FORM-V

Environmental statement for the financial year ending 31st March, 2025

Part-A

i.	Name & Address of the owner/occupier of the industry operation or process.	Sri Awadh Kishore Pandey General Manager, Lakhanpur Area, MCL. PO: Bandhbahal Dist: Jharsuguda, Odisha PIN-768211
ii.	Industry Category	Coal Washery
iii.	Production Capacity (Production in the year 2024-25)	10 MTPA (Raw coal throughput) (5364724.0 tonnes of raw coal processed in 2024-25)
iv.	Year of establishment	Commercial Operation started in 2024
v.	Date of the last environmental Statement submitted.	30 September,2024

Part-B

Water & Raw Material Consumption

Note: Average Water Consumption (kl/day) for the whole year is given. Raw material consumption is given per unit of coal produced.

1. Water Consumption (m^3/day):

	Water consumption in 2023-24	Water consumption in 2024-25
Process	483.36 m^3/day	600.96 m^3/day
Cooling	Not Applicable	Not Applicable
Domestic	Nil	Nil

Name of the product	Process water consumption per unit of product output (m^3/ tonne) During the year 2023-24	Process water consumption per unit of product output (m^3/ tonne) During the year 2024-25
Clean Coal	0.06 m^3/tonne	0.04 m^3/tonne

2. Raw Material Consumption (per tonne of coal)

SL NO	Name of Raw Material	Name of the Product	Raw Materials consumption per unit production output	
			During the year 2023-24	During the year 2024-25
1	Raw Coal	Clean Coal	1.44 MT of Raw coal consumed for 1 MT of Clean Coal	1.24 MT of Raw coal consumed for production of 1 MT of Clean Coal
2	Magnetite		0.5 kg/tonne	0.2 kg/tonne

Part-C

Pollution Discharged to Environment/Unit of Output

Parameter as specified in the 'Consent' issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage variation from prescribed standards with reasons.
Water			
	Results		
pH	6.63		The Washery uses zero discharge closed circuit.
O & G (mg/l)	< 1		
TSS (mg/l)	91		
COD (mg/l)	180		
BOD (mg/l) (3 days 27° C)	26		
Phenolics			
Air			
	Results	**Limit**	
PM $_{2.5}$ (µg/m^3)	36.2	60	Within prescribed limits
PM $_{10}$ (µg/m^3)	69.5	100	
SO_2 (µg/m^3)	9.8	80	
NO_X (µg/m^3)	15.2	80	

Part-D

Hazardous Wastes

As specified under Hazardous Wastes (Management & Handling) Rules, 1989

Hazardous Waste	Total quantity	
	During the last financial year (2023-24)	During the current financial year (2024-25)
(a) From Process	Nil	Nil
(b) From Pollution control facilities	Nil	Nil

Part-E

Solid Wastes

SL. No	Particulars	Total quantity During the current financial year (2024-25)
1.	From process a. Tailings b. Scrap materials	a. 10,51,769 Metric Tons (Rejects) b. Nil
2.	Quantity recycled or reutilized within the unit/sold/ disposed	7449.54 Metric Tons (Rejects Sold)

Part-F

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

1. Hazardous Wastes:

Name of Hazardous Wastes	Quantity generated in the year 2024-25	Disposal Practices
Used Oil	Nil	Nil

2. Solid Waste:

SL. No	Solid Waste	Quantity generated in the year 2024-25	Disposal Practices
1.	Tailings	10,51,769 Metric Tons (Rejects)	7449.54 Metric Tons (Rejects Sold)
2.	Steel Scrap and other materials	Nil	Nil

Part-G

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

Washing technology of IB Valley Coal Washery (10 MTPA) is based on Heavy Media Separation (HM Cyclone) and the washing circuit is a closed circuit with zero discharge. Raw coal will be transported by covered Belt Conveyors and washed coal produced in the washery will be transported to SILO by belt conveyors.

Details of Existing Air, Water and Noise Pollution Control Measures

I. **Air Pollution Control Measures** –

a. Bag Filters have been installed in each of the 4 crusher houses to reduce particulate matter content.

b. Sprinklers have been installed at strategic locations for dust suppression.

c. Plantation of trees has been done in line with the terms and conditions of EC document.

II. **Water Pollution Control Measures** –

a. The designed washing circuit is a closed circuit with zero discharge.
b. Settling ponds have been constructed for settling of fine coal particles so that the water may be used again in washery.
c. Garland drains have been constructed for drainage of surface runoff from the washery.

III. **Noise Pollution Control Measures** –

a. Rubber liners have been used in all chutes to reduce noise.
b. Noise is being monitored at crusher and vibrating screen house on regular basis.

Part-H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution – The proposed SILO for washed coal will be made operational to avoid dust generation during washed coal transportation.

Details of Additional Proposed Measures for Air, Water & Noise Pollution Controls

Part-I

Any other particulars for improving the quality of the environment – *All the specific terms and* conditions of the EC are being complied with.

6/9/25

Engineer -In Charge
Ib Valley Coal Washery