



**The Member Secretary
Jharkhand State Pollution Control Board
T A Division Building,
HEC Campus, Dhurwa
Ranchi – 834004**

MD/ ENV/ 339 /112 / 2025
Date: 23rd September 2025

**Sub: Environmental Statement of Bokna Storage & Handling Plot, Tata Steel Limited
for 2024-25.**

Dear Sir

Kindly find attach herewith the Environmental Statement in the prescribed format (Form V) as per “Environmental (Protection) Amendment Rules 1992” of our Bokna Storage & Handling Plot for your kind perusal.

Thanking you,

Yours faithfully
f: Tata Steel Limited

Area Manager (Environment), OMQ

Encl: As above

**Copy to: The Regional Officer, Jharkhand State Pollution Control Board, MB/12
New Housing Colony, Adityapur, Jamshedpur - 831013, Jharkhand**

TATA STEEL LIMITED

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Tel 91 22 66658282 Fax 91 22 66657724

Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

ENVIRONMENTAL STATEMENT

Year : 2024-25



**BOKNA STORAGE AND HANDLING PLOT
TATA STEEL LIMITED**

September - 2025

FORM - V
(See Rule -14)

ENVIRONMENT STATEMENT FOR THE FINANCIAL YEAR ENDING THE 31ST MARCH 2025

BOKNA STORAGE AND HANDLING PLOT , TATA STEEL LIMITED

PART-A

1	Name and address of the owner/ occupier of the industry, operation or process	:	Mr. Rajeev Kumar, Chief M/s Tata Steel Limited PO.: Noamundi, Dist.-West Singhbhum Jharkhand – 833217 Mr. Vivek Kumar Agarwal, Head M/s Tata Steel Limited PO.: Noamundi, Dist.-West Singhbhum Jharkhand – 833217
	Nominated Owner	:	Mr. Atul Bhatnagar, General Manager, OMQ division, GM office OMQ, Tata Steel Limited PO.: Noamundi, Dist.-West Singhbhum Jharkhand – 833217
2	Industry Category	:	Industry
3	Production Capacity	:	15 Lakhs T/yr
4	Year of Establishment	:	2012-13
5	Date of last Environmental Statement submitted.	:	25th September 2024, vide letter no. VII/MINES/24-25/145 for the year 2023-24

PART-B

Water and Raw Material Consumption

(i) Water Consumption:

Consumption Head:	2023-24 (in cu.m/day) (Annual Average)	2024-25 (in cu.m/day) (Annual Average)
Dust Suppression	16.942	11.616
Greenbelt development	0.220	0.263
Domestic	0.525	0.197
Name of the product	Process water consumption per product output (m3/MT)	
Iron Ore	There is no use of Process Water	

ii) Raw Material Consumption

The following items have been consumed/ utilized:

Name of Raw Materials	Name of Product	Consumption of Raw Material	
		During previous year (2023-24)	During current year (2024-25)
NA			

PART – C
POLLUTION DISCHARGED TO ENVIROMENT/ UNIT OF OUTPUT
(Parameters as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass / day)	Concentration of Pollutants discharges (mass / day)	Percentage of variation from prescribed standards with reasons
Water	The Bokna Storage & Handling Plot has zero discharge outside plot.		
Air	PM ₁₀ : NIL Kg/Day	59.466 µg/m ³	00.89 % Lower side
	PM _{2.5} : NIL Kg/Day	26.133 µg/m ³	34.66 % Lower side
	SO ₂ : NIL Kg/Day	12.733 µg/m ³	74.53 % Lower side
	NO _x : NIL Kg/Day	23.85 µg/m ³	40.37 % Lower side
	CO: NIL Kg/Day	0.390 mg/m ³	80.05 % Lower side
Bokna Storage & Handling Plot is a storage plot for iron ore. The air quality in the form of fugitive and ambient are being measured and monitored regularly and is well within limits. Water jets with mist water spray is used for suppressing fugitive emission from various activities. Measures such as mobile water sprinkling etc. is done on roads to ensure fugitive emission under limits as specified in the guidelines. The measured values for fugitive emissions are found within the prescribed norms. Housekeeping is maintained in the plot area. The Ambient air quality is found within the prescribed standards. A thick & dense vegetation is also placed in all surrounding the area which significantly reduces the pollution load.			

PART – D
HAZARDOUS WASTES

As specified under the Hazardous & Other Waste (Management & Trans boundary Movement) Rules, 2016 and amendment thereof

Hazardous Wastes	Total Quantity	
	During previous year (2023-24)	During current year (2024-25)
From Process	NA	
From Pollution Control Facility	NA	

PART – E
SOLID WASTES

Sources	During previous financial year (2023-24)	During current financial year (2024-25)
a) From Process	NA	NA
b) From pollution control facilities		
I. Quantity recycled or reutilized within the unit.		
II. Sold		
III. Quantity disposed.		

PART - F
PLEASE SPECIFY 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

There is not any workshop in the plot. The ore is stacked properly with all the required Environment protection measures.

PART - G

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

All the pollution control measures taken helped in

- Protecting the green belt/forest adjoining Plot
- Protecting soil erosion.
- Protecting silt from flowing along with runoff water during monsoon season.
- Maintaining the quality of air (by control of dust emission).
- Improving the local environment.
- AAQ monitoring is being done with NABL accredited Lab in the core and buffer zone of mines.
- PUC certified vehicles are allowed in the mines It is checked on our mines entry gate.
- 08 no. of water tankers have been deployed. equipped with water sprinkling arrangement to suppress the dust at the mines as well as in the surrounding areas.
- Ore is dispatched with only Tarpaulin covered Trucks.
- Green belt/plantation is being done in the periphery of the plot to arrest dust.
- Personal Protective Equipment's like dust mask, ear plug, Goggles are provided to all employees.
- Inactive Fines stacks have been covered with Tarpaulin.
- Garland drain developed all along the boundary wall, settling ponds developed at the end of garland drain.
- A nursery has been developed within the plot to germinate local species.

PART – H

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

- In addition to the above Tata Steel Foundation(TSF) is engaged in peripheral developmental activities in villages around the mine like various civil amenities projects, digging ponds in support to provision of irrigation water and for other domestic use irrigation and agricultural extensions and in recharging groundwater by arresting the flow of rainwater in downstream, plantation programmes, medi-care and health, education, rural sports and skill development, rural cultural promotion activities taken up in these villages.

PART - I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENVIRONMENT

The unit is having a full-fledged Environmental Management department with well qualified personnel from environmental background to take care of all aspects relating to environment.

Various awareness programs throughout the year conducted in the area which included celebration of World Environment Day, World Water Day, Word Bio-diversity Week, Annual Flower & Vegetable Show etc. In which environment conservation models, current & future proposals are made, environment messages through Nukkad natak, poems, slogans, swachhata drive have been done every year.

All above efforts make the mine clean – green and sustainable. In the year 2024-25, Rs **20.88 Lakhs** have been spent on various environmental activities from Bokna Storage and Handling Plot.



Area Manager (Environment), OMQ