



Ref: - HIL/KOCCM/2021/ 100

Date: 30.09.2021

To,
The Member Secretary,
Jharkhand State Pollution Control Board.
T.A. Division Building, Ground Floor,
HEC Complex, Dhurwa.
Ranchi- 834004.

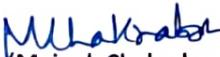
Sub: - Submission of Environment Statement in Form – V for the year 2020 – 2021 of Kathautia Open Cast Coal Mine of M/s. Hindalco Industries Ltd.

Dear Sir,

Please find **Yearly Environment Statement** in Form – V, under rule – 14 of the Environment (Protection) Rule, 1986 for Kathautia Open Cast Coal Mine of M/s Hindalco Industries Ltd., Daltonganj, Jharkhand for the year 2020 - 2021.

Kindly acknowledge the receipt of the same.

Thanking you,
Sincerely Yours,


(Mainak Chakraborty)

VP & Head
Kathautia Open Cast Coal Mines
Hindalco Industries Ltd

Enclosures: -

1. Environment Statement in Form – V
2. AAQ, Ground Water, Surface Water & Noise Level report of FY 2020-21 (**Reports of Ultimate Envirolytical Solutions**)

CC to:

The Regional Officer, Jharkhand State Pollution Control Board.
Quarter No.-E-I, C.T.I. Colony, HEC, Sector- III, Dhurwa, Ranchi – 834004.

FORM V

(See Rule 14)

Environment Statement for the financial year ending on 31st March, 2021

Part – A

- i. Name and address of the Owner/Occupier of the: **Nominated Owner:**
Industry operation or process **Shri Kailash Nath Bhandari**
Hindalco Industries Ltd
5, New Power House Road
Jodhpur – 342003, Rajasthan
- Agent:**
Shri Mainak Chakraborty
Hindalco Industries Ltd
2nd Floor, Vasundhara Mega Mart
Near Argora Chowk, P.S.-Argora
Ranchi-834002, Jharkhand
- ii. Industry category – Primary/Secondary : **Primary**
- iii. Production capacity – units : **0.8 MTPA**
- iv. Year of establishment of Mine Operation : **25/02/2017**
- v. Date of the last Environment Statement submitted: **05/09/2020**

PART – B

Water and Raw Material Consumption

- i. **Water consumption – M³/d**
Process

Water Sprinkling/spraying 50.00 KL/Day for FY 2020-21

Domestic 30.76 KL/Day for FY 2020-21

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
N/A	N/A	N/A

This is a coal mine and there is no processing/cleaning of coal is being done.

ii. Raw Material consumption :

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year (FY 2019-20)	During the current financial year (FY 2020-21)
Coal	Coal	54871.59 Tonnes	46327.05 Tonnes

*Industry may use codes if disclosing details of raw material would violate contractual Obligations, otherwise all industries have to name the raw materials used.

PART – C

**Pollution discharged to environment/unit of output
(Parameters as specified in the consent issued)**

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
(a) Water	Test Report of Mine water is attached. The survey is being carried out by <i>Ultimate Envirolytical Solutions</i>. Test Report attached herewith.		The analytical result reveal that most of the parameters are well below permissible limits.
(b) Air	Ambient Air Quality Report is Attached. The Monthly AIR, Water, Noise Monitoring Survey is being done by <i>Ultimate Envirolytical Solutions</i>. Test Report is attached herewith.		Ambient air quality result shows that the values of RPM, SPM, SO ₂ and NO _x are well within prescribed standards.

N.B: For AAQ report of FY 2020-21 is attached

PART – D
(Hazardous Wastes)

(As specified under Hazardous Wastes (Management and Handling) Rules, 1989 & Amendment Rules, 2002)

Hazardous Wastes	Total Quantity Barrel/Ltrs	
	During the previous financial year (FY 2019-20)	During the current financial year (FY 2020-21)
1. From Process	Burnt Oil - 31 Barrels (6510 Ltrs), @210 Ltrs per barrel Batteries- 48 pcs	Burnt Oil - 02 Barrels (420 Ltrs), @210 Ltrs per barrel Batteries -25 pcs
2. From Pollution Control Facilities	N/A	N/A

Authorization for Hazardous waste application has been submitted to Pollution Control Board, Jharkhand and Authorization was granted on **13/08/2018**

PART – E
(Solid Wastes)

Solid Wastes	Total Quantity (CUM/Kg)	
	During the previous financial year (FY 2019-20)	During the current financial year (FY 2020-21)
a. From process	Total = 1821437.03 CUM OB was handled for dumping. Tyre- 40 pcs (2800kg) @ 70kg per pc, Iron scrap – 1.5 Ton (1500kg)	1144203.81 CUM OB is handled Empty drums- 20 pcs Filter-25 pcs Iron Scraps- 2.04 tons
b. From Pollution Control Facility	N/A	N/A
c. Quantity recycled or Reutilized within the unit.	Total = 10,16,761.24 CUM OB was dumped in dump yard and reclamation of backfilled area	1144203.81 CUM OB was used for reclamation of mined out pit

PART – F

Please specify the characterization (in terms of composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

Quantities handled are provided in Part E above.

Disposal practice adopted: Sold to Outside Authorized Agency, namely M/s UNISON LUBRICANT INDIA PVT. LTD. PLOT NO.-26,27,28,29. INDUSTRIAL GROWTH CENTRE/AREA, JASOIYA MORE, AURRANGABAD- 824101 (BIHAR)

OB (solid wastes) quantity as mentioned in Part-E was handled and dumped in dump yard and reclamation of backfilled area.

PART – G

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

We are carrying out periodically Environmental Monitoring Survey by Ultimate Envirolytical Solutions and the report is being submitted regularly to MoEF&CC, Ranchi and JSPCB (Regional & Head office), Ranchi.

The level of AAQ is within the permissible limit. Water Quality Analysis also indicates that all the parameters are within the permissible limit.

Pollution control measures in Kathautia Open Cast Mines are being taken up extensively as per the conditions stipulated in Environmental Clearance. These are as follows: -

- **Air Pollution Control Measures:** - water spraying is going on the mines hall road and coal stockyard on regular basis. Fortnightly, air survey is being done by Personal Dust Survey. Plantation activity is going on regularly. Apart from these, Air monitoring by *Ultimate Envirolytical Solutions* is going on monthly basis. All the records are maintained and kept for the purpose.
- **Water pollution control Measures:** - Mine pit water is settled in settling ponds and is settled water is used for plantation and dust suppression. Workshop pollutants are treated through ETP.
- **Noise Pollution Control Measures and others:** - Fortnightly noise survey is done by Sound level meter, Close monitoring of noise is done by the machine during operation by the competent person.
- **Soil Erosion control measures:** -Regular Plantation activity is going on the slope and top of the dump to stop soil erosion. Proper garland drains around the dump are maintained to catch the silts. Check dams were constructed wherever required.

The control measures taken by the Company has got better effect on prevention of degradation of Environment. The level of AAQ is below the TLV. Water Quality Analysis also indicates that all the parameters are below TLV.

PART – H

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

The environmental control system undertaken by the company seems to be sufficient enough. However, if necessary, we proposed to take up more additional measures.

PART – I

Miscellaneous

Any other particulars for improving the quality of the environment –

Approximately 23,000 nos. of high value saplings and fruit bearing saplings have been planted during 2020-21. Out of 23,000 saplings; 22,550 have survived during 2020-21. These saplings have been planted OB dump yard, top soil dump and in & around the mine premises as green belt during this assessment year (2020–21). The plantation scheme will be followed extensively.


(Mainak Chakraborty)

VP & Head

Kathautia Open Cast Coal Mine
Hindalco Industries Ltd