



**The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Division (Ground Floor),
H.E.C. Dhurva, Ranchi – 834004
Jharkhand**

WBD/EMC/4016/087/19
Date: 11.09.2019

Subject: Submission of Environmental Statement of Tata Central Hospital West Bokaro for the year 2018-19

Dear Sir,

Please find enclosed herewith the duly filled "Environmental Statement" (Form-V) of **Tata Central Hospital West Bokaro** for the year 2018-19.

Kindly acknowledge the same & oblige.

Thanking you,
Yours sincerely,

**Sr. Manager (Environment Management)
West Bokaro Division
Tata Steel Ltd.**

Encl: As Above

**Copy to: The Regional Officer, Jharkhand State Pollution Control Board, PTC Chowk, Matwari,
Hazaribagh – 825301 (Jharkhand)**

TATA STEEL LIMITED

West Bokaro Division Ghatotand Jharkhand 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

FORM - V
(See Rule -14)

ENVIRONMENT STATEMENT FOR THE FINANCIAL YEAR ENDING THE 31st MARCH, 2019

UNIT: TATA CENTRAL HOSPITAL WEST BOKARO, TATA STEEL LIMITED

PART - A

- 1 Name and address of the owner/ occupier of the industry, operation or process : Dr. Ashish Roy
Chief Medical Officer,
Tata Central Hospital, -
West Bokaro Division,
TATA Steel Limited, P.O.- Ghatotand
Dist. Ramgarh, Jharkhand-825314
- 2 Industry Category : Health Care Unit (HCU)
- 3 Production Capacity : 62 beds
- 4 Year of Establishment : 1946
- 5 Date of last Environmental Statement submitted. : 20th September 2018

PART - B

WATER AND RAW MATERIAL CONSUMPTION

i. Water Consumption (m3/d):

- Process : Nil
- Cooling/ Spraying in mine pits : Not Applicable
- Colony : This is included in the Environmental Statement of West Bokaro Colliery

Name of the product	Process water consumption per product output	
	During the Previous Financial Year (2017-18)	During the current Financial Year (2018-19)
It is not a production unit only Health Care Unit		

ii. Raw Material Consumption:

Name of Raw materials	Name of the product	Consumption of Raw Material per unit of output	
		During previous financial year (2017-18)	During current financial year (2018-19)
Health Care Unit (Hospital) thus no product is generated			

PART - C

POLLUTION DISCHARGES TO ENVIRONMENT/ UNIT OF OUTPUT (PARAMETERS AS SPECIFIED IN THE CONSENT ISSUED)

Pollutants	Quantity of pollutants discharged (mass /day)	Concentration of pollutants in discharges (mass / volume)	Percentage of variation from prescribed standards with reason
Water	Water with adequate disinfection is made as per Bio-medical waste (Management & Handling) Rule 2016.		

Pollutants	Quantity of pollutants discharged (mass /day)	Concentration of pollutants in discharges (mass / volume)	Percentage of variation from prescribed standards with reason				
Air	Due to absence of stationary source, it is difficult to measure pollutants load. However, in future an incinerator will be installed and which will be regularly been monitored.						
AAQ Report: Core Zone							
	Parameter	Tata Central Hospital	Standard				
	SPM	248.48	700				
	RPM	160.55	300				
	PM10	72.33	100				
	PM2.5	46.08	60				
	SO2	19.24	120				
	Nox	43.80	120				
All values are in ($\mu\text{g}/\text{m}^3$)							
AAQ Report: Buffer Zone							
	Parameter	Pundi	Banji	Chainpur	Duni	Mukunda Beda	Standard
	PM10	55.58	51.96	73.42	51.59	78.37	100
	PM2.5	30.44	29.88	41.53	29.97	48.31	60
	SO2	16.99	17.29	18.50	17.64	21.27	80
	Nox	32.41	30.80	33.92	30.20	34.89	80
All values are in ($\mu\text{g}/\text{m}^3$)							
Due to absence of stationary source, it is difficult to measure pollutants load. So, the quantity of air pollutants discharged in Kg/day cannot be ascertained. The above data shows the average ambient air quality during 2018-19.							

PART-D
HAZARDOUS WASTE

[as specified under Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016]

Hazardous Waste	Total Quantity	
	During the previous financial year (2017-18)	During the current financial year (2018-19)
a) From Process: Oil soaked cotton (jute)	No hazardous waste is generated from Hospital	
b) From Pollution control facilities: Used lubricating Oil	Nil	Nil

**PART-E
SOLID WASTE**

Solid Wastes		Total Quantity (kg)	
		During the previous financial year (2017-18)	During the current financial year (2018-19)
(a)	From Process:	<ul style="list-style-type: none"> • Yellow category: 626.62 • Red category: 553.50 • White category: 34.17 • Blue category: 554.10 	<ul style="list-style-type: none"> • Yellow category: 250.93 • Red category: 61.73 • White category: 03.07 • Blue category: 56.36
(b)	From pollution control facilities	-	-
(c)	I. Quantity recycled or reutilized within the unit		
	II. Sold (to reuse as fuel)	Nil	Nil
	III. Disposed	Entire (100%) Bio-medical waste is being disposed off by JSPCB authorized agency M/s Bio-Genetic Lab Pvt. Ltd., Ramgarh.	

PART - F

THE CHARACTERISTICS (in terms of composition and quantum) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES

Category of Waste	Characteristics	Quantity	Disposal Practice
No hazardous waste is generated from Hospital			

PART - G

IMPACT OF POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION

- In TATA Central Hospital, a Health care unit thus as per Bio-medical Waste (management & Handling) Rule-2016 all pollution abatement measure taken for smooth operations.
- The combined impact due to implementation of pollution prevention and control measures on cost per tonne of ROM coal, of entire west Bokaro division (Washery, PH, Mines, Eng. services, Logistic, etc.) is Rs. 87.84 (Rupees seventy-one and seventy-four paisa only).

In addition to the above Tata Steel Rural Development Society (TSRDS) is engaged in peripheral developmental activities in villages around the mine. The projects of the Society include irrigation and agricultural extension projects, plantation programmes, installation of solar street lights and illuminate villages on through low cost, construction of ponds in support to provision of irrigation water and for other domestic use and in recharging groundwater by arresting the flow of rainwater in downstream, creation of SAVE FOREST groups, civic amenities development, medi-care and health education, rural sports, skill development and promotion of rural cultural activities.

PART-H

ADDITIONAL MEASURES/ INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION, PREVENTION OF POLLUTION

- Additional measures for the installation of STP and further strengthening of disinfection measures for effluent has been taken up.

PART-I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENVIRONMENT

- EMS ISO 14001 & OHSAS 18001 are being monitored and practiced strictly to protect and preserve the environment by eco-friendly operations. Also, proactively identifying any Potential hazard to become risk posing serious threat to environment. Cleanliness/ disinfection and use of proper PPEs of worker being engaged in cleaning job is being maintained regularly.


Dr. Ashish Roy,
Chief Medical Officer
Tata Central Hospital West Bokaro,
TATA Steel Limited, P.O. - Ghatotand,
Dist.- Ramgarh, Jharkhand - 825314