



NAVA LIMITED

(Formerly Nava Bharat Ventures Ltd.)

KHARAGPRASAD, NEAR MERAMANDALI RLY. STATION, DIST. : DHENKANAL - 759 121, ODISHA

Ref: NL (O)/ENV/2026-27/506

Date: 25.09.2026

To
The Member Secretary,
State Pollution Control Board, Odisha
A-118, Paribesh Bhawan,
Nilakanthanagar, Unit-VIII,
BHUBANESWAR-751 012.

**SUB: SUBMISSION OF ENVIRONMENTAL STATEMENT IN FORM V FOR THE
FINANCIAL YEAR 2025-26**

Dear Sir,

With reference to the above, we are submitting herewith Environmental Statement in the prescribed form-V for the financial year 2025-26 related to our Ferro Alloy Plant.

This is for your kind information.

Thanking you,

Yours truly,
For **NAVA LIMITED**,

(Raja Sekhara Rao V)
Vice President-Odisha Operations

Encl: as above.

Copy submitted to: The Regional Officer, State Pollution Control Board, S-3/3,
Industrial Estate, Hakimpada, Angul-759143 for Kind information.

FORM V

(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE 31ST MARCH 2026

PART- A

i)	Name and address of the owner /occupier of the industry operation or process.	Sri Nikhil Devneni, Executive Director NAVA LIMITED (Ferro Alloy Plant) (Formerly Known as Nava Bharat Ventures Ltd.) Vill: Kharagprasad, PO: Meramandali Dist: Dhenkanal -759 121 (Odisha)
ii)	Industry category Primary – (STC Code), Secondary – SIC Code).	Manufacturing Industry under 'Red-B' category
iii)	Production capacity- Units	High Carbon Ferro Chrome/Silico Manganese/Ferro Manganese/Ferro Silicon: 75,000/TPA
iv)	Year of establishment	Furnace I -June 1997, Furnace II- December 1999
v)	Date of the last environmental statement submitted	19.09.2025 (Under cover of our letter No. NL(O)/ENV/2025-26/481 Dt. 19.09.2025

PART- B

WATER AND RAW MATERIAL CONSUMPTION

1. Water Consumption m³/day (Average)

Process : 142 m³/day (Average)

Cooling : 240 m³/day (Average)

Domestic : 90 m³/day (Average)

Total : **472 m³/day**

Name of Products		Process water consumption per unit of product out put	
		During the previous financial year 2024-25	During the current financial year 2025-26
i)	Silico Manganese	2.7 M ³ /MT	3.3 M ³ /MT

2. Raw Material Consumption

*Name of raw materials		Name of Products	Consumption of raw material per unit	
			During the previous financial year 2024-25	During the current financial year 2025-26
i)	Manganese Ore	Silico Manganese	2.45MT/1 MT of SiMn	2.281MT/1 MT of SiMn
	Reductant (Coke& Coal)		1.06MT/1 MT of SiMn	1.11MT/1 MT of SiMn
	Flux (Quartz & Dolomite)		0.493MT/1 MT of SiMn	0.622MT/1 MT of SiMn
	Electricity (Inc. Aux)		4714 KWh/1 MT of SiMn	4853 KWh/1 MT of SiMn

PART- C

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

Pollution	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass / volume)	Percentage of variation from prescribed standards with reason
a) Water	No discharge to outside plant.	Not Applicable	Blow down waters is used for slag granulation
b) Air		<u>AAQ(Avg)</u> - PM₁₀ – 81.3 µg/m³ - PM_{2.5} – 45.1 µg/m³ - SO₂ - 15.6 µg/m³ - NO_x – 13.4 µg/m³	

PART- D

HAZARDOUS WASTES

As specified under Hazardous Wastes (Management, Handling & Trans boundary Movement) Rules 2016

Hazardous Wastes		Total Quantity (Kg)	
		During the previous financial year 2024-25	During the current financial year 2025-26
a)	From Process	NIL	NIL
b)	From Pollution Control facilities	Flue Gas Cleaning residue–1800MT	Flue Gas Cleaning residue–1357MT
	Used Oil	8.33 KL	0.840KL
	Waste containing oil	38 Kg	24Kg
	Discarded Containers	NIL	NIL

PART- E

SOLID WASTES

Slag:

Solid Wastes		Total Quantity (MT)	
		During the previous financial year 2024-25	During the current financial year 2025-26
a)	From Process	Slag- 45361 MT	Slag- 44231 MT
b)	From Pollution Control facilities	Nil	Nil
c)	i) Quantity recycled or re-utilized within the unit	12548 MT	15982 MT
	ii) Sold	2228 MT	18557 MT
	iii) Disposed	30585 MT	9692 MT

PART- F

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

The quantity of generation and disposal of different hazardous wastes and solid wastes are submitted above in Part D & Part E. Handling and disposal practices adopted by us are as under.

Sl No	Waste Description	Composition	Estimated generation per annum	Management's Practice to dispose the wastes.
1.	Used Oil	Form: Liquid, Opaque / translucent, Yellow Colour. Contents: Hydrocarbon, Sediments, moisture, Arsenic, Lead, Cadmium	10T/A	To collect in barrels, store under shed on impervious concrete floor and channelized through authorized recycler.
2.	Wastes containing oil	Density: 0.75 to 0.90 Flash Point: 156 ⁰ C Break down voltage: 56 kV Lead- 4.3 mg/L Arsenic- 0.3 mg/L Cadmium- 5.8 mg/L Chromium- 4.4 mg/L	2.0T/A	To collect in specified container and stored under cover shed and utilized in making of Mudgun Mass for Ferro Alloy production.
3.	Flue Gas Cleaning Residue	Form- Solid Chemical Composition: Silicon Dioxide as SiO ₂ , Calcium Oxide as CaO, Manganese Oxide as MnO, Aluminium Oxide as Al ₂ O ₃ , Magnesium Oxide as MgO, Iron (II) Oxide as FeO, Iron (III) Oxide as Fe ₂ O ₃ , Potassium Oxide as K ₂ O, Sodium Oxide as Na ₂ O, Sulphur Tri-oxide as SO ₃	2800T/A	Storage on Impervious Concrete platform followed by reuse in process.

SOLID WASTE:

Sl No	Waste Description	Composition	Estimated generation per annum	Management's Practice to dispose the wastes.
1.	Slag	Form-Solid Contents- Fe, As, Ag, Pb, Cd, Zn, Ni	130 TPD	To Recycle in Metal Recovery Plant and utilize for making fly ash brick, civil construction inside the plant, low land filling inside the plant, selling as chips for civil constructions and stored in own land.

PART- G

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

- ❖ By using Solar Water Heaters, Solar Lights, Energy Efficient Air Conditioners, CFL Lamps and LED Bulbs, Vapor Absorption Machine to control the temperature of the closed rooms etc.
- ❖ Pollution control equipment are effective and efficiently operated.
- ❖ By minimizing the auxiliary consumption.
- ❖ Cooling tower blow down water is reused for slag granulation
- ❖ Constructed STP for treatment of domestic waste water and reused in gardening and Nursery.
- ❖ Introduced E- trolley for internal transport of materials from store
- ❖ Ores are kept under covered shed/Tarpaulin.

PART- H

Additional measures / investment proposal for environmental protection abatement of pollution, prevention of pollution.

- ❖ Upgradation of Surface Runoff Treatment system by installing Tube Settler.
- ❖ Installation of CEMS in both GCP.
- ❖ More Utilization of slag for construction of road & building. Leveling of low-lying areas etc.
- ❖ Extensive Plantation & development of green belt in and around the plant area.
- ❖ Operation of High efficiency GCPs/Bag Houses attached to the Furnaces, Screen House and Dryers to control emissions far below the prescribed standards.

PART- I

Any other particulars for improving the quality of the environment.

Applicable measures as stipulated by SPCB/CPCB/MoEF & CC from time to time are being followed.

For NAVA LTD



(Raja Sekhara Rao V)

Vice President-Odisha Operations

Rear Admiral V Raja Sekhar, VSM (Retd.)

Vice President - Odisha Operations

NAVA Limited

Kharagprasad, Dhenkanal (Odisha)