The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Bhawan, H.E. C. Campus, Dhurwa,
Ranchi, 834004, Jharkhand.

Ref. No. - JMB/ENV/ESSA/05/377/2026

September 29th, 2026

Sub: Submission of Annual Environment Statement in Form V for the FY-26.

Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the FY-26 in respect of **Sijua Colliery** 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, Dhanbad, 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 -2026

Sijua Colliery

PART – A

1.Name and address of the owner/ occupier of the : industry/ operation or process **Manager :** **Nominated Owner :**	**Sijua Colliery** **Mr. Sanjeev Kumar Thakur** Head Sijua Colliery Tata Steel Limited., P.O.- Bhelatand Dist.- Dhanbad, Jharkhand-828103 **Mr. T.V. Narendran** CEO&MD, Tata Steel Limited Jamshedpur, Dist- East Singhbhum Jharkhand – 831 001
2.Industry category: Primary (STC Code) Secondary (STC Code)	--
3.Production Capacity – Units	0.25 MTPA – Raw Coal
4.Year of Establishment	1918
5.Date of the last environmental statement submitted	30th September 2025 (Vide Letter No. JMB/ENV/ESSA/05/440/2025)

PART – B

Water and Raw Material Consumption

1. Water Consumption M^3 / day.

	Water consumption in 2024-2025	Water consumption in 2025-2026
Process	Not Applicable	
Industrial	8.24 M^3/day	7.66 M^3/day
Domestic	2183.73 M^3/day	2243.55 M^3/day

Sl. No	Name of the products	Process water consumption per unit of product output.	
		During the previous financial year 2024-2025	During the current financial year 2025-2026
1.	Raw Coal	Not Applicable	Not Applicable

FORM – V (See rule – 14)

Environmental Statement for the financial year ending the 31st March -2026

Sijua Colliery

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 2024-2025	During the current financial year 2025-2026
1.	Explosives	Raw Coal	0.27 Kg/Ton	0.38 Kg/Ton
2.	Detonators		0.81 Nos/Ton	0.71 Nos/Ton

***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)

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/m³	$PM_{2.5}$ Level : 24 Hourly Limit- 60µg/m³	SO_2 Level: 24 Hourly Limit- 80µg/m³	NO_2 Level: 24 Hourly Limit- 80µg/m³	No point source discharge is done. The values indicated here are the average value of quarterly reports of FY26 conducted by 3rd party NABL accredited laboratory.
		78.34	49.39	28.11	39.11	

B.	WATER	Parameter	Results	Unit of measure	Limit	The quality of mine water is being measured on monthly basis and all values are within the limits. Average value for FY26 is provided here.
		pH	7.66	pH	5.5-9.0	
		Total Suspended Solid	20.50	mg/ltr.	100	
		Total Dissolved Solid	859.75	mg/ltr.	2100	
		Biological Oxygen Demand	2.75	mg/ltr.	30	
		Chemical Oxygen Demand	63.95	mg/ltr.	250	
		Oil & Grease	2.88	mg/ltr.	10	

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

FORM – V (See rule – 14)

Environmental Statement for the financial year ending the 31st March -2026

Sijua Colliery

PART – D

Hazardous Wastes

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

Sl No	Hazardous Waste	Total Quantity	
		During the previous financial year 2024-2025	During the current financial year 2025-2026
1.	From process Used Oil Used Battery (cap lamp battery)	 3782.9 Kgs -	 1840.0 Kgs 600 Nos
2.	From pollution control facility	-	-

PART – E

Solid Wastes

Sl No	Solid Wastes	Total Quantity	
		During the previous financial year 2024-2025	During the current financial year 2025-2026
1.	Steel Scrap and other materials (conveyor belt, cable pieces waste) collected from U/G mines.	180.23 Ton	202.83 Ton
2.	Quantity recycled or reutilized within the unit/ sold/ disposed	All wastes sold to recyclers	All wastes sold to recyclers

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. Steel Scrap and other materials**	Solid	202.83 Ton	Steel scrap and other solid wastes, which is mentioned here sent to central scrap yard for segregation and disposal to vendors.
Hazardous Waste **1. Used Oil** **2. Used Battery**	Used Oil (Liquid) Used Battery (cap lamp battery)	1840.0 Kgs 600 Nos	Hazardous wastes are disposed of registered recyclers according to applicable Hazardous Wastes Management Rules.

FORM – V (See rule – 14)

Environmental Statement for the financial year ending the 31st March -2026

Sijua Colliery

PART – G

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

The mode of transportation of raw coal from colliery to washery is shifted from truck to underground belt network system. Presently, 95% coal transportation is through belt network, thus helps in reduction of CO2 emissions as well fugitive emissions.

S. No.	Environment Management Activity	Expenditure (Lakh)
1	Stowing activities i.e filling of U/G voids for surface protection and prevention of subsidence	1187.96
2	Fire Control measures (Fire/Isolation Stopping and Nitrogen plant)	87.16
3	Goaf Filling activities, drain repairing and maintenance, settling tank maintenance jobs	19.73
4	Water spraying costs in underground and surface	31.81
5	Cleaning & Bush cutting (House Keeping of areas)	16.46
6	Making potable water in Water Treatment Plant & Supply to colonies	78.41
7	Horticultural activities including parks & garden	5.41
8	Plantation of saplings and maintenance	
9	Operation and maintenance of ETP/STP	8.99
10	Environmental Monitoring and studies	7.32
	Total Cost incurred	**1443.25**

Total annual expenditure incurred towards environmental protection is **Rs. 1443.25 lakhs**

Annual raw coal production of the plant during the year is **2.49 lakh ton.**

So the impact of the pollution abatement measures and environment protection shall be **Rs. 579.61 per ton** of raw coal production.

PART – H

Additional measures/ investment proposals for environmental 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, Sustainability Month, 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 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.

Sewage Treatment Plant has been installed of 200 KLD & 50 KLD capacity for treatment of domestic sewage. Two STPs of 10 KLD each have been installed in canteen of Bhelatand Colliery and Sijua Colliery. Regular operation and maintenance is being done to ensure optimum performance of plant. Also, we have installed one CAAQMS station at Bhelatand Colony and one PM 10 analayser in railway siding of washery.

PART – I

Any other particulars for improving the quality of environment

- We are providing safe drinking water by treating the mine dewatering water through our water treatment plant & MADA supply water to our employees.
- We regularly sprinkle water in and around the units to suppress dust.
- We have provided dust masks for our employees to prevent exposure to dust in underground mines.
- Our welfare department arranges to clean the domestic garbage from our colonies to provide better environment.
- Regular monitoring of Air Quality & mine water analysis by our separate environment management cell.
- We have developed green belts and parks/gardens with massive tree plantation, and this is a continuous process in company leasehold areas.
- Regular thrust on Environment awareness conducting training classes at P.T.I., Jamadoba.
- We are an IMS certified unit (ISO 9001:2015, 14001:2015 and 45001:2018 certified) along with SA: 8000 (Social Accountability).

Name of Unit – Sijua Colliery

Head, Sijua Colliery
Tata Steel Limited

Manager
Sijua Colliery