



Ref: HIL/LHD/ENV/JSPCB/317

Date: 25.09.2025

To,
The Member Secretary
Jharkhand State Pollution Control Board
TA building, Ground floor
HEC Complex, PO Dhurwa
Ranchi-834003

Sub: Submission of Environment Statement Report for Bhusar Bauxite Mines (Area-65.31 ha) of M/s Hindalco Industries Limited, Lohardaga for the financial 2024-25.

Dear Sir,

This has reference to Rule 14 of Environment Protection Act 1986, we are submitting herewith the Environment Statement Report in the prescribed **Form-V** for Bhusar Bauxite Mines (Area-65.31 ha) of M/s Hindalco Industries Limited, Lohardaga for the financial year 2024-2025.

Kindly acknowledge receipt for the same.

Thanking you,

Yours faithfully,
For **M/s Hindalco Industries Limited**

Anand Tiwari
Assistant Manager (Environment & Compliance)

Encl: As Above

CC: -

1. The Regional Officer, Jharkhand State Pollution Board, Dhurwa, Ranchi
2. The Deputy Director General of Forest (C), MoEFCC, Integrated Regional Office, Ranchi

FORM-V
(See Rule-14)

Environment Statement for the financial year ending the 31st March 2025

PART-A

| | | |
|-------|--|---|
| (i) | Name & address of the owners/occupier of the industry/operation/ process | Bhusar Bauxite Mines (65.31 ha) M/s Hindalco Industries Limited, Lohardaga -835302, Jharkhand |
| (ii) | Industry Category: Primary (STC code), Secondary (SIC code) | - |
| (iii) | Production Capacity | 2.80 LTPA (Bauxite) |
| (iv) | Year of establishment | 1966 |
| (v) | Date of last environmental statement submitted | 26-09-2024 |

PART-B

Water & Raw Material Consumption

(i) Water Consumption (m³/day):

| | |
|--|-------|
| Process | Nil |
| Industrial (Sprinkling for Dust Suppression, etc.) | 13.69 |
| Domestic (Drinking & Other) | 2.85 |

Process: As the operation is mining of bauxite by the opencast method with shallow depth, therefore, water is not required in this mining process.

| Name of products | Process water consumption per unit of product output | |
|------------------|--|--|
| | During the previous financial year (2023-24) | During the current financial year (2024-25). |
| Bauxite | Nil | Nil |

Bauxite is a natural product. As such, no water is required in the mining process.

(ii) Raw material Consumption

| Name of raw materials | Name of products | Consumption of raw material per unit of output | |
|-----------------------|------------------|--|---|
| | | During the previous financial year (2023-24) | During the current financial year (2024-25) |
| Not Applicable | Bauxite | Nil | Nil |

Bauxite is a natural product, and it is produced by heavy-duty mining machinery. As such, no raw material is required in this mining process.

PART-C

**Pollutants discharge to environment/unit of output.
(Parameters as specified in the consent issued)**

| Pollutants | Quality of pollutants discharged (mass/day) | Concentrations of pollutants discharges (mass/volume) | Percentage of variation from prescribed standards with reasons |
|------------|---|---|--|
| (a) Water | <p>No wastewater is generated from our mining operation.</p> <p>However, only a negligible amount of effluent is generated from the workshop of Bagru Group of Mines, and an ETP has already been installed for the treatment of this effluent. The treated water is in a closed circuit and is reused for washing vehicles in the workshop.</p> <p>A small quantity of domestic wastewater is also generated, which is treated in STP and is used for horticulture.</p> <p>The quality of ETP and STP treated water is monitored regularly and the reports of the same are timely submitted to your good office.</p> | | Not applicable |
| (b) Air | Air monitoring is being carried out regularly, and reports of the same are timely submitted to your good office. | | Not applicable |

Remarks: The Monitoring results are well within prescribed limit.

PART-D
HAZARDOUS WASTE

(As specified under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016)

| Hazardous wastes | Total Quantity (Litre) | |
|--|--|---|
| | During the previous financial year (2023-24) | During the current financial year (2024-25) |
| (a) From process: Operation of Machines (Used/Spent Oil) * | 1750 ltr | 680 ltr |
| (b) From pollution control facilities | Not applicable | Not applicable |

***Remarks:** Combined figure for Bagru group of Mines (Bhusar and Hisri New Mines)

PART-E
Solid Waste

| Solid wastes | Total Quantity (m ³) | |
|---|---|---|
| | During the previous financial year (2023-24) | During the current financial year (2024-25) |
| (a) From process: Overburden (OB) | 231,637.85 m ³ | 279,740.31 m ³ |
| (b) Form pollution Control facility | Nil | Nil |
| (c) (1) Quantity recycled or re-utilized within the unit. | Overburden is being used for concurrent backfilling | Overburden is being used for concurrent backfilling |
| (2) Sold | Nil | Nil |
| (3) Disposed | Nil | Nil |

PART-F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicates disposal practice adopted for both these categories of wastes.

➤ **Hazardous Waste:** Total of 680 litre of used/spent oil (Category 5.1) has been generated from Bagru group of mines & stored in closed barrels at an earmarked place with proper roofing and impervious flooring, and it has been disposed of through JSPCB-authorized recyclers only.

➤ **Solid waste:** Total 279,740.31 m³ Overburden (OB) has been generated and utilized for Concurrent backfilling.

PART-G

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

➤ USEPA-approved PM10 analyser has been installed at site to continuously monitor the ambient air quality and connected with JSPCB server to ensure compliance with environmental standards.

➤ Plantation programme has been carried out along the periphery of the premises. During FY 2024-25, a total of 5395 nos. saplings have been planted within the mining lease. Cumulative 45.74 ha areas have been planted till date.

➤ Water Sprinkling is being carried out by mobile water tanker.

PART-H

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

➤ The plantation program and biodiversity growth activities will continue in the years to come.

PART-I

Any other particulars for improving the quality of the environment

The Bhusar Bauxite Mine (65.31 Ha) comes under Hindalco Mines Division, Lohardaga, which is an ISO 14001:2015, ISO 9001:2008, OHSAS 18001:2007, and SA 8000:2008 certified company. Operating under a QEHS (Quality, Environment, Occupational Health & Safety) management system, all necessary measures are taken to conserve and improve the natural environment at all sites. The QEHS management system is implemented at all Hindalco Mines and Sidings, with operational control procedures in place to prevent and control pollution.

Environmental awareness and training programs are conducted to educate people on the importance of protecting the environment.