



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

Ref. No.- JMB/ENV/ESSA/05/ 825 /2018

September 24 , 2018

Sub: Annual Environment Statement in Form V for the year 2017-18.

Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the financial year 2017-18 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,

Sr. Manager (Environment)

Copy to: Member Secretary, Jharkhand State Pollution Control Board, T.A. Bhawan, H.E. C.
Campus, Dhurwa, Ranchi, 834004, Jharkhand.

TATA STEEL LIMITED

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Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

FORM – V (See rule – 14)

Environmental Statement for the financial year ending the 31st March -2018
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. Vinod Kumar 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	25 th September' 2017 (Vide Letter No.S&E/ENV/ESSA/05/847/17)

PART – B**Water and Raw Material Consumption****1. Water Consumption M³ / day.**

	Water consumption in 2016-2017	Water consumption in 2017-2018
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 2016-2017	During the current financial year 2017-2018
1.	Total Admitted Patients	5096 Nos.	4733 Nos.

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 2016-2017	During the current financial year 2017-2018
1.	Medicine Consumption	Patients treated	176 Lakhs	159 Lakhs

FORM – V (See rule – 14)
Environmental Statement for the financial year ending the 31st March -2018
Tata Central Hospital, Jamadoba

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.
		SPM (kg/day)	SOx (kg/day)	NOx (kg/day)	SPM (mg/ Nm3)	SOx (mg/ Nm3)	NOx (mg/ Nm3)	
A.	AIR							All values are within limits.
		1.29	0.64	0.30	43.25	21.37	10.19	
B.	WATER	Parameter		Unit of Measurement	Results		Limit	The quality of effluent water from each outlet is being measured on monthly basis and all values are within the limits. Average value for FY18 is provided here.
		pH		pH	7.4		5.5-9.0	
		Total Suspended Solid		mg/ltr.	12		100	
		Total Dissolved Solid		mg/ltr.	449.7		2100	
		Biological Oxygen Demand		mg/ltr.	2.8		30	
		Chemical Oxygen Demand		mg/ltr.	16.0		250	
		Oil & Grease		mg/ltr.	0.4		10	

The hospital has one incinerator for treatment of biomedical waste as per the rules. The quantitative estimation of air pollutants discharged in Kg/day and mg/Nm3 has been done.

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 is being done accordingly.

Sl No	Hazardous Waste	Total Quantity (Kg.)	
		During the previous financial year 2016-2017	During the current financial year 2017-2018
1.	Bio-Medical Waste-Incinerator waste	1216.6 Kg/Yr	1272.8 Kg/Yr
2.	Bio-medical waste-Autoclave waste	270.3 Kg/Yr	278.2 Kg/Yr
3.	Bio-medical Waste-Shredder waste	251.6 Kg/Yr	254 Kg/Yr

FORM – V (See rule – 14)
Environmental Statement for the financial year ending the 31st March -2018
Tata Central Hospital, Jamadoba

PART – E

Solid Wastes

Sl No	Solid Wastes	Total Quantity (Kg.)	
		During the previous financial year 2016-2017	During the current financial year 2017-2018
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 incinerator, autoclave, plastic shredder, bins of various colors, Effluent pit etc. for treatment and handling of bio-medical waste.

PART – G

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

- The cost incurred for maintenance of incinerator in FY 18 was 0.98 lakhs rupees.
- The cost incurred for transporting bio-medical waste from dispensaries to hospital was 2.81 lakhs rupees.
- The cost incurred for management of liquid waste was 0.25 lakhs rupees.
- The cost incurred for purchasing of new bins and plastic bags as per BMW rules 2016 was 0.75 lakhs rupees.

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 for public awareness. Also, various initiatives for biodiversity enhancement in the region have been taken in FY18 such as Artificial Niche Nesting, Development of Butterfly garden, Medicinal Garden, Nursery development of native species, Hibiscus park etc.

21


FORM – V (See rule – 14)
Environmental Statement for the financial year ending the 31st March -2018
Tata Central Hospital, Jamadoba

PART – I

Any other particulars for improving the quality of environment.

1. Incinerator at hospital was commissioned during August'2004, shredder 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 & 14001 and OHSAS 18001 certified).

Name of Unit – Tata Central Hospital, Jamadoba


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

Chief Medical Officer (J)
Tata Central Hospital
Jamadoba