

Utsav Kashyap

From: WEST BOKARO ENVIRONMENT
Sent: 24 August 2020 17:11
To: ranchijspcb@gmail.com
Cc: jspcb_hazaribagh@rediffmail.com; utsav.kashyap@gmail.com; Amritanshu
Subject: Submission of Environmental Statement of all units of West Bokaro Division, Tata Steel Limited for the year 2019-20
Attachments: Env Statement_FY20_WBPH_S.PDF; Env Statement_FY20_TCHWB_S.PDF; Env Statement_FY20_WBC_S.PDF; Env Statement_FY20_WBL_S.PDF; Env Statement_FY20_WBW2_S.PDF; Env Statement_FY20_WBW3_S.PDF

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

Dear Sir,

Due to the current COVID-19 situation, we are sending the Environmental Statement via e-mail to avoid any contact or contamination.

Please find enclosed herewith the duly filled "Environmental Statement" (Form-V) of **all the units of West Bokaro Division, Tata Steel Ltd.** for the year 2019-20 as per the following details.

Sl. No.	Environmental Statement for Unit	Letter No.	Dated
1	West Bokaro Colliery	WBD/EMC/4016/057/20	24.08.2020
2	Washery-II	WBD/EMC/4016/058/20	24.08.2020
3	Washery-III	WBD/EMC/4016/059/20	24.08.2020
4	20 MW Captive Power House & 5 MW DG Set	WBD/EMC/4016/060/20	24.08.2020
5	Logistics & Dispatch	WBD/EMC/4016/061/20	24.08.2020
6	Tata Central Hospital West Bokaro	WBD/EMC/4016/062/20	24.08.2020

You are requested to kindly acknowledge the same & oblige.

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

Thanks & Regards,

Environment Management Cell
West Bokaro Division

Tata Steel Limited
Environment Management Cell | Ghatotand | Jharkhand | 825314
wbok.env@tatasteel.com | <http://www.tatasteel.com>



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

WBD/EMC/4016/062/20

Date: 24.08.2020

**Subject: Submission of Environmental Statement of Tata Central Hospital West Bokaro
for the year 2019-20**

Dear Sir,

Please find enclosed herewith the duly filled "Environmental Statement" (Form-V) of **Tata Central Hospital West Bokaro** for the year 2019-20.

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, 2020

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. : 11th September 2019

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 (2018-19)	During the current Financial Year (2019-20)
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 (2018-19)	During current financial year (2019-20)
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. A Common 90 KLD ETP and STP is installed.		

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.		
	AAQ Report: Core Zone		
	Parameter	Tata Central Hospital	Standard
	SPM	220.12	700
	RPM	104.12	300
	PM10	60.41	100
	PM2.5	26.37	60
	SO2	20.19	120
	Nox	29.21	120
	All values are in (µg/m3)		
	AAQ Report: Buffer Zone		
	Parameter	Pundi	Banji
		Chainpur	Duni
		Mukunda Beda	Standard
	PM10	56.29	53.92
	PM2.5	32.75	35.42
	SO2	14.79	18.92
	Nox	25.17	28.63
		70.83	50.79
		48.46	32.88
		17.63	15.63
		29.13	29.00
		75.17	100
		46.79	60
		17.96	80
		29.00	80
	All values are in (µg/m3)		
	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 2019-20.		

PART-D
HAZARDOUS WASTE

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

Hazardous Waste	Total Quantity	
	During the previous financial year (2018-19)	During the current financial year (2019-20)
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 (2018-19)	During the current financial year (2019-20)
(a)	From Process:	<ul style="list-style-type: none"> • Yellow category: 250.93 • Red category: 61.73 • White category: 03.07 • Blue category: 56.36 	<ul style="list-style-type: none"> • Yellow category: 905.74 kg • Red category: 740.4 kg • White category: 39.9 kg • Blue category: 612 kg
(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 & Hospital etc.) is Rs.139.86.

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 & ETP 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.



Chief Medical Officer'
West Bokaro

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