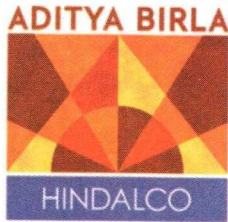


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M&M/LHD/ENV/RGT/JSPCB/ 284

Date: 29.09.2021

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

**Sub:** Environment Statement for Richughuta Railway Siding of M/s Minerals & Minerals Limited for the year 2020-21.

Sir,

This has reference to Rule 14 of Environment Protection Act 1986. We are submitting herewith Environment Statement in prescribed Form V for Richughuta Railway Siding of M/s Minerals & Minerals Limited for the financial year 2020-21.

Kindly acknowledge receipt for the same.

Thanking you,

Yours truly,  
For M/s Minerals & Minerals Limited

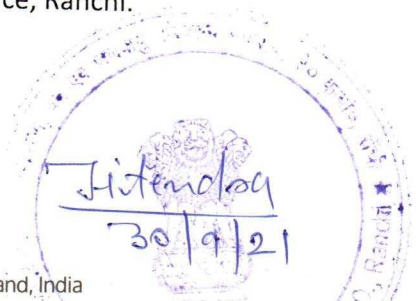
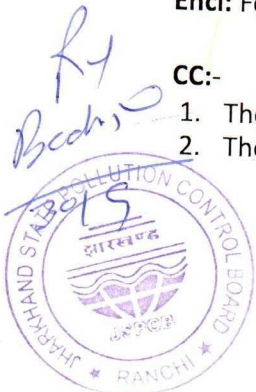
**Basudev Gangopadhyay**  
Sr GM (Geology & Environment)



**Encl:** Form-V with Annexure

**CC:-**

1. The Regional Officer, Jharkhand State Pollution Board, Dhurwa, Ranchi.
2. The Scientist (E) / Additional Director, MoEF&CC, Regional Office, Ranchi.



**(FORM-V)**  
**(See Rule-14)**

**Environment Statement for the financial year ending the 31<sup>st</sup> March 2021**

**PART-A**

(i)	Name & address of the owners/occupier of the industry/operation/ process	Richughuta railway Siding Minerals & Minerals Limited Richughuta, Latehar, Jharkhand
(ii)	Industry Category: Primary (STC code), Secondary (SIC code)	-
(iii)	Production Capacity :	6.00 LTPA (Bauxite) only handling of bauxite for dispatch to captive plant through railway wagon.
(iv)	Year of establishment	1970
(v)	Date of last environmental statement submitted	26.09.2020

**PART-B**

**Water & Raw material Consumption**

Water Consumption (m<sup>3</sup>/day): 13.41 m<sup>3</sup>/day (For water sprinkling on haul road for dust suppression, plantation and drinking water)

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

Name of products	Process water consumption per unit of product output	
	During the previous financial year (2019-20)	During the current financial year (2020-21)
	(1)	(2)
Bauxite	Nil	Nil

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

**(1) Raw material Consumption**

Name of raw materials	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (2019-20)	During the current financial year (2020-21)
Not Applicable	Bauxite	Nil	Nil

Since Bauxite is a natural product, it is produced by heavy-duty mining machinery. As such no raw material is required in mining 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 waste water discharge. Negligible amount of domestic waste water generated is being disposed off through septic tank.	Not applicable	Not applicable
(b) Air	Ambient air quality monitoring report is being timely submitted at your good office.		

Remarks: The limits are well below than the prescribed limit.

**PART-D**

**HAZARDOUS WASTE**

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

Hazardous wastes	Total Quantity (Its)	
	During the previous financial year (2019-20)	During the current financial year (2020-21)
From process (Used/Spent oil)	2124 ltr	1514 ltr
(b) From pollution control facilities	Nil	Nil

Combined figure for Lohardaga siding & office, Richughuta, Tori and Meral railway siding.

**PART-E**

**Solid Wastes**

Solid wastes	Total Quantity	
	During the previous financial year (2019-20)	During the current financial year (2020-21)

(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	-	-

#### **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

- 1) Used/Spent Oil – 1514 ltr, Sidings having proper storage & handling facility for used/spent oil. Used/spent oil generated from machineries is being stored at earmarked place in closed barrels provided with proper roofing and impervious flooring.
- 2) Solid Waste – No solid waste.

#### **PART-G**

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

Plantation has been carried out in the premises and 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.

Plantation will be carried out as per suitability.

## **PART-I**

Any other particulars for improving the quality of the environment.

Hindalco Mines Division which is an ISO 14001:2004, ISO 9001:2008, OHSAS 9001:2007 & SA 8000:2008 certified company and under QEHS management system, every care is being taken to conserve and improve the natural environment in all its mines. QEHS (Quality Environment, Occupational Health & Safety) Management system implemented at all Mines of Hindalco and operational control procedures to prevent and control pollution are in practice.

Environment training programme are conducted departmentally to generate awareness among people to save environment.