



To,
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/ 899 /2020

September 28th, 2020

Sub: Annual Environment Statement in Form V for the FY-20.

Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the FY-20 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)

Received
Tata Steel
28/09/2020
झारखण्ड राज्य प्रदूषण नियंत्रण मण्डल
राज्य कार्यालय
धनबाद

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

FORM – V (See rule – 14)

Environmental Statement for the financial year ending the 31st March -2020

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	23 rd September, 2019 (Vide Letter No..JMB/ENV/ESSA/05/531/2019)

PART – B

Water and Raw Material Consumption

1. Water Consumption M³ / day.

	Water consumption in 2018-2019	Water consumption in 2019-2020
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 2018-2019	During the current financial year 2019-2020
1.	Total Admitted Patients	4675 Nos..	12500 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 2018-2019	During the current financial year 2019-2020
1.	Medicine Consumption	Patients treated	159.9 Lakhs	180.0 Lakhs

FORM – V (See rule – 14)

Environmental Statement for the financial year ending the 31st March -2020

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)	SO _x (kg/day)	NO _x (kg/day)	SPM (mg/ Nm ³)	SO _x (mg/ Nm ³)	NO _x (mg/ Nm ³)	
A.	AIR	0.626	0.320	0.148	34.36	17.58	8.12	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 FY20 is provided here.		
		pH	pH	7.7	5.5-9.0			
		Total Suspended Solid	mg/ltr.	9.8	100			
		Total Dissolved Solid	mg/ltr.	542.3	2100			
		Biological Oxygen Demand	mg/ltr.	2.2	30			
		Chemical Oxygen Demand	mg/ltr.	16	250			
		Oil & Grease	mg/ltr.	0.8	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 2018-2019	During the current financial year 2019-2020
1.	Bio-Medical Waste-Incinerator waste	1147 kg/Yr	665.5 kg/Yr
2.	Bio-medical waste-Autoclave waste	308 Kg/Yr	655.5 Kg/Yr
3.	Bio-medical Waste-Shredder waste	610 Kg/Yr	655 Kg/Yr

FORM – V (See rule – 14)
Environmental Statement for the financial year ending the 31st March -2020
Tata Central Hospital, Jamadoba

PART – E

Solid Wastes

Sl No	Solid Wastes	Total Quantity (Kg.)	
		During the previous financial year 2018-2019	During the current financial year 2019-2020
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 of 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.

- ETP has been installed to treat the effluent generated in hospital premises. After effluent being treated and tested, the treated water is used for the purpose of 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.

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 in FY20 such as Bird Niche Nesting, Development of Butterfly garden, Medicinal Garden, Nursery development of native species, etc. One ETP with a capacity of 10 KLD has been commissioned for the treatment of waste water from hospital.

FORM – V (See rule – 14)
Environmental Statement for the financial year ending the 31st March -2020
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 of 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).
10. We are also in the process of registering with CBMWTF for bio medical waste treatment.

Vinod Kumar

Name of Unit – Tata Central Hospital, Jamadoba

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