

# **ENVIRONMENTAL STATEMENT**

**(Form – V)**

*Under Rule – 14 of Environment Protection Rules, 1986  
and Amendment, 1993  
of*

## **IB Washery**

**For the year 2022-23**



# **MCL**

**Mahanadi Coalfields Ltd.**

**Post: Jagruti Vihar, Burla,**

**Dist: Sambalpur, Orissa-768020**

# FORM-V

Environmental statement for the financial year ending 31<sup>st</sup> March, 2023

## Part-A

- i. Name & Address of the owner/occupier of the industry operation or process. Sri Satya Bhusan Barik.  
Project Officer Belpahar OCM.  
PO: Bandhbahal Colony  
Dist: Jharsuguda, Odisha  
PIN-768211
- ii. Industry Category : Coal Washery
- iii. Production Capacity : 10 MTPA.
- iv. Year of establishment : Under construction
- v. Date of the last environmental Statement submitted. : 06<sup>th</sup> September, 2022

## 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<sup>3</sup>/day):

	<b>Water consumption in 2022-23</b>
Process	Nil
Cooling	Not Applicable
Domestic	Nil

<b>Name of the product</b>	<b>Process water consumption per unit of product output (m<sup>3</sup>/ tonne)</b>
	<b>During the year 2022-23</b>
Clean Coal	Nil

#### 2. Raw Material Consumption (per tonne of coal)

	<b>Name of Raw Material</b>	<b>Name of the Product</b>	<b>Raw Materials consumption per unit production output</b>
			<b>During the year 2022-23</b>
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.
<b>Water</b>			
	<b>Results</b>		
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	
<b>AIR</b>			
	<b>Results</b>	<b>Limit</b>	
PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	Nil	60	NA.
PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	Nil	100	
SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	Nil	80	
NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	Nil	80	

## Part-D

### Hazardous Wastes

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

Hazardous Waste	Total quantity	
	During the current financial year (2021-22)	During the current financial year (2022-23)
(a) <u>From process</u>	NA	Nil
(b) <u>From pollution control facilities</u>	NA	Nil

## Part-E Solid Wastes

S.No	Particulars	Total quantity
		During the current financial year (2022-23)
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 2022-23	Disposal Practices
Used Oil	Nil	Nil

### 2. Solid Waste

S.No	Solid Waste	Quantity generated in the year 2022-23	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.**

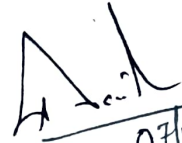
Washing technology of IB Valley Coal Washery (10 MTPA) is based on Heavy Media Separation (HM Cyclone) and the washing circuit is a closed circuit with zero discharge. Raw coal will be transported by covered Belt Conveyors and washed coal from washery will be transported to SILO by belt conveyors.

## Part-H

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

## Part-I

Any other particulars for improving the quality of the environment.

  
07/11/23

**Engineer - In Charge**  
**IB Valley Coal Washery**  
10 MTPA, Ib Valley Coal Washery  
MCL Lakhanpur Area



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