



HIL/LHD/ENV/LHD/JSPCB/HESAL/ 737

Date: 10.06.2024

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, Hesel District Lohardaga for the year 2023-24.

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, Hesel District Lohardaga for the year 2023-24.

Kindly acknowledge receipt for the same.

Thanking you,

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

A handwritten signature in blue ink, appearing to read "Basudev", is written over a horizontal line.

Basudev Gangopadhyay
AVP (Planning, Environment & Compliance)

Encl: As Above

FORM-V
(See Rule-14)

Environment Statement for the financial year ending the 31st March 2024

PART-A

(i)	Name & address of the owners/ occupier of the industry/operation/ process.	Centralized Crushing and Screening Unit, M/s Hindalco Industries Limited, Hesel 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	- It is first Environmental statement

PART-B

Water & Raw material Consumption

(i) Water Consumption (m³/day):

Process	Nil
Cooling	Nil
Domestic (including Plantation, Sprinkling and Drinking purpose)	3.8

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 (2022-23)	During the current financial year (2023-24)
Bauxite	Nil	Nil

Bauxite is a natural product. As such no water is required for processing.

(ii) **Raw Material Consumption**

Name of raw materials	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
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)

(1) 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 (Ton)	
	During the previous financial year (2022-23)	During the current financial year(2023-24)
(a) From process: Operation of Machines Used or Spent Oil	Nil	Nil
(b) From pollution control facilities	Not applicable	Not applicable

Remarks: The commencement of the operation has been completed recently. Till now, no hazardous waste has been generated.

PART-E

Solid Wastes

Solid wastes	Total Quantity (Ton)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
(a) From process: Undersized Bauxite Material	Nil	1109.7
(b) Form pollution Control facility	Nil	Nil
(c) (1) Quantity recycled or re-utilized within the unit. (2) Sold (3) Disposed	Nil	1109.7 (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. Till now, no hazardous waste has been generated.

However, Used/Spent Oil (Category 5.1) will be generated from the operation of machines. Whenever it is generated, it will be stored in closed barrels at an earmarked place with proper roofing and impervious flooring and will be disposed of through JSPCB-authorized recyclers only.

➤ **Solid waste:** Only undersized bauxite material is generated and being reused in 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. Massive plantation programme has been carried out in and around the premises.

PART-H

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

The plantation program will be continued in the years to come, and a rainwater harvesting (RWH) system will be developed in FY 2024-25.

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.