / Solid wastes</b>	<b>Characteristics</b>	<b>Method of disposal</b>
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 Coprocessing through Govt authorized agency
ETP Sludge	Acidic	Sent for Coprocessing through 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.**

- Achieved ZED by implementing in-house innovative solution at ETP. This has helped in getting GreenPro certification from CII. The certification has helped us position Tata Ezyfit as an environment friendly product for window & door framing applications.
- Water consumption has reduced from 0.57 KL/Ton in FY 23 to 0.53 KL/Ton in FY 24.
- Achieved reduction in CO gas consumption from 21.88 M Cubic Feet in FY 22 to 21.16 M Cubic Feet in FY 24. Hence reduction in cost, these shows the positive impact of pollution control measures results in conservation of natural resources as well as on the cost of production.

## **PART – H**

**Additional investment proposal for environmental protection including abatement of pollution.**

- One online stack emission monitoring system in 9 Ton boiler stack commissioned.
- One Continuous ambient air quality monitoring station is commissioned.
- Rainwater Harvesting system installed.
- Implementation of ideas for reducing oil leakages.
- ETP installed and maintained.

## **PART – I**

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

- Initiative taken to reduce noise inside the plant: Baby catcher at the tube collectors.
- Dust Suppression drive inside plant for reduction in Fugitive Emission Dust.
- Become the first in TATA Steel to introduce and use Lithium Ferro Phosphate (LFP) Batteries in place of Lead Acid Batteries in the transfer trolleys.
- A pre-existing dispensary cum First-Aid centre at Tubes Division was renovated and repaired.