



**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/ 444 /2025

September 30th, 2025

Sub: Annual Environment Statement in Form V for the FY-25.

Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the FY-25 in respect of **Kalimela Open Cast Project** 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)

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

TATA STEEL LIMITED

Jharia Collieries Jamadoba 828 112 Dhanbad India

Tel 91 326 2320263/2320265/2320267 Fax 91 326 2320268

Regd. 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)
Environmental Statement for the financial year ending the 31st March -2025
Kalimela Open Cast Project

PART – A

1.Name and address of the owner/ occupier of the : industry/ operation or process	Kalimela Open Cast Project
Manager :	Mr. Basant Singh Area Manager (Kalimela Open Cast Project) Tata Steel Ltd., P.O.- Jamadoba Dist.- Dhanbad, Jharkhand-828112
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	0.30 MTPA – Raw coal
4.Year of Establishment	October'2009
5.Date of the last environmental statement submitted	27 th September 2024 (Vide Letter No.JMB/ENV/ESSA/05/571/2024)

PART – B

Water and Raw Material Consumption

1. Water Consumption M³ / day

	Water consumption in 2023-2024	Water consumption in 2024-2025
Process	Not Applicable	Not Applicable
Industrial	Nil*	Nil*
Domestic	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable

*The raw coal production from above mine is closed from Nov'16 as the mine is exhausted. The backfilling of overburden and reclamation jobs are going on.

Sl. No	Name of the products	Process water consumption per unit of product output.	
		During the previous financial year 2023-2024	During the current financial year 2024-2025
1.	Raw Coal	Not Applicable	Not Applicable

FORM – V (See rule – 14)
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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 2023-2024	During the current financial year 2024-2025
1.	Explosives	Raw Coal	Nil	Nil

*Industries may use codes if disclosing details of raw materials would violate contractual obligation, otherwise all industries have to name the raw materials used.

PART – C
Pollution discharged to environment / unit of output.

(Parameter as prescribed in the consent issued)

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.
A.	AIR	PM ₁₀ Level : 24 Hourly Limit- 100µg/m ³	PM _{2.5} Level : 24 Hourly Limit- 60µg/m ³	SO _x Level: 24 Hourly Limit- 80µg/m ³	NO _x Level: 24 Hourly Limit- 80µg/m ³	All values are within limits. The values indicated here are the average value of quarterly reports of FY25 conducted by 3rd party NABL accredited laboratory.
		83.56	49.71	20.05	28.58	
B.	WATER	There is no effluent and mine water discharge as the mining operation is closed.				

The open cast project does not have any single point source of air pollution. Hence, quantitative estimation of air pollutants discharged in Kg/day cannot be ascertained.

PART – D
Hazardous Wastes
(as specified under The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

Sl No	Hazardous Waste	Total Quantity (Kg.)	
		During the previous financial year 2023-2024	During the current financial year 2024-2025
1.	From process Used Oil	Nil	Nil
2.	From pollution control facility	-	-

FORM – V (See rule – 14)
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PART – E
Solid Wastes

Sl No	Solid Wastes	Total Quantity (Kg.)	
		During the previous financial year 2023-2024	During the current financial year 2024-2025
1.	Overburden	Nil	Nil
2.	Quantity recycled or reutilized within the unit/ sold/ disposed	-	

PART – F

Please specify the characterization (in term of composition and quantum) of hazardous as well as solid wastes and indicate disposal practices adopted for both these categories of wastes.

Category of Waste	Characteristics	Quantity	Disposal Practice
Solid Waste 1. Overburden	Solid	Nil	-
Hazardous Waste 1. Used Oil	Used Oil (Liquid)	Nil	-

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

The mine was closed during this period. However, the fund earmarked for reclamation of the mine is being used as per the mine closure plan

S. No.	Environment Management Activity	Expenditure in Lakhs
1	Cleaning of garland drains	3.28
2	Repair of garland drains and toe walls	2.23
3	Cleaning & Bush cutting (House Keeping of areas)	7.33
4	Green belt development	0.86
	Total Cost incurred	13.70

PART – H

Additional measures/ investment proposals for environmental protection including abatement of pollution, prevention of pollution

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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, World Earth Day, International Day for Biological Diversity, Annual Flower Show etc. for public awareness. Also, various initiatives for biodiversity enhancement in the region have been taken such as Bird Niche Nesting, Development of Butterfly garden, Medicinal Garden, Nursery development of native species, etc. Tree plantation will be continued in the leasehold area. Water pumped out of the mine will continue to be used in washery other than use in stowing. Four Effluent Treatment Plants based on MBBR technology have been commissioned with capacity of 10 KLD each for canteen wastewater at JCPP, 2-Pit, workshop effluents treatment & TMH. Three STP of 50 KLD, 60 KLD and 30 KLD has been installed for sewage treatment of residential colonies. Two continuous ambient air quality monitoring system and one PM 10 station has also been installed in the area.

PART – I

Any other particulars for improving the quality of environment.

1. We are providing safe drinking water from our water treatment plant & MADA to our employees.
2. We are regularly sprinkling water in an around the units, to suppress dust.
3. Our welfare department arranges to clean the domestic garbages from our colonies to provide better environment.
4. Regular monitoring of Air Quality & mine water analysis by our separate environment management cell.
5. We have already done the tree plantation job and this is a continuous process in company leasehold areas.
6. Regular thrust on Environment awareness conducting training classes at P.T.I., Jamadoba.
7. We are an IMS certified unit (ISO 9001:2015, 14001:2015 and 45001:2018 certified) along with SA:8000 (Social Accountability)

Name of Unit – Kalimela Open Cast Project


Area Manager, OCP Kalimela
TATA STEEL LIMITED
Sr. Manager (O)
JAMADOBA COLLIERY