



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/ 531 /2019

September 23 , 2019

Sub: Annual Environment Statement in Form V for the FY-19.


Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the FY-19 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,


Manager (Environment)

Received
27/09/19
आवरण राज्य प्रदूषण नियंत्रण पर्वट
केन्द्रीय कार्यालय
धनबाद

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

Copy to: Environment Office.

TATA STEEL LIMITED

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Tel 91 326 2320263/2320265/2320267 Fax 91 326 2320268
Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
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 -2019
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	24 th September' 2018 (Vide Letter No.JMB/ENV/ESSA/05/825/2018)

PART – B

Water and Raw Material Consumption

1. Water Consumption M³ / day.

	Water consumption in 2017-2018	Water consumption in 2018-2019
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 2017-2018	During the current financial year 2018-2019
1.	Total Admitted Patients	4733 Nos.	4675 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 2017-2018	During the current financial year 2018-2019
1.	Medicine Consumption	Patients treated	159 Lakhs	159.9 Lakhs

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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)	SO _x (kg/day)	NO _x (kg/day)	SPM (mg/Nm ³)	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)	
A.	AIR	1.27	0.60	0.36	42.56	20.33	11.97	All values are within limits.
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 FY19 is provided here.
		pH		pH	8.0		5.5-9.0	
		Total Suspended Solid		mg/ltr.	31		100	
		Total Dissolved Solid		mg/ltr.	808		2100	
		Biological Oxygen Demand		mg/ltr.	6.4		30	
		Chemical Oxygen Demand		mg/ltr.	52		250	
		Oil & Grease		mg/ltr.	3.2		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 2017-2018	During the current financial year 2018-2019
1.	Bio-Medical Waste-Incinerator waste	1272.8 Kg/Yr	1147 kg/Yr
2.	Bio-medical waste-Autoclave waste	278.2 Kg/Yr	308 Kg/Yr
3.	Bio-medical Waste-Shredder waste	254 Kg/Yr	610 Kg/Yr

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PART – E

Solid Wastes

SI No	Solid Wastes	Total Quantity (Kg.)	
		During the previous financial year 2017-2018	During the current financial year 2018-2019
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 19 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 FY19 such as Artificial Niche Nesting, Development of Butterfly garden, Medicinal Garden, Nursery development of native species, Hibiscus park etc. One ETP with a capacity of 10 KLD has been commissioned for the treatment of waste water from hospital.

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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

Vinod Kumar
Chief Medical Officer
(Tata Central Hospital)

Chief Medical Officer (J)
Tata Central Hospital
Jamadoba