



**The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Bhawan, H.E. C. Campus, Dhurwa,
Ranchi, 834004, Jharkhand.**

Ref. No. - JMB/ENV/ESSA/05/ 731 /2023

September 29th, 2023

Sub: Annual Environment Statement in Form V for the FY-23.

Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the FY-23 in respect of **Tata Central Hospital, Jamadoba** of M/s Tata Steel Limited, Jharia Division for your kind perusal.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,
For Tata Steel Limited

Head (Planning)

CC: Regional Officer, Jharkhand State Pollution Control Board, H.I.G. -1 Sardar Patel Nagar,
Housing Colony Hirapur, Dhanbad (Jharkhand).

FORM – V (See rule – 14)
Environmental Statement for the financial year ending the 31st March -2023
Tata Central Hospital, Jamadoba

PART – A

1.Name and address of the owner/ occupier of the : industry/ operation or process	Tata Central Hospital, Jamadoba
Chief Medical Officer :	Dr. Alope Chief Medical Officer, Tata Central Hospital, Jamadoba, Tata Steel Ltd., P.O.- Bhaga Dist.- Dhanbad, Jharkhand-828301
Nominated Owner :	Mr. T.V.Narendran CEO&MD, Tata Steel Ltd Jamshedpur, Dist- East Singhbhum Jharkhand – 831 001
2.Industry category: Primary (STC Code) Secondary (STC Code)	--
3.Production Capacity – Units	135 Beds
4.Year of Establishment	1990
5.Date of the last environmental statement submitted	28 th September 2022 (Vide Letter No.JMB/ENV/ESSA/05/718/2022)

PART – B

Water and Raw Material Consumption

1. Water Consumption M³ / day.

	Water consumption in 2021-2022	Water consumption in 2022-2023
Process	Not Applicable	Not Applicable
Industrial	Not Applicable	Not Applicable
Domestic	*Not Applicable	*Not Applicable

***The domestic water consumption has been considered in Environment Statement of 6&7 Pits Colliery.**

Sl. No	Name of the products	Process water consumption per unit of product output.	
		During the previous financial year 2021-2022	During the current financial year 2022-2023
1.	Total Admitted Patients	10451 Nos.	14600 Nos

FORM – V (See rule – 14)

Environmental Statement for the financial year ending the 31st March -2023
Tata Central Hospital, Jamadoba

2. Raw Material Consumption

Sl. No	Name of the Raw Material	Name of the product	Raw Materials consumption per unit production output.	
			During the previous financial year 2021-2022	During the current financial year 2022-2023
1.	Medicine Consumption	Patients treated	220.0 Lakhs	230.0 Lakhs

PART – C

Pollution discharged to environment / unit of output.
(Parameter as prescribed in the consent issued)

Sl. No	Pollution	Quantity of pollutants discharged (mass/ day)		Concentration of pollutants in discharges (Mass/Volume)		Percentage of variation from prescribed standard with reason.
A.	AIR	PM ₁₀ Level : 24 Hourly Limit- 100µg/m ³	PM _{2.5} Level : 24 Hourly Limit- 60µg/m ³	SO ₂ Level: 24 Hourly Limit- 80µg/m ³	NO ₂ Level: 24 Hourly Limit- 80µg/m ³	Incinerator is not in use. Disposal of BMW is done through CBMWTP
		80.02	43.91	17.90	25.73	
B.	WATER	Parameter	Unit of Measurement	Results	Limit	The quality of effluent water from each outlet is being measured on monthly basis in-house & quarterly through 3 rd party NABL Laboratory and all values are within the limits. Average value for FY23 is provided here.
		pH	pH	7.6	5.5-9.0	
		Total Suspended Solid	mg/ltr.	27.7	100	
		Total Dissolved Solid	mg/ltr.	686.8	2100	
		Biological Oxygen Demand	mg/ltr.	2.1	30	
		Chemical Oxygen Demand	mg/ltr.	46.5	250	
		Oil & Grease	mg/ltr.	0.7	10	

PART – D

Hazardous Wastes

Bio-Medical Waste Management Rules 2016: The hospital waste comes under the bio-medical waste rules 2016 and its treatment and disposal are being done accordingly.

Sl No	Hazardous Waste	Total Quantity (Kg.)	
		During the previous financial year 2021-2022	During the current financial year 2022-2023
1.	Bio-Medical Waste-	650.4 kg/Yr	1075.9 kg/Yr

FORM – V (See rule – 14)
Environmental Statement for the financial year ending the 31st March -2023
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	Incinerator waste		
2.	Bio-medical waste- Autoclave waste	561.1 Kg/Yr	831.8 Kg/Yr
3.	Bio-medical Waste- Shredder waste	519.7 Kg/Yr	627.3 Kg/Yr

PART – E

Solid Wastes

Sl No	Solid Wastes	Total Quantity (Kg.)	
		During the previous financial year 2021-2022	During the current financial year 2022-2023
1.	Waste	As covered in Part-D	

PART – F

Please specify the characterizations (in term of consumption and quantity) of hazardous as well as solid waste and indicate disposal practices adopted for both these categories of wastes.

All the biomedical wastes are disposed-off as per applicable rules. The hospital has autoclave, plastic shredder, bins of various colors, effluent pit etc. for treatment and handling of bio-medical waste. Disposal of incinerator waste is done through Common Bio-medical Waste treatment facility.

PART – G

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

- ETP has been installed to treat the effluent generated in hospital premises. After effluent being treated and tested, the treated water is used for parks and garden development. This eliminated the cost of water supply via tanker.
- Bins and plastic bags are used as per BMW rules 2016 to handle all type of waste as per specified color coding.
- Disposal of incinerator waste is done through Common Bio-medical Waste treatment facility. Estimated annual cost is around 230 Lakh for disposal of incinerator waste for FY23.

PART – H

Additional measures/ investment proposals for Environment protection including abatement of pollution, prevention of pollution.

Jharia Division of Tata Steel Ltd. is committed to improve safety and environment by strictly practicing Environmental Management System of company. Various programs are arranged such as World Environmental day, Annual Flower Show, Green school project, Tata volunteering week, etc. for public awareness. Also, various initiatives for biodiversity enhancement in the region have been taken such as Bird Niche Nesting, Development of Butterfly garden, Medicinal Garden, Nursery

FORM – V (See rule – 14)
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development of native species, etc. One ETP with a capacity of 10 KLD has been commissioned for the treatment of waste water from hospital.

PART – I

Any other particulars for improving the quality of environment.

1. Shredder at hospital was commissioned in March'2015.
2. We are providing safe drinking water from our water treatment plant & MADA to our employees.
3. We are regularly sprinkling water in an around the units to suppress dust.
4. The waste generated from hospital and ancillary dispensaries are stored, treated and disposed-off centrally as per the BMW rules, 2016.
5. The staff of hospital are trained regularly for handling of bio-medical waste.
6. Regular monitoring of Ambient air quality, hospital effluent and stack emission by our separate Environment Cell as well as MoEF/NABL accredited laboratory on regular basis.
7. We do annual tree plantation job in company lease hold areas every year to improve the greenery of region.
8. Regular thrust on Environment awareness conducting training classes at P.T.I., Jamadoba.
9. We are an IMS certified unit (ISO 9001:2015, 14001:2015 and 45001:2018 certified) along with SA: 8000 (Social Accountability).

Name of Unit – Tata Central Hospital, Jamadoba


Chief Medical Officer (J)
Chief Medical Officer
(Tata Central Hospital)