



TSJ/EMD/C-23/199/24  
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 Tata Main Hospital, Tata Steel Limited, Jamshedpur for the year 2023-24**

Dear Sir,

With reference to captioned subject, we are submitting herewith the Environment Statement for Tata Main Hospital, 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

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 2023-24**

**Tata Main Hospital  
TATA STEEL LIMITED**

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

# Environment Statement 2023-24

[Form V]

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

## PART A

(i)	<b>Name &amp; address of the owner/occupier of the industry operation or process:</b>	Air Vice Marshal (Dr.) Sudhir Rai (Retd.) General Manager (Medical Services) Tata Main Hospital Tata Steel Limited Jamshedpur-831001 Jharkhand
(ii)	<b>Industry Category</b>	Health Care Facility- Red Category
	<b>Primary STC Code:</b>	Nil
	<b>Secondary SIC Code</b>	Nil
(iii)	<b>Production Capacity</b>	983 Beds
(iv)	<b>Year of Establishment</b>	1907
(v)	<b>Date of last Environment Statement submitted</b>	September 25, 2023, vide letter no. TSJ/EMD/C-23/179/23

## PART B

### WATER & RAW MATERIAL CONSUMPTION

#### i) Water Consumption m3/d

Water Consumption	During the current financial year (2022-23)	During the current financial year (2023-24)
Cooling and Domestic Consumption	1530	1521

#### ii) Raw Material Consumption:

Name of raw material	Consumption of raw material per unit of output	
	During the current financial year (2022-23)	During the current financial year (2023-24)
Not applicable as this is a Health care facility		

## PART C

### Pollution Discharged to Environment / Unit of Output (Parameter As Specified in the Consent Issued)

#### (i) Hospital:

Pollutants	Concentrations of pollutants discharged. (mass / volume)		Percentage of variation from prescribed standards (%)
	(mg/L)		
(a) Water	2022-23	2023-24	
TSS	11.9	18	-82%
Oil & Grease	1.3	1.2	-88%
BOD	10.1	14.8	-51%
COD	48.4	80	-68%
(b) Air	(mg/Nm <sup>3</sup> )		
PM*	NA	NA	-

\*Not Applicable

# Environment Statement 2023-24

## **PART D**

### **As Specified under Bio-Medical Waste Management Rules, 2016**

Bio medical waste is generated from the process which is detailed below:

<b>Category</b>	<b>Type of Waste (kg)</b>	<b>During the calendar year (2023)</b>
Yellow	(a) Human Anatomical Waste:	2689
	(b) Animal Anatomical Waste:	0
	(c) Soiled Waste:	40329
	(d) Expired or Discarded Medicines:	0
	(e) Chemical Waste:	265
	(h) Microbiology, Biotechnology, and other clinical laboratory waste:	1792
	<b>Sub Total (Yellow)</b>	<b>45075</b>
	(f) Chemical Liquid Waste (in KL)	28597
	(g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	1957
Red	Contaminated Waste (Recyclable)	86893
	<b>Sub Total (Red)</b>	<b>86893</b>
White (Translucent)	Waste sharps including Metals:	5823
	<b>Sub Total (White)</b>	<b>5823</b>
Blue	(a) Glassware:	21477
	(b) Metallic Body Implants	217
	<b>Sub Total (Blue)</b>	<b>21694</b>

## **PART E**

### **Solid Waste**

All other solid waste is like domestic and canteen waste is being routed through TSUISL for further management and handling.

## **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.**

Biomedical Waste generated from Tata Main Hospital is sent to Common Bio Medical Waste Treatment Facility at Adityapur.

## **PART G**

### **Impact of Pollution control measures taken on conservation of natural sources & cost of production**

- ETP treated wastewater for horticulture activities to reduce freshwater consumption.
- 06 nos. of rainwater harvesting cum-ground water recharge system are installed to reduce the freshwater consumption.
- Solar powered streetlights installed.
- Conventional fans replaced with BLDC (brushless direct current motor) Fans at OPD section.
- HPMV (High Pressure Mercury Vapor) Street lights changed with LED Lights

# Environment Statement 2023-24

---

## **PART H**

Additional measures/investment proposal of environmental protection including abatement of pollution

- Greenery is maintained by taking care of existing plants in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- In house Biogas plant installed at Canteen for utilization of kitchen waste
- Two new E-carts started within TMH campus for patient party movement.
- Motion sensor Air curtain is installed in main entrance in JGMH wards in order to separate ward temperature with outer atmosphere temperature. This helps to keep central AC as well as cassette Acs inside wards to maintain temperature.
- LED lamps installed in front of emergency area and other areas inside TMH campus, replacing convectional halogen high mast lights.

## **PART I**

Any other particulars for improving the quality of environment.

- Tree plantation drive was done to enhance green cover of Hospital (TMH) on world environment day.
- COVID-19 BMW management is being done as per CPCB Guidelines and reports are being submitted for the same.