ADITYA BIRLA
HINDALCO

Ref No: HILS/HKD/26-27/490

22nd June 2026

To

The Member Secretary
State Pollution Control Board, Odisha
Paribesh Bhawan,
A/ 118, Nilakanthanagar,
Unit – VIII,
BHUBANESWAR - 751012

Sub.: **Submission of Annual Return (Form 4) for Management and Handling of Hazardous Wastes generated in our Aluminium Smelter at Hirakud in the FY 2025-26.**

Ref: HW Authorization vide letter no.: IND-IV-HW-50/17237, dated 25.10 2024

Dear Sir,

With reference to the above, please find enclosed herewith the Annual Return in Form 4 under Hazardous & Other Waste (Management, Handling & Transboundary) Rules, 2016, with respect to our Aluminium Smelter at Hirakud for the year 2025-26.

This is for your kind information and perusal.

Thanking you,

Yours truly,

Encl: As above.

Pratap Sahu
Head - Hirakud Smelter

Copy to: The Regional Officer, SPCB Board, 1070, Hospital Road, Modipara, Sambalpur - 768 002 for kind information.

Hindalco Industries Limited
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W : www.hindalco.com
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Corporate ID No.: L27020MH1958PLC011238

FORM - 4

[See Rule 6(5), 13(8), 16(6) and 20(2)]

FORM FOR FILING ANNUAL RETURN

[To be submitted to State Pollution Control Board by 30th June of every year for the preceding period April to March]

1.	Name and address of the facility	:	Hindalco Industries Limited, Hirakud Smelter Hirakud, Sambalpur, Odisha, Pin- 768016
2.	Authorization No. and Date of issue	:	IND-IV-HW-50/17237, Dated: 25.10.2024
3.	Name of the authorized person and full address with telephone, fax number and e-mail	:	Pratap Sahu, Head - Hirakud Smelter Hindalco Industries Limited, Hirakud Sambalpur, Odisha, Pin - 768016 Ph.: (0663) 2481307; Fax: (0663) 2481356 Email ID: ranjan.j@adityabirla.com
4.	Production during the year 2023-24	:	178893.38 MT - Aluminium Hot Metal

Part A. To be filled by hazardous waste generators

1. Total Quantity of waste generated category-wise.

Sl. No.	Type of Hazardous Waste	UoM	Generation Quantity
i	Used Oil	KL	46.99
ii	Waste/ Residue containing Oil	MT	7.97
iii	Spent Pot Lining (SPL) (Cathode Residues)	MT	5333.14
iv	Silicon Carbide (SPL)	MT	136.87
v	Aluminium Dross	MT	5768.75
vi	Aluminium Dross Residue	MT	3026.69
vii	Pot Duct Cleaning Waste	MT	21.07
viii	Rejected Refractory of Furnace	MT	343.88
ix	Shot Blasting Dust (Containing Fluoride)	MT	225.72
x	Ladle Cleaning Residue	MT	90.90
xi	Rejected Filter Bags (FTP)	MT	44.96
xii	Rejected AlF_3 Bags	MT	4.68
xiii	Fluoride contaminated wastes (Skimmed & Spilled waste from potlines)	MT	666.50
xiv	Drain Cleaning Sludge	MT	206.22
xv	Floor Sweeping and Housekeeping Waste	MT	145.82
xvi	ETP Sludge	MT	69.25
xvii	Used Anode Butts	MT	22720.17
xviii	Discarded containers/liners used for storing hazardous chemicals, Nos	MT	1.46
xix	Spent Ion Exchange Resin	MT	0.19
xx	Insulated Copper Wire Scrap or Copper with PVC sheathering (DRUID)	MT	5.55
xxi	Rubber Waste, Waste Pneumatic and Other Tyres, Wastes Parings and Scrap of Rubber	MT	58.83
xxii	Damaged Insulation Materials	MT	0

* Aluminium Dross Residue is included in Aluminium Dross (generated from reprocessing of Aluminium Dross)

2.	Quantity Dispatched	Sl. No.	Type of hazardous waste	UoM	Quantity Dispatched
(i)	To Disposal Facility (CHWTSDF, Jaipur)	i	Shot Blasting Dust (Containing Fluoride)	MT	87.78
		ii	Spent Pot Lining (Refractory)	MT	3735.33
		iii	Fluoride contaminated waste (Spilled waste from potline)	MT	666.06
		iv	Floor sweeping & housekeeping waste	MT	22.43
		v	Rejected Refractory of Furnace	MT	337.73
		vi	Drain Cleaning Sludge	MT	62.86
		vii	Pot Duct Cleaning Waste	MT	21.91
		viii	Rejected Filter Bags (FTP)	MT	49.56
(ii)	To recycler or co-processors or pre-processor	Sl. No.	Type of hazardous waste	UoM	Quantity Dispatched
		i	Shot Blasting Dust (Containing Fluoride)	MT	126.26
		ii	Used Oil	KL	46.99
		iii	Spent Pot Lining (Carbon)	MT	1607.81
		iv	Spent Pot Lining (Refractory)	MT	182.88
		v	Spent Pot Lining (Silicon Carbide)	MT	113.82
		vi	ETP sludge	MT	64.79
		vii	Floor sweeping & housekeeping waste	MT	123.39
		viii	Drain Cleaning Sludge	MT	143.36
		ix	Aluminium Dross (Sale to recyclers)	MT	1628.38
		x	Aluminium Dross Residue	MT	2956.4
		xi	Used Anode butts send to Aditya Aluminium	MT	20258.59
		xii	Used Anode butts send to Outside authorized recyclers	MT	2417.93
		xiii	Waste/Residue containing oil	MT	12.26
		xiv	Insulated Copper Wire Scrap or Copper with PVC sheathering (DRUID)	MT	7.73
		xv	Rubber Waste, Waste Pneumatic and Other Tyres, Wastes Parings and Scrap of Rubber	MT	61.83
(iii)	Others	NIL			
3.	Quantity Utilized In-House if any	Sl. No.	Waste Description	UoM	Quantity Utilized	Mode of utilization
		i	Rejected AlF_3 Bags	MT	4.67	Incinerated in Pots
		ii	Aluminium Dross	MT	3815.44	Inhouse Recycling for metal recovery

		iii	Ladle cleaning residue	MT	90.9	Reused in pots
		iii	Spent Ion Exchange Resin	MT	0.22	Incinerated in CPP boilers

4.	**Quantity of storage at the end of the year (2023-24)**	**Sl. No.**	**Type of hazardous waste**	**UoM**	**Quantity**
		i	Used Oil	KL	0.00
		ii	Waste/ Residue containing Oil	MT	0.00
		iii	Spent Pot Lining (SPL) (Cathode Residues)	MT	39.00
		iv	Silicon Carbide (SPL)	MT	23.05
		v	Aluminium Dross	MT	480.63
		vi	Aluminium Dross Residue	MT	81.44
		vii	Pot Duct Cleaning Waste	MT	0.00
		viii	Rejected Refractory of Furnace	MT	10.00
		ix	Shot Blasting Dust (Containing Fluoride)	MT	20.25
		x	Ladle Cleaning Residue	MT	0.00
		xi	Rejected Filter Bags (FTP)	MT	0.00
		xii	Rejected AlF_3 Bags	MT	0.00
		xiii	Fluoride contaminated wastes (Skimmed & Spilled waste from potlines)	MT	0.44
		xiv	Drain Cleaning Sludge	MT	0.00
		xv	Floor Sweeping and Housekeeping Waste	MT	0.00
		xvi	ETP Sludge	MT	11.82
		xvii	Used Anode Butts	MT	62.83
		xviii	Discarded containers/liners used for storing hazardous chemicals, Nos	MT	0.79
		xix	Spent Ion Exchange Resin	MT	0.00
		xx	Insulated Copper Wire Scrap or Copper with PVC sheathering (DRUID)	MT	0.00
		xxi	Rubber Waste, Waste Pneumatic and Other Tyres, Wastes Parings and Scrap of Rubber	MT	0.00
		Total Quantity of storage at the end of the year (2025-26): 730.25 MT			

Part B. To be filled by Treatment, Storage, and Disposal Facility Operators

1	Total quantity received	**Not Applicable**
2	Quantity in stock at the beginning of the year	
3	Quantity treated	
4	Quantity disposed of in landfills as such and after treatment	
5	Quantity incinerated (if applicable)	
6	Quantity processed other than specified above	
7	Quantity in storage at the end of the year	

Part C. To be filled by recyclers or co-processors or other users		
1	Quantity of waste received during the year – i) Domestic sources ii) Imported (if applicable)	Not Applicable
2	Quantity in stock at the beginning of the year	
3	Quantity recycled or co-processed or used	
4	Quantity of products dispatched (where applicable)	
5	Quantity of waste generated	
6	Quantity of waste disposed	
7	Quantity re-exported (wherever applicable)	
8	Quantity in storage at the end of the year	

Date: 22.06.2026
Place: Hirakud

Signature of the Occupier or Operator of the disposal facility