



Ref.: HIL/LHD/ENV/JSPCB/275

Date: 23.08.2025

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

Sub: Environment Statement for Centralized Crushing and Screening Unit, of M/s Hindalco Industries Limited, Hesar District Lohardaga for the financial year 2024-25.

Dear Sir,

This has reference to Rule 14 of Environment Protection Act 1986. We are submitting herewith Environment Statement in prescribed Form V for Centralized Crushing and Screening Unit, of M/s Hindalco Industries Limited, Hesar District Lohardaga for the financial year 2024-25.

Kindly acknowledge receipt for the same.

Thanking you,

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

A handwritten signature in blue ink, appearing to read "Anand", with a long horizontal stroke extending to the right.

Anand Tiwari
Assistant Manager (Environment & Compliance)

Encl: As Above

CC: The Regional Officer, Jharkhand State Pollution Board, Dhurwa, 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.	Centralized Crushing and Screening Unit, M/s Hindalco Industries Limited, Hesal District Lohardaga, Jharkhand
(ii)	Industry Category: Primary (STC code), Secondary (SIC code)	-
(iii)	Production Capacity:	Bauxite Crushing & Screening (Machine 1) 95000 MT/Month and Bauxite Crushing & Screening (Machine 2) 95000 MT/Month
(iv)	Year of establishment	2023
(v)	Date of last environmental statement submitted	- 10.06.2024

PART-B

Water & Raw material Consumption

(i) Water Consumption (m³/day):

Process	Nil
Industrial (Sprinkling for Dust Suppression etc.)	5.6
Domestic (Drinking & Other)	2.1

Process: Here, only handling of bauxite is conducted for crushing and screening purposes. As such, no water is required in the 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 for processing at siding.

(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

* Since Bauxite is a natural product, It is handled at this unit for Crushing & Screening purpose only. Therefore, no raw material is required for the 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	No wastewater is generated from process. Only Negligible amount of domestic wastewater and is being generated collected in Septic Tank and followed by Soak Pit.	Not applicable	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	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
(a) From process: Operation of Machines (Used/Spent Oil) *	Nil	200
(b) From pollution control facilities	Not applicable	Not applicable

PART-E

Solid Wastes

Solid wastes	Total Quantity (Ton)	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
(a) From process: Undersized Bauxite Material	1109.7	29387.0
(b) Form pollution Control facility	Nil	Nil
(c) (1) Quantity recycled or re-utilized within the unit. (2) Sold (3) Disposed	1109.7 (re-utilized within the unit)	29387.0 (re-utilized within the unit)

PART-F

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

➤ **Hazardous Waste:**

The commencement of the operation has been completed recently.

Total of 200 litres of used/spent oil (Category 5.1) has been generated & stored in closed barrels at an earmarked place with proper roofing and impervious flooring, and it will be disposed of through JSPCB-authorized recyclers only.

➤ **Solid waste:** Only undersized bauxite material is generated and being reused within the unit for blending.

PART-G

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

- Mist Fog Cannon and fixed type water sprinkler have been installed in the premises.
- USEPA-approved PM10 analyzer 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, and approximately **650 nos.** saplings have been planted to date
- A rainwater harvesting (RWH) system has been developed within the premises.
- 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:

- Proposal for installation of a Digital LED Screen at the site for displaying environmental data.
- Proposal for construction of a pucca road for our unit.
- The plantation program will continue based on the availability of land.

PART-I

Any other particulars for improving the quality of the environment.

The Centralized Crushing and Screening Unit 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, 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.