

Ref. No: FACL/BDK/SPCB/125/2026-27

Date: 28.09.2026

To,

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

**Sub: Submission of Environmental Statement for the year 2025-26 by M/s Ferro
Alloys Corporation Limited (Power 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, 2026 in **Form-V** by M/s Ferro Alloys Corporation Limited (Power Plant) for your kind perusal.

Thanking you,

Yours faithfully,
For **Ferro Alloys Corporation Limited**



**Dipankar Ghosh
Factory Manager-PP**

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: U452010R1955PLC008400.

**ENVIRONMENTAL STATEMENT
REPORT (FORM-V)**

**FOR THE FINANCIAL YEAR
2025-26**

IN RESPECT OF

FERRO ALLOYS CORPORATION LIMITED (POWER PLANT)

Randia, Bhadrak,
Odisha.

FORM – V
(See Rule – 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2025-26

PART - A

01. Name and address of the owner/occupier of the industry operation : Mr. Manoj Keshari
Chief Executive Officer
M/s. Ferro Alloys Corporation
Limited (Power Plant)
At:D.P.Nagar, PO:Randia,
District – Bhadrak-756135, Odisha.
02. Industry Category : Red category
Primary (STC Code)
Secondary (SIC code)
03. Production Capacity : Captive Power Plant - 100 MW
04. Year of Establishment : July'2011
05. Date of last Environmental Statement submitted : 29.09.2025



PART - B

WATER CONSUMPTION & RAW MATERIAL CONSUMPTION

1. <u>Water Consumption</u>	<u>M³/day</u>
Process	237
Industrial Cooling	3964
Domestic (Potable)	33

2. Process Water Consumption

Name of the Products	Generation		Process water consumption / unit of Output	
	24-25	25-26	24-25	25-26
Power	438682 MWH	530903 MWH	3.35 m ³ /MW	2.96 m ³ /MW

3. Raw Material Consumption

Name of raw materials	Name of the product	Consumption of raw materials / unit of product output	
		24-25	25-26
Coal	Power	0.955 MT/MW	0.985 MT/MW
HSD	Power	67.05 KL	121.328 KL

PART - C

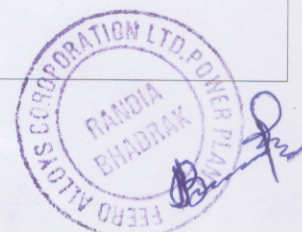
Pollution discharged to environment / unit of output (Parameters as specified in the consent issued)

A: WATER

No pollutant is discharged with water as the plant follows Zero Liquid Discharge Policy.

B. AIR

Sl.No.	Location	Pollutant concentration			Hg (mg/Nm ³)
		PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	
1	ESP outlet of CFBC Boiler	44.84	140.75	166.18	<0.03



PART – D

HAZARDOUS WASTE

(As specified under hazardous waste management and handling rules, 1989)

Hazardous Waste	Total Quantity	
	24-25	25-26
Used Oil	10.19 KL	0.89 KL
Waste containing Oil	0T	0 MT
Spent Resin	0 MT	0 MT
ETP Chemical Sludge	0 MT	0 MT
Empty Containers	0.98 MT	0 MT

PART- E

SOLID WASTE

Source	Total Quantity (MT)	
	24-25	25-26
Fly ash from Silos	166029	209151
Bottom ash from Boiler	29568	60869

PART - F

Please specify characterization (in terms of composition and quantum) of hazardous as well as solid waste and indicate disposal adopted for both these categories of waste.

Solid Waste	Total Quantity (25-26)	Characteristics of fly ash	Remarks
Fly ash & Bottom Ash	270020 MT	Al ₂ O ₃ – 2.4% Arsenic (As) – 4 Mg/Kg Cadmium <1.0 Mg/kg Calcium (As CaO)- 0.4% Chromium (as Cr) – 5.2 Mg/kg Fe ₂ O ₃ – 27.06% Lead (Pb) – <0.5 Mg/kg MgO – 0.73% Mercury (as Hg) <1.0 Mg/kg SiO ₂ – 70 % Nikel (as Ni)- 4.4 Mg/kg	We have provided 3 nos. of ash silo of 800M ³ volume each for CFBC Boiler and we have pneumatic ash handling system to control fugitive emission. Then ash is unloaded from silo into trucks and utilized for Fly ash brick manufacturing plants and low-lying area land filling etc.



PART-G

Impact of the pollution abatement measures taken for the conservation of natural resources and on the cost of production.

1. Ferro Alloys Corporation Ltd. (Power Plant) has taken adequate pollution control measures at source level, so that the operation of the plant does not have any adverse impact on natural resources and the environment.
2. High efficiency electro-static precipitators have been installed in CFBC boiler to reduce particulate emission within the permissible limit.
3. We have installed 10KLD STP for sewage water treatment and recycling the water in greenbelt development.
4. Similarly, 1000KLD Surface Runoff Treatment Plant has been installed to treat all runoff water inside the powerplant and charge chrome plant to achieve Zero Liquid Discharge.
5. To ensure cleanliness of outside public roads a Wheel washing system has been in operation to clean the wheel of vehicles.
6. Green belt has been developed inside the plant premises to reduce spread of noise and dust pollution.
7. All internal roads have been concreted to reduce the fugitive dust emission inside the plant premises.
8. In power plant, fixed and flexible water sprinkling systems have been provided at various dusts generating area such as raw material carrying conveyer, coal circuit, rotary breaker etc. and also 1 no of mist canon attached with fire tender (capacity of 3KL) has been engaged for sprinkling of water at raw material yard, ash disposal site and inside & outside road of the factory.
9. Housekeeping has been taken on top priority and dedicated manpower has been engaged on daily basis for maintaining neat & clean environment in the plant premises.
10. One Mechanical Road Sweeping Machine has been deployed for effective cleanliness of inside roads.



PART- H

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

Expenditure for Environmental Protection FY 2025-26

Sl. No.	Project Description	Amount
i)	AMC for AAQMS & CEMS & data communication	₹ 7,27,435/-
ii)	Operation & Maintenance expenditure on ESP	₹ 5,00,000/-
iii)	Energy consumption cost for ESP, CHP Dust Extraction & Dust Suppression System	₹ 42,02,515/-
iv)	Wastewater Treatment Plant Operation & Maintenance	₹ 3,31,115/-
v)	Labor Engagement for housekeeping & Plantation maintenance work	₹ 16,83,000/-
vi)	Engagement of vehicle for dust Suppression on roads	₹ 8,80,512/-
vii)	Operational & Maintenance of Road sweeping machine	₹ 8,27,913/-
viii)	Ash utilization expenses	₹ 39,13,452/-
ix)	Environment Monitoring, training & Audit	₹ 3,89,037/-
	Total Cost	134,54,979

PART – I

Any other particulars for improving the quality of the environment

Ferro Alloys Corporation Limited (Power Plant) has taken various initiatives for abatement of pollution control and environment protection measures. We have installed 10KLD STP 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 CCP & CPP plant to achieve Zero Liquid Discharge. Power Plant is continuously putting efforts into achieving 100% ash utilization through supplying to fly ash bricks plant & low-lying area development. Fly ash bricks are utilized in construction to promote circular economy. We are continuously developing greenbelts wherever open space is available to improve plant beautification as well as prevention and control of pollution.

