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FACOR

Ref. No: FACOR/HSE/ES/25-1
Date: 29.09.2025

To,

The Member Secretary,
State Pollution Control Board,
Paribesh Bhawan, A/118,
Nilakantha Nagar, Unit-VIII,
Bhubaneswar.

Sub: **Submission of Environment Statement for the year 2024-25 by M/s Ferro Alloys Corporation Limited (Charge Chrome Plant), Randia, Bhadrak.**

Sir,

With reference to the above cited subject, please find enclosed copy of Environmental Statement for the financial year ending 31st March,2025 in **Form-V** by M/s Ferro Alloys Corporation Limited (Charge Chrome Plant) for your kind perusal.

Thanking you,

Yours faithfully,
For **Ferro Alloys Corporation Limited**
Charge Chrome Plant

Kamod Singh
for **Factory Manager**

Encl: As above

Copy to: The Regional Officer, SPCB, Balasore.

M/s. Ferro Alloys Corporation Ltd. (A subsidiary of Vedanta Ltd.)
Registered Office:
D.P.Nagar, PO : Randia, Dist.: Bhadrak, Odisha, India - 756 135
T +91-6784 240320/240347, Email: facor.mines@vedanta.co.in / facor.ccp@vedanta.co.in
Website: www.facorgroup.in, CIN: U45201OR1955PLC008400.

FORM V

(See Rule 14)

Environmental Statement for the Financial Year Ending 31st March 2025.

PART – A

i. **Name and address of the owner/occupier of the industry operation process** : **Mr Pankaj Kumar Sharma**
Chief Executive Officer
M/s. Ferro Alloys Corporation Ltd.,
Charge Chrome Plant,
Randia, Bhadrak-756135, Odisha.

ii. **Industry category Primary** : Large

iii. **Production Capacity-Units** :
High Carbon Ferro Chrome production of 1,45,000 TPA (from 1 X 45 MVA & 1 X 33 MVA SAF) and 11,800 TPA from MRP by M/s Ferro Alloys Corporation Ltd., located at Village-Randia, District-Bhadrak, Odisha

iv. **Year of Establishment** - 7th March, 1983.

v. **Date of the last environmental statement submitted** – 28.09.2024.

PART – B

Water and Raw Material Consumption

1. **Water Consumption:**

Process – 854 **m^3/day**
Cooling – 221 **m^3/day**
Domestic – 39 **m^3/day**

Name of Products	Process Water Consumption Per Unit of Product Output	
	During the Previous Financial Year 2023-24	During the Current Financial Year 2024-25
High Carbon Ferro Chrome	- 3.49 m^3/MT (Process) - 0.98 m3/MT (Cooling) - 0.50 m3/MT (Domestic) - 4.97 m3/MT (Total)	- 3.77 m^3/MT (Process) - 0.97 m3/MT (Cooling) - 0.17 m3/MT (Domestic) - 4.91 m3/MT (Total Consumption)

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2. **Raw Material Consumption**

Name of Raw Materials	Name of Products	Consumption of Raw Material Per Unit of Output (MT)	
		During the Previous Financial Year 2023-24	During the Current Financial Year 2024-2025
Chrome Ore	Charge Chrome/ High Carbon Ferro Chrome (MT)	2.365 MT	2.544 MT
Coke		0.553 MT	0.576 MT
Quartzite		0.011 MT	0.077 MT
Bauxite		0.021 MT	0.044MT
Electrode Paste		12.4 Kg	15 Kg
Hydrated Lime		0.0657 MT	0.064MT

PART – C

Pollution Discharge to Environment/ Unit of Output

(Parameter as Specified in the Consent Issued)

1. **Water**

No Pollution discharge through Water. Zero Liquid Discharge has been maintained.

2. **Air**

Sl. No.	Parameter	Unit	Standard as per CTO	Analysis Results			
				GCP Stack (45 MVA)	GCP Stack (33 MVA)	Dedusting stack	Dryer Stack
1	Particulate Matter as PM	mg/Nm^3	100	74.1	25	55.1	60.4
2	Sulphur Dioxide as SO_2	mg/Nm^3	--	28.8	25.8	32.5	34.2
3	Oxides of Nitrogen as NO_X	mg/Nm^3	--	34.6	32.6	37.8	38.1
4	Carbon Monoxide as CO	mg/m^3	--	0.089	0.081	0.028	0.078
5	Carbon dioxide as (CO_2)	%	--	7.1	7.2	6.7	6.3
6	Mercury (as Hg)	mg/Nm^3	--	0.075	0.07	0.58	0.78

PART – D

Hazardous Waste

(As Specified Under Hazardous Waste (Management and Handling) Rule, 2016)

Hazardous Wastes	Total Quantity Generated (kg)	
	During the Current Financial Year 2023-24	During the Current Financial Year 2024-25
a) Used oil	1700	11710
b) Exhaust Air or Gas Cleaning Residue	964910	1223700
c) Waste Oil Filters	Nil	Nil
d) Waste/Residues Containing Oil	Nil	Nil
e) Empty Barrels	1540	Nil

PART – E

Solid Wastes

Solid Waste		Total Quantity	
		During the Previous Financial Year 2023-24	During the Current Financial Year 2024-25
(a) From Process		82745.71 MT (Slag)	**114332.59** MT (Slag)
(b) From Pollution Control Facility		964910 (GCP dust)	1223700 (GCP dust)
(c) 1) Quantity Recycle and Re-Utilized within the Unit	Slag	Part of Jigging Slag used for Civil Construction Work	Part of Jigging Slag used for Civil Construction Work
	GCP Dust	881220 MT	1127570 MT
2) Sold	Slag	62621.75 MT	91334.46 MT
	GCP Dust	Nil	Nil
3) Disposed	Slag	Used for filling low lying areas inside & outside plant premises	Used for filling low lying areas inside & outside plant premises

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PART – H

Additional measures / investment proposal for environmental protection Including abatement of pollution

Expenditure for Environmental Protection FY 2024-25

Sl. No.	Description	Amount (Rs.)
i	Engagement of Truck mounted Mist cannon	25,48,660
ii	Modification of Wheel Washing System	6,00,000
iii	CMC of CAAQMS & CEMS with Data Connectivity	6,88,750
iv	Operational & Maintenance of Mechanical Road Sweeping Machine	18,28,925
v	Greenbelt development & engagement of worker for plantation maintenance work	89,57,588
vi	Wastewater Treatment Plant Operation & Maintenance	8,54,734
vii	Gas Cleaning Plant operation and maintenance cost	13,33,987
viii	Gas Cleaning Plant Energy cost	1,05,95,099
ix	Installation of Mist canon	6,80,000
x	Environment Monitoring Expanses (Air, Water, Waste, Noise etc)	5,16,765

PART – I

Any other particulars for improving the quality of the environment.

- FACOR is a certified company of Quality Management System (ISO-9001: 2015), Environmental Management System (ISO-14001: 2015), Occupational Health & ISO 45001:2018 and Energy Management System (ISO-50001:2018).

- FACOR is comprehensively working to achieve ESG Goals on key thematic area of Transforming Communities, Transforming the Planet and Transforming the Workplace. Inline with this we have taken various initiatives towards carbon neutrality, net water positivity, greener business model, biodiversity conservation etc.

- FACOR Charge Chrome Plant has taken various initiatives for abatement of pollution control and environment protection measures. We have installed 10KLD STP at plant and 50KLD STP at colony for sewage water treatment and recycle the water in greenbelt development. Similarly, 1000KLD Surface Runoff Treatment Plant has been installed to treat all runoff water inside the CPP & CCP plant to achieve Zero Liquid Discharge. We have engaged mist canyon and mechanized road sweeping machine to control fugitive emissions.

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