



NATIONAL ALUMINIUM COMPANY LIMITED
(A GOVT. OF INDIA ENTERPRISE)
SMELTER PLANT, NALCONAGAR- 759 145, ANGUL
Fax: 91-6764-220206, Tel: 91-6764 -220645
CIN:L27203OR1981GOI000920

Ref: SAN/GGM(S)/ 549 / 2025

Dt. 05.05.2025

To
The Member Secretary,
State Pollution Control Board, Odisha,
(Deptt. of Forest & Environment, Govt. of Odisha)
Paribesh Bhavan, A-118, Nilakanthanagar,
Unit-VIII, Bhubaneswar- 751 012

[By e-mail: paribesh1@ospcboard.org, hwmd@ospcboard.org]

Sub: Annual Returns in Form-4


Ref: Hazardous Wastes Authorization No. IND-IV- HW-08/4582, Dtd.30.03.2024

Sir,

Please find enclosed herewith the Annual Return in Form-4 of Smelter Plant, NALCO for the year **2024-25** as required under Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016.

Thanking you.

Yours Sincerely,


Group General Manager
Smelter Plant, NALCO

Encl: As above
सचीवानन्द जेना/S.N. Jana
समूह महाप्रबंधक(प्रदूषक)/GGM(Smelter)
प्रदूषक संयंत्र/Smelter Plant
नालको, अंगुल/Nalco Angul

Copy to:

The Regional Officer, State Pollution Control Board, Odisha,
(Deptt. of Forest & Environment, Govt. of Odisha)
S-3/3, Industrial Estate, Hakimpada, Angul-759143

[By e-mail: rospcb.angul@ospcboard.org]

- for kind information

FORM -4

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

FORM FOR FILING ANNUAL RETURNS

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

(For the period April 2024 to March 2025)

1. **Name and address of the facility:** NATIONAL ALUMINIUM COMPANY LIMITED
SMELTER PLANT, NALCONAGAR,
ANGUL, ORISSA-759 145
2. **Authorisation No. and Date of issue:** IND-IV- HW-08/4582, Dtd.30.03.2024
3. **Name and address of the authorized person with full address with telephone no. and fax no.** Shri Pankaj Kumar Sharma
Director (Production)
National Aluminium Co. Ltd.
NALCO Bhavan, P/1, Nayapalli,
Bhubaneswar-751013
Ph-0674-2300660, Fax-0674-2301608
4. **Production during the year 2024-25 (product wise), wherever applicable:**

Standard ingot with alloys	2,21,279 MT
Tee-ingot	56,644 MT
Sow ingot	47,090 MT
Wire rod	87,908 MT
Billets	26,163 MT
Rolled Product	20,631 MT
Anode Stem	422 MT

Total: Cast Metal Production 4,60,137 MT

Part A. To be filled by hazardous waste generators

Sl. No.	Description of Hazardous Waste	Unit	Quantity Generated during 2024-25	Authorised Quantity	Quantity dispatched / disposed	Quantity utilised in-house, if any	Quantity in storage at the end of the year 2024-25
1	Used or Spent Oil	MT	59.730	1000	59.860 (Sold to Authorised recycler)	Nil	71.400
2	Wastes/ residues containing oil	MT	81.050	205	79.71 incinerated in Captive HW Incinerator and 1.34 disposed in Captive SLF	Nil	Nil
3	Cathode residues including pot lining waste	MT	2035	6000	2657.3 (Sent to Authorised recycler)	Nil	57935.5 (includes previous stock)
4	Tar containing wastes	MT	0	100	33.540 (Disposed in CHWTSDF)	Nil	Nil
5	Chemical sludge from Waste water treatment	MT	8.440	10	8.440 (Disposed in Captive SLF)	Nil	Nil
6	Flue gas dust & other particulates	MT	1.5	15	1.5 (Disposed in CHWTSDF)	Nil	Nil
7	Spent copper catalyst	MT	0	0.15	Nil	Nil	Nil
8	Rejected filter bags (FTP)	MT	13.690	50	12.466 (incinerated in Pots)	Nil	1.224
9	Asbestos Waste	MT	10.657	45	10.760 (Disposed in CHWTSDF)	Nil	14.296
10	Coke dust	MT	201.670	800	201.670 (Disposed in CHWTSDF)	Nil	Nil
11	Spent Ion-exchange resin containing toxic metal	MT	0	10	Nil	Nil	Nil
12	Green anode ridge waste	MT	5416	6000	Nil	5277 (Recycled in Anode making)	139
13	Green anode cooling decantation tank sludge	MT	5	5	Nil	5 (Recycled in Anode making)	Nil

Sl. No.	Description of Hazardous Waste	Unit	Quantity Generated during 2024-25	Authorised Quantity	Quantity dispatched / disposed	Quantity utilised in-house, if any	Quantity in storage at the end of the year 2024-25
14	Carbon anode baking waste	MT	4	24	Nil	4 (Recycled in Anode making)	Nil
15	Drain cleaning sludge	MT	18.340	24	14.430 (Disposed in Captive SLF)	Nil	3.910
16	Ladle cleaning residues	MT	132	600	115.110 (Disposed in CHWTSDf)	Nil	55.890
17	Spilled waste (FTP)	MT	527.5	1200	Nil	527.5 (Recycled in pots)	Nil
18	Incineration ash	MT	16.595	50	16.240 (Disposed in Captive SLF)	Nil	0.355
19	Spent Anode	MT	74592	70000	Nil	74592 (Recycled in Anode making)	Nil
20	Floor sweeping waste	MT	*	4000	*	*	*
21	Shot blasting waste	MT	*	3500	*	*	*
22	Rejected AlF3 bags	MT	30.769	35	Nil	Nil	47.382
23	Aluminium dross	MT	10216.3	10000	4402.3 (Sold to Authorised recycler)	4610.2 (Recycled in Rodding Shop additional bath system)	8731.634
24	Rejected lining of furnace	MT	*	25	*	*	*
25	Empty Barrels/ containers/ liners contaminated with hazardous chemicals / wastes	MT	6.8	1000	6.8 (Sold to Authorised recycler)	Nil	Nil

Sl. No.	Description of Hazardous Waste	Unit	Quantity Generated during 2024-25	Authorised Quantity	Quantity dispatched / disposed	Quantity utilised in-house, if any	Quantity in storage at the end of the year 2024-25
26	Waste Copper Cable	MT	Nil	50	Nil	Nil	Nil
*	Total including Flue gas dust & other particulates, Coke dust, Floor sweeping waste, Shot Blasting Waste & Rejected lining of furnace (Mentioned at Sl. No.-6, 10, 20, 21 & 24)	MT	7942	7525	4242 (Disposed in CHWTSDF)	Nil	5200

Part B. To be filled by Treatment, Storage and Disposal Facility (TSDF) operators:

1. Total quantity received: 40.440 MT (received in Captive SLF)
 1131.090 MT (removed from Captive SLF)
 79.710 MT(received in the HW incinerator.)
2. Quantity in stock at the beginning of the year : 31272.71 MT
3. Quantity treated : 40.440 MT
4. Quantity disposed in landfills as such and after treatment : 40.440 MT
5. Quantity incinerated (if applicable) : 79.710 MT
6. Quantity processed other than specified above : Nil
7. Quantity in storage at the end of the year: 30182.05 MT

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) -
2. Quantity in stock at the beginning of the year -
3. Quantity recycled or co-processed or used –
4. Quantity of products dispatched (wherever 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 -

NOT APPLICABLE



General Manager(SH&E)

Date:

Place: Smelter Plant, Nalconagar