

BALCO/ENV/T/A-05 /2024/207

28<sup>th</sup> June 2024

To,  
The Member Secretary,  
Head Office, Chhattisgarh Environment Conservation Board,  
Paryavas Bhawan, North Block, Sector-19,  
Nava - RAIPUR (C.G).

**Sub:** Submission of Hazardous Waste Return (**Combined**) for the year 2023-2024 for M/s Bharat Aluminium Company Limited (BALCO), Korba.

Dear Sir,

With reference to the above, we are enclosing herewith the Hazardous Waste Returns (**Combined**) in the prescribed format FORM – 4 as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for our following units:

- BALCO Metal Plants Consisting Smelter 2.7 LTPA & its Fabrication including NCRM, HTRM and Smelter 3.25 LTPA
- BALCO Power Plants Consisting 540 MW and 1200 MW Power plants including DG Sets

This is for your kind information and records please.

Thanking you,

Yours truly,



(Authorized Signatory)

**Encls:** a/a

**CC:** Regional Officer, CECB, Korba.



# 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]

1	Name and address of facility	Bharat Aluminium Company Ltd. (BALCO) Balconagar, Korba 495684
2	Authorisation No. and Date of issue	Combined Authorisation No. 9405/HSMD/HO/CECB/2024 Nava Raipur Atal Nagar dated 23.02.2024
3	Name of the authorised person and full address with telephone, fax number and e-mail:	RK Singh DY. CEO Metal  Bharat Aluminium Company Ltd. Balconagar, Korba 495684 Tel :07759241194 Fax: 07759242031
4	Production during the year (product wise), wherever applicable	Smelter-2.7 LTPA - 262776.71 MT Smelter-3.25 LTPA - 320263.87 MT CPP-540 MW - 3866685.00 MWh TPP-1200 MW - 7791064.00 MWh
<b>Part A. To be filled by hazardous waste generators</b>		
1	Total quantity of waste generated category wise	<ol style="list-style-type: none"> <li>Used/Spent/Waste Oil (5.1) - 210.810 MT</li> <li>Waste/ Residues Containing Oil (5.2) - 3.986 MT</li> <li>Cathode Residues Incl Potlining waste(11.2) - Total 10712.000 MT</li> <li>Chemical Sludge from Waste Water Treatment(35.3)- 0.700 MT</li> <li>Rejected Filter Bags (FTP)(33.1) - 47.930 MT</li> <li>Flammable Chemical waste from Lab (C-1)- 0.016 KL</li> <li>Used Anode Butts (11.6) - 75282.499 MT</li> <li>Drosses and waste from treatment of salt sludge(11.5)- 8225.775 MT</li> <li>Flue gas dust &amp; other particulates (11.4) - 3146.50 MT</li> <li>Spent ion exchange resin cont. toxic metals(35.2)- 0 MT</li> <li>Glasswool (C-4)- 2.000 MT</li> <li>Discarded Asbestos (15.2) - 23.950 MT</li> <li>Empty barrels/containers/liners contaminated with Haz.Che./Waste-(33.1) - 97.150</li> <li>Oil &amp; Grease skimming (35.4) - Nil</li> </ol>
2	<b>Quantity dispatched</b>	
	(i) to disposal facility	<ol style="list-style-type: none"> <li>Chemical Sludge from Waste Water Treatment (35.3)- 0.700 MT (Captive SLF)</li> <li>Discarded Asbestos (15.2) - 23.950 MT (Captive SLF)</li> </ol>
	(ii) to recycler or co-processors or pre-processor	<ol style="list-style-type: none"> <li>Used oil - Total 201.090 MT</li> <li>Cathode Residue including pot line waste - Total 20305.940 MT</li> <li>Drosses and waste from treatment of salt sludge(11.5)- 11353.830 MT</li> <li>Flue gas dust &amp; other particulates (11.4) - 0 MT</li> <li>Empty barrels/containers/liners contaminated with Haz.Che./Waste-(33.1)- 149.790 MT</li> <li>Used Anode Butts (11.6) - 1396.360 MT</li> </ol>
	(iii) others	1 Glasswool (C-4)- 84.500 MT (Stored inside plant due to unavailability of disposal option)
3	Quantity utilised in-house, if any -	<ol style="list-style-type: none"> <li>Used Anode Butts (11.6) - 75046.959 MT (Recycled as per Authorization)</li> <li>Waste/ Residues Containing Oil (5.2) - 3.986 MT- Captive disposal as per authorization</li> <li>Rejected Filter Bags (FTP)(33.1) - 47.930 MT Captive disposal as per authorization</li> <li>Flammable Chemical waste from Lab (C-1)- 0.020 KL Captive disposal as per authorization</li> <li>Spent ion exchange resin cont. toxic metals(35.2)- 0 MT Captive disposal as per authorization</li> <li>Oil &amp; Grease skimming (35.4) - Not generated during the FY 2023-24</li> </ol>

B.O.

4	Quantity in storage at the end of the year	1. Used/Spent/Waste Oil (5.1) – 27.570 MT 2. Waste/ Residues Containing Oil (5.2) - Nil 3. Cathode Residues Incl Potlining waste(11.2) - 55906.150 MT (Including Carbon abd Refractory)* 4. Chemical Sludge from Waste Water Treatment(35.3)- Nil 5. Rejected Filter Bags (FTP)(33.1) - Nil 6. Flammable Chemical waste from Lab (C-1)- Nil 7. Used Anode Butts (11.6) – 376.224 MT 8. Drosses and waste from treatment of salt sludge(11.5)- 1001.814 MT 9. Flue gas dust & other particulates (11.4) - 19789.900 MT 10. Spent ion exchange resin cont. toxic metals(35.2)- Nil 11. Glasswool (C-4)- 84.500 MT 12. Discarded Asbestos (15.2) - Nil 13. Empty barrels/containers/liners contaminated with Haz. Che./Waste-(33.1) - 7.360 MT 14. Oil & Grease skimming (35.4) - Nil
<b>Part B. To be filled by Treatment, storage and disposal facility operators</b>		
1	Total quantity received	NA
2	Quantity in stock at the beginning of the year	NA
3	Quantity treated	NA
4	Quantity disposed in landfills as such and after treatment	NA
5	Quantity incinerated (if applicable)	NA
6	Quantity processed other than specified above	NA
7	Quantity in storage at the end of the year	NA
<b>Part C. To be filled by recyclers or co-processors or other users</b>		
1	Quantity of waste received during the year	NA
	(i) domestic sources	NA
	(ii) imported (if applicable)	NA
2	Quantity in stock at the beginning of the year	NA
3	Quantity recycled or co-processed or used	NA
4	Quantity of products dispatched (wherever applicable)	NA
5	Quantity of waste generated	NA
6	Quantity of waste disposed	NA
7	Quantity re-exported (wherever applicable)	NA
8	Quantity in storage at the end of the year	NA



Date: 28.06.24

Place - Balco, Korba

Signature of the Occupier or  
Operator of the disposal facility

BOK