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

Ref. No. - JMB/ENV/ESSA/05/374/2026

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 **Jamadoba 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**

Jamadoba Colliery

## PART – A

| | |
|---|---|
| **1.Name and address of the owner/ occupier of the : industry/ operation or process** | **Jamadoba Colliery** |
| **Manager :** | **Mr. Basant Kumar Singh**<br>Sr. Area Manager, Jamadoba Colliery<br>Tata Steel Limited, P.O.- Jamadoba<br>Dist.- Dhanbad, Jharkhand-828112 |
| **Nominated Owner :** | **Mr. T.V. Narendran**<br>CEO&MD, Tata Steel Limited<br>Jamshedpur, Dist- East Singhbhum<br>Jharkhand – 831 001 |
| **2.Industry category: Primary (STC Code) Secondary (STC Code)** | -- |
| **3.Production Capacity – Units** | 0.315 MTPA – Raw coal |
| **4.Year of Establishment** | 1918 |
| **5.Date of the last environmental statement submitted** | 30th September 2025<br>(Vide Letter No. JMB/ENV/ESSA/05/443/2025) |

## PART – B

### Water and Raw Material Consumption

- **Water Consumption $M^3$ / day.**

| | Water consumption in 2024-2025 | Water consumption in 2025-2026 |
|---|---|---|
| **Process** | Not Applicable | Not Applicable |
| **Industrial** | 0.00 $M^3$/day | 0.00 $M^3$/day |
| **Domestic** | 3091.53 $M^3$/day | 2578.72 $M^3$/day |
| **Other** | Not Applicable | Not Applicable |

| 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**

Jamadoba Colliery

- **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 | 0.00 Kg/Tonne | 0.00 Kg/Tonne |
| 2. | Detonators | | 0.00 Nos/Tonne | 0.00 Nos/Tonne |

***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 | Ambient air quality is being measured, and all values are within limits as per NAAQS, 2009. The values indicated here are the average value of quarterly reports of FY26 conducted by 3rd party NABL accredited laboratory. |
| | | 85.63 | 48.99 | 18.83 | 32.91 | |

| 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 from the quarterly report for FY26 is provided here. |
|---|---|---|---|---|---|---|
| | | pH | 7.80 | pH | 5.5-9.0 | |
| | | Total Suspended Solid | 21.75 | mg/ltr. | 100 | |
| | | Total Dissolved Solid | 891.25 | mg/ltr. | 2100 | |
| | | Biological Oxygen Demand | 2.80 | mg/ltr. | 30 | |
| | | Chemical Oxygen Demand | 113.25 | mg/ltr. | 250 | |
| | | Oil & Grease | 2.82 | 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**

Jamadoba 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 (Kg.) | |
|---|---|---|---|
| | | During the previous financial year 2024-2025 | During the current financial year 2025-2026 |
| 1. | From process<br>Used Oil<br>Used Batteries | <br>983.6 Kgs<br>57 Nos | <br>Nil<br>Nil |
| 2. | From pollution control facility | - | - |

## PART – E

**Solid Wastes**

| Sl No | Solid Wastes | Total Quantity (Kg.) | |
|---|---|---|---|
| | | 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. | 136.76 Tonnes | 156.49 Tonnes |
| 2. | Quantity recycled or reutilized within the unit/ sold/ disposed | All scraps sold to vendors | All scraps sold to vendors |

## 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**<br>• **Steel Scrap and other materials** | Solid | 156.49 Tonnes | Steel scrap and other solid wastes, which is mentioned here sent to central scrap yard for segregation and disposal to vendors. |
| **Hazardous Waste**<br>• **Used Oil**<br>• **Used Batteries** | Used Oil (Liquid)<br>Used Cap Lamp Battery | Nil<br>Nil | Hazardous wastes are disposed off to 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**

Jamadoba Colliery

## PART – G

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

| S. No. | Environment Management Activity | Expenditure in Lakhs |
|---|---|---|
| 1 | Stowing activities i.e filling of U/G voids for surface protection and prevention of subsidence | 0.00 |
| 2 | Goaf Filling activities, Drain repairing and maintenance, settling tank maintenance jobs | 12.14 |
| 3 | Cleaning & Bush cutting (House Keeping of areas) | 3.46 |
| 4 | Making potable water in Water Treatment Plant & Supply to colonies | 95.77 |
| 5 | Horticultural activities including green belt development and regular lawn and garden maintenance | 17.65 |
| 6 | Plantation of saplings and maintenance | 0.78 |
| 7 | Operation and maintenance of sewage treatment plant | 11.02 |
| 8 | Environmental Monitoring & Scientific studies | 7.48 |
| | **Total Cost incurred** | **148.28** |

Total annual expenditure incurred towards environmental protection is Rs. **148.28** lakh.

Annual raw coal production of the plant during the year is Nill.

## PART – H

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

Jharia Division of Tata Steel Limited 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 from the mine was used for plantation and gardening other than used in stowing during mining operation. Four Effluent Treatment Plants based on MBBR technology have been commissioned in Jamadoba group 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.

**FORM – V (See rule – 14)**

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

Jamadoba Colliery

## 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 – Jamadoba Colliery**

**Manager, Jamadoba Colliery**
**Tata Steel Limited.**

Manager
JAMADOBA COLLIERY