

JSPL/BBL/EMD/Env. Statement/2025 - 01

25th September 2025

The Member Secretary,
State Pollution Control Board,
Paribesh Bhawan, A-118, Unit-VIII,
Nilakantha Nagar,
Bhubaneswar - 751012,
Odisha

Sub: Submission of Environmental Statement for financial year 2024-25

Dear Sir,

We are pleased to submit herewith the Environmental Statement in the prescribed format (Form-V) for the financial year ending 31st March 2025, pertaining to the Pelletisation Unit of M/s Jindal Steel & Power Ltd., Barbil, Dist. - Keonjhar, Odisha.

This is submitted for your kind information and necessary perusal.

Thanking you,

Yours faithfully,

For **Jindal Steel and Power Limited**
(Pelletisation Unit, Barbil)



(Dr.V.B.Mishra)

Head- EMD & Horticulture

Encl.: As above.

✓ CC: The Regional Officer, Odisha Pollution Control Board, At Baniapat, P.O. College Road,
Dist. Keonjhar-758001, Odisha.



Jindal Steel & Power Limited

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CIN L27105HR1979PLC009913

No.

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**S.P.C. BOARD
BHUBANESWAR**

[FORM-V]

(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING 31st MARCH 2025

PART-A

1	Name and Address of the owner/occupier of the industry, operation or process	Shri Damoder Mittal Jindal Steel Limited, AT/PO: Deojhar, PS : Joda, Dist.: Keonjhar – 758038, Odisha.
2	Industry Category Primary – (STC Code) Secondary –(SIC Code)	Primary
3	Production Capacity	Iron Ore Pellets: 10.0 MTPA Producer Gas: 18 x 4650 Nm ³ /Hr.
4	Year of Establishment	2008
5	Date of the last environmental Statement submitted	27 th September 2024

Part-B

Raw material Consumption

1. Water consumption m³/day

Process water	6078.85
Domestic	892.98

Name of the Products	Process water consumption per unit of product output (m ³ /T)	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
Iron ore pellets	0.224	0.389

2. Raw material Consumption

Name of the raw material	Name of the Products	Consumption of raw material per ton of nominal finished product)	
		During the previous financial year (2023-24)	During the current financial year (2024-25)
Iron ore fines	Iron Ore Pellets	1.087T	1.062 T
Bentonite		0.005 T	0.005 T
Limestone		0.026 T	0.030 T
Coal fines		0.012 T	0.013 T
Energy		56.98 KWh	59.86 KWh
Producer Gas		-	28.10 NM ³
Furnace oil (FO)		18.30 L	13.99 L

* Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

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

Pollutants	Name of Unit	Quantity of pollutants discharged (mass/ day)	Concentration of pollutants in discharges (mass/ volume)	Percentage of variation from prescribed standards with reasons
Water	-	Nil (as our unit is zero discharge)	Nil	Nil
Air	Dryer	--	73.74 mg/Nm ³	<100 mg/Nm ³
	ESP Outlet PP-1	--	27.70 mg/ Nm ³	<35 mg/Nm ³
	ESP Outlet PP-2	--	26.65 mg/ Nm ³	

* Treated effluent is being 100% utilized in dust suppression, plantation and horticulture.

PART-D HAZARDOUS WASTES

(As specified under Hazardous Wastes/ Management and Handling, Rule 1989 and as amended)

Hazardous wastes	Total quantity	
	During the previous financial year (2023 – 24)	During the current financial year (2024 – 25)
A. From Process: Used oil	31.06 KL	26.47 KL
B. From pollution control facilities	Nil	Nil

Part-E Solid Wastes

	Total quantity (MT)	
	During the previous financial year (2023 – 24)	During the current financial year (2024 – 25)
A. From Process	Nil	Nil
B. From pollution control facilities	Nil	Nil

*Dust collected by pollution control equipment is being re-utilized in pellet making process.

Part-F

(Please specify the characteristics (in terms of Concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.)

Name of solid wastes	Characteristics	Method of collection	Method of disposal
a. Hazardous waste Used Oil	Hydrocarbon	Collected in leak proof containers	Sold to authorized recyclers

Part-G

(Impact of pollution control measures on conservation of natural resources and consequently on the cost of production.)

Impact has been identified through Comprehensive EIA study Report already submitted to OSPCB.

Part-H

(Additional measures/investment proposal for environmental protection including abatement of Pollution)

- i. Bio digesters & Phytoid beds (DRDO Technology) have been provided for treatment of domestic wastewater in place of septic tanks.
- ii. Biogas Plant (3 TPD) has been installed for utilization of biodegradable waste being generated from plant as well as township.
- iii. Dust extraction systems such as bag filters have been provided in the coal crusher
- iv. We have installed separate electric metering arrangements with time totalizer for the running of pollution control devices.
- v. To prevent dust pollution and vehicular movement during shifting of iron ore fines from wagon tippler system via Junction House to Stockpile through conveyors system instead of trucks.
- vi. Dust from Air Pollution Control Equipments is being re-utilized in process along with raw material.
- vii. Telescoping chute is replaced with pneumatic conveyor system as it causes additional air pollution and high maintenance cost

Part-I

Miscellaneous

(Any other particulate in respect of environmental protection and abatement of pollution)

- i. Certified with Integrated Management System (QMS, EMS and OHSAS) and Energy Management System.
- ii. All the internal roads are black topped/concreted.
- iii. Road sweeper and Mobile vacuum section and Mobile water tankers are being used to control fugitive emission.
- iv. 2 nos of Continuous ambient air quality monitoring station (CAAQMS) and 01 no of CAAQM mobile van have already been installed and the real time monitored data is being transmitted through RTDAS to the OSPCB & CPCB server and being displayed at plant main gate.
- v. Green Belt has been developed in and around the plant.
- vi. Distribution of saplings & seeds to local villagers under greenbelt development project.

