

FORM-V

Environmental statement for the finance year ending 31st March, 2022

Part-A

I	Name & Address of the owner/occupier of the industry operation or process	Sri S K Jha General Manager, Lakhanpur Area Mahanadi Coalfields Limited. Odisha: 768211.
II	Industry Category	Coal Washery
III	Production Capacity	10MTPA
IV	Year of establishment	Under Construction
V	Date of the last environmental Statement submitted.	23.09.2021

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 (m³/day)

	Water consumption in 2021-22
Process	Nil
Cooling	Not Applicable
Domestic	Nil

Name of the product	Process water consumption per unit of product output (m ³ / tonne)
	During the year 2021-22
Clean Coal	Nil

2. Raw Material Consumption (per tonne of coal)

	Name of Raw Material	Name of the Product	Raw Materials consumption per unit production output
			During the year 2021-22
1.	Raw Coal	Clean Coal	Nil
2.	Magnetite		Nil

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	Nil		NA
O & G (mg/l)	Nil		
TSS(mg/l)	Nil		
COD(mg/l)	Nil		
BOD(mg/l) (3 days 27° C)	Nil		
Phenolics	Nil		
AIR			
	Results	Limit	NA.
PM _{2.5} (µg/m ³)	Nil	60	
PM ₁₀ (µg/m ³)	Nil	100	
SO ₂ (µg/m ³)	Nil	80	
NO _x (µg/m ³)	Nil	80	

Part-D

Hazardous Wastes

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

Hazardous Waste	Total quantity	
	During the current financial year (2020-21)	During the current financial year (2021-22)
(a) From process	NIL	NIL
(b) From pollution control facilities	NIL	NIL

Part-E

Solid Wastes

S.No	Particulars	Total quantity
		During the current financial year (2021-22)
1.	From process a. Tailings b. Scrap materials	Nil
2.	Quantity recycled or reutilized within the unit/sold/ disposed	Nil

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 2021-22	Disposal Practices
Used Oil	Nil	Nil

2. Solid Waste:

S.No	Solid Waste	Quantity generated in the year 2021-22	Disposal Practices
1.	Tailings	Nil	Nil
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 from washery will be transported to SILO by belt conveyors.

Part-H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution, plantation is done at outside the premises of Washery.

Part-I

Any other particulars for improving the quality of the environment.


2/9/22
Engineer P.H. G. S. S. OFFICE
IB Valley Coal Washery
Lakhanpur Area, MCL


2/9/22