

**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 2023 to March 2024)**

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-08/5281, Dtd.31.03.2023
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 2023-2024 (product wise), wherever applicable:**

<b>Hot Metal Production</b>	<b>4,67,042 MT</b> ✓
Standard ingot with alloys	2,32,124 MT ✓
T - ingot	44,193 MT ✓
Sow ingot	43,774 MT ✓
Wire rod	95,588 MT ✓
Billets	27,687 MT ✓
Rolled Product	19,483 MT ✓
Anode Stem	580 MT ✓
<b>Total: Cast Metal Production</b>	<b>4,63,428 MT</b> ✓

**Part A. To be filled by hazardous waste generators**

Sl. No.	Description of Hazardous Waste	Unit	Quantity Generated during 2023-24	Authorised Quantity	Quantity dispatched / disposed	Quantity utilised in-house, if any	Quantity in storage at the end of the year 2023-24
1	Used or Spent Oil	MT	134.275	1000	118.745 (Sold to Authorised recycler)	Nil	71.53
2	Wastes/ residues containing oil	MT	75.22	205	75.22 (incinerated in Captive HW Incinerator)	Nil	Nil
3	Cathode residues including pot lining waste	MT	1925	6000	5004.2 (Sent to Authorised recycler)	Nil	58557.8 (includes previous stock)
4	Tar containing wastes	MT	85	100	51.46 (Disposed in CHWTSDF)	Nil	33.54
5	Chemical sludge from Waste water treatment	MT	0	10	Nil	Nil	Nil
6	Flue gas dust & other particulates	MT	1.5	15	Nil	1.5 (Recycled in Anode making)	Nil
7	Spent copper catalyst	MT	0	0.15	0.53 (Disposed in Captive SLF)	Nil	Nil
8	Rejected filter bags (FTP)	MT	28.436	50	28.436 (incinerated in Pots)	Nil	Nil
9	Asbestos Waste	MT	38.269	45	34.96 (Disposed in CHWTSDF)	Nil	14.399
10	Coke dust	MT	184.69	800	Nil	184.69 (Recycled in Anode making)	Nil
11	Spent Ion-exchange resin containing toxic metal	MT	0	10	Nil	Nil	Nil
12	Green anode ridge waste	MT	4042.6	6000	Nil	4042.6 (Recycled in Anode making)	Nil
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 2023-24	Authorised Quantity	Quantity dispatched / disposed	Quantity utilised in-house, if any	Quantity in storage at the end of the year 2023-24
14	Carbon anode baking waste	MT	4	24	Nil	4 (Recycled in Anode making)	Nil
15	Drain cleaning sludge	MT	22.08	24	22.08 (Disposed in Captive SLF)	Nil	Nil
16	Ladle cleaning residues	MT	176.25	600	278.51 (Disposed in CHWTSDf)	Nil	39
17	Spilled waste (FTP)	MT	637.5	1200	Nil	637.5 (Recycled in pots)	Nil
18	Incineration ash	MT	9.59	50	9.59 (Disposed in Captive SLF)	Nil	Nil
19	Spent Anode	MT	76729	70000	Nil	76729 (Recycled in Anode making)	Nil
20	Floor sweeping waste	MT	*	4000	*	*	*
21	Shot blasting waste	MT	*	3500	*	*	*
22	Rejected AlF3 bags	MT	26.483	35	9.87 (incinerated in HW Incinerator & Pots)	Nil	16.613
23	Aluminium dross	MT	9972.434	10000	6278.07 (Sold to Authorised recycler)	5435.53 (Recycled in Rodding Shop additional bath system)	7527.834
24	Rejected lining of furnace	MT	*	25	*	*	*
25	Empty Barrels/ containers/ liners contaminated with hazardous chemicals / wastes	MT	34	1000	34 (Sold to Authorised recycler)	Nil	Nil



Sl. No.	Description of Hazardous Waste	Unit	Quantity Generated during 2023-24	Authorised Quantity	Quantity dispatched / disposed	Quantity utilised in-house, if any	Quantity in storage at the end of the year 2023-24
*	Total including Floor sweeping waste, Shot Blasting Waste & Rejected lining of furnace (Mentioned at Sl. No.-20, 21 & 24)	MT	4672.270	7525	7020.28 (Disposed in CHWTSDF)	Nil	1500

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

1. Total quantity received: 21.90 MT (received in Captive SLF)  
2272.01 MT (removed from Captive SLF)  
75.22 MT(received in the HW incinerator.)
2. Quantity in stock at the beginning of the year : 33522.82 MT
3. Quantity treated : 21.90 MT
4. Quantity disposed in landfills as such and after treatment : 21.90 MT
5. Quantity incinerated (if applicable) : 75.22 MT
6. Quantity processed other than specified above : Nil
7. Quantity in storage at the end of the year: 31272.71 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:

12/06/24

Place: Smelter Plant, Nalconagar

अभिजीत सिन्हा/Abhijit Sinha  
महाप्रबंधक (एस एच एंड ई)/GM (SH&E)  
Smelter Plant, NALCO, Angul