

ADITYA BIRLA



Ref.: HIL/LHD/ENV/JSPCB/ 902

Date: 21.09.2024

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

Sub: Environment Statement for Meralgram Railway Siding of M/s Hindalco Industries Limited, District Garhwa for the financial year 2023-24.

Dear Sir,

This has reference to Rule 14 of Environment Protection Act 1986. We are submitting herewith Environment Statement in prescribed Form V for Meralgram Railway Siding of M/s Hindalco Industries Limited, District Garhwa for the financial year 2023-24.

Kindly acknowledge receipt for the same.

Thanking you,

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

Basudev Gangopadhyay
AVP (Planning, Environment & Compliance)

Encl: As Above

CC:-

1. The Regional Officer, Jharkhand State Pollution Board, Dhurwa, Ranchi.
2. The Deputy Director General of Forests (C), MoEF&CC, Integrated Regional Office, Ranchi.

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. | Meralgram Railway Siding M/s Hindalco Industries Limited District Garhwa, Jharkhand |
| (ii) | Industry Category: Primary (STC code), Secondary (SIC code) | - |
| (iii) | Production Capacity: | 10.8 LTPA (Bauxite) - Only handling of bauxite for dispatch to the captive plant through railway wagon. |
| (iv) | Year of establishment | 2000 |
| (v) | Date of last environmental statement submitted | 23-09-2023 |

PART-B

Water & Raw material Consumption

(i) Water Consumption (m³/day):

| | |
|---|-----|
| Process | Nil |
| Industrial (Sprinkling for Dust Suppression etc.) | 7.5 |
| Domestic (Drinking & Other) | 1.2 |

Process: This is a railway siding only handling of bauxite for dispatch to captive plant, therefore water is not required for processing at siding.

| 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 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 (2022-23) | During the current financial year (2023-24) |
| Not Applicable | Bauxite* | 3,87,639 Ton | 4,75,713 Ton |

*Dispatch quantity

As this is a railway siding and here, we receive bauxite from the mine and dispatch it to the captive plant. Therefore, no raw materials are required for processing at the siding.

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 is being generated and 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 (2022-23) | During the current financial year (2023-24) |
| (a) From process: Operation of Machines (Used/Spent Oil) * | 5143 Litre | 2825 Litre |
| (b) From pollution control facilities | Not applicable | Not applicable |

***Remarks:** Combined figure for Lohardaga Railway Siding & Office, Richughuta, Tori and Meralgram Railway Siding.

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: | Nil | Nil |
| (b) Form pollution Control facility | Nil | Nil |
| (c) (1) Quantity recycled or re-utilized within the unit. (2) Sold (3) Disposed | Nil | Nil |

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:**

Total of 2825 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 is disposed of through JSPCB-authorized recyclers only.

➤ **Solid waste:** No solid waste generated from the process

PART-G

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

Plantation programme has been carried out in the periphery of 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:

The plantation program will continue based on the availability of land, and a rooftop rainwater harvesting (RWH) system will be developed.

PART-I

Any other particulars for improving the quality of the environment.

The Meralgram Railway Siding 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.