



# ACB (INDIA) LIMITED

Village - Renki, P.O. - Chainpur, Tehsil - Pali  
Distt- Korba (C.G.) Pin 495446 India, Tel. & Fax 91+ 7816256801

Ref: ACBIL/ENV-STATEMENT/2022-23/ 78

Dated: 05.08.2023

To

**The Member Secretary,**  
Chhattisgarh Environment Conservation Board,  
Paryavas Bhavan, North Block, Sector-19,  
Atal Nagar, District - Raipur- 492002  
Chhattisgarh.

**Sub:-** ACB (India) Limited, 1X60 MW Thermal Power Plant & 1X2.5 Coal Washery, Village-Renki, Tehsil-Pali, District-Korba, (C.G.):- **Submission of Environmental Statement (Form-V) for the financial year 2022-23- reg.**

**Ref.:-** Consent to Operate Letter no. 908/TS/CECB/2022 (Water) Naya Raipur Atal Nagar Dated – 10/05/2022 and 909/TS/CECB/2022 (Air) Naya Raipur Atal Nagar Raipur, dated-10/05/2022.

Dear Sir

We hereby submit the Form-V duly filled with regard to the Environmental Statement for our ACB (India) Limited, 1X60 MW Thermal Power Plant & 1X2.5 Coal Washery, Village-Renki, Tehsil-Pali, District-Korba, (C.G). (Financial year 2022-23).

The necessary annexures are enclosed along with Form V, Kindly acknowledge on the receipt of the same.

Thanking You,

Yours faithfully,

For ACB (India) Limited.

Authorized Signatory

Encl: As Above.



Copy to: Regional Officer, Chhattisgarh Environment Conservation Board, Korba, (C.G.).





**ANNEXURE-XII (Refer page - 25)**  
**ENVIRONMENTAL STATEMENT FORM -V**  
**(See rule 14)**

**Environmental Statement for the financial year ending with 31<sup>st</sup> March 2023**

**PART-A**

1. Name and address of the Owner/Occupier of the industry Operational or Process. : **Shri. Kamal Kant  
Group Head – Power  
ACB (India)Limited  
7<sup>th</sup> Floor Ambience Mall, Ambience Island,  
NH-C8, Gurgaon-122010, Haryana.**
2. Industry Category : **Red**
3. Production Capacity : **1X60 MW TPP  
1X2.5 MTPA Coal Washery**
4. Year of Establishment : **2011**
5. Date of last Environmental Statement submitted. : **08.09.2022**

**PART-B**

**Water and Raw Material Consumption:**

**I. Water Consumption in m<sup>3</sup>/d**

- Process : **Nil**  
Cooling : **Nil**  
Domestic : **Nil**

Name of Products	Process water consumption per unit of products	
	During the previous financial Year (2021-22)	During the Current financial Year (2022-23)
<b>Power Generation</b>	<b>Nil</b>	<b>Nil</b>

**II. Raw Material Consumption**

Name of Raw Materials*	Consumption of raw materials per unit of output	
	During the Previous financial year (2021-22)	During the Current financial year (2022-23)
<b>Washery Reject Coal</b>	<b>Nil</b>	<b>Nil</b>
<b>LDO</b>	<b>Nil</b>	<b>Nil</b>
	<b>Specific consumption</b>	
<b>Washery Reject Coal</b>	<b>Nil</b>	<b>Nil</b>
<b>LDO</b>	<b>Nil</b>	<b>Nil</b>

Industry may use codes if disclosing details of raw material 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		Quantity of pollutants Discharged (mass/day)	Concentration of Pollutants Discharged (mass/volume)	Percentage of variation from Prescribed standards reasons	
Water		Plant is operating on Zero Discharge Concept. Effluent Treatment Plant for the treatment of industrial effluent and a Sewage Treatment Plant for the domestic sewage have been installed and operations.		All parameters are within limits	
Air	Stack Emission	SPM	Nil	Nil	All parameters are within limits
		SO <sub>2</sub>	Nil	Nil	
		NO <sub>2</sub>	Nil	Nil	
		CO	Nil	Nil	
	Ambient Air	PM 10	Nil	Nil	All parameters are within limits
		PM 2.5	Nil	Nil	
		SO <sub>2</sub>	Nil	Nil	
		NO <sub>2</sub>	Nil	Nil	
		CO	Nil		

**PART-D**

**Hazardous Waste:**

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

Hazardous Wastes	Total Quantity(Kg)	
	During the previous financial year (2021-2022)	During the current financial year(2022-2023)
Form Process(Used/Spent Oil)	NIL	NIL
Form Pollution Control Facility	NIL	NIL



**Environmental Statement Financial Year 2022-2023**  
M/s. ACB (India) Limited, 1X60 MW Thermal Power Plant & 1X2.5 Coal Washery,  
Village-Renki, Tehsil-Pali, District-Korba, (C.G).

**PART-E**

**Solid Waste:**

Solid Wastes		Total Quantity(MT)	
		During the previous financial year(2021-2022)	During the current financial year (2022-2023)
a.	From Process	NIL	NIL
b.	Form Pollution Control Facility		
c. Quantity recycled of re-utilized within the unit.			
I	Agriculture.	Nil	Nil
II	Cement.	Nil	Nil
III	Bricks Making	Nil	Nil
IV	Land Filling	Nil	Nil
V	Others	Nil	Nil
VI	Road/Highway	Nil	Nil
VII	Disposed in Ash Dyke.	Nil	Nil

**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 waste.

**Hazardous Waste:** Hazardous Waste generated from the process includes used oil from machineries /equipment as per Authorization from the Chhattisgarh Environment Conservation Board.

**Solid Waste:** As per Fly Ash Notification 3<sup>rd</sup> November 2009 and amendment Fly Ash is used in construction of roads/Highways.

**PART-G**

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

1. High efficiency Electrostatic Precipitators (ESPs) and bag filter installed to control of dust emission in flue gas.
2. Our plant is designed and operational on zero discharge concepts.
3. Green belt has been developed in and around the plant periphery to control the dispersal of dust particles and attenuate the noise generated during the process.
4. Good housekeeping is being maintained in and around the power plant.





### PART-H

#### **Additional measures/investment proposal for environmental protection including abatement of pollution.**

1. Effluent Treatment Plant (ETP) with a capacity **40m<sup>3</sup>/hr** and Sewage Treatment Plant (STP) with a capacity of **5m<sup>3</sup>/hr** are being operated efficiently and meet the standards prescribed by the board and the treated water is being used for plantation, dust separation/water sprinkling, etc.
2. Cost spent towards housekeeping in factory premises in order to prevent fugitive emission was **Rs. 18.00 Lakhs**.
3. Cost towards ETP/STP maintenance was **Rs.75.00 Lakhs/Annum**
4. Cost spent towards development and maintenance of Greenbelt development in and around the factory premises was **Rs. 19162.5 Lakhs**.
5. Plant is regularly monitoring ambient air, stack emission, noise level, water quality and soil quality in and around the plant premises. All the emission and discharges are meeting the permissible limits prescribed by MoEF/CPCB/CECB. Green belt has been developed in and around the plant periphery.

### PART-I

#### **MISCELLANEOUS:**

#### **Any other particulars in respect of environmental protection and abatement of pollution.**

##### **1. List of Pollution Control equipment are as follows:**

S. No.	Plant Activities	Pollution Control Measure
1	Coal Yard	Dry Fog system/Sprinklers
2	Coal Handling Plants/System	Dust extraction system/Dry fog system
3	Coal Handling Area	Dust extraction system/Dry fog system
4	Coal Transfer Points	Dust extraction system/Dry fog system
5	Coal bunkers/ Secondary crusher house	Dust extraction system
6	Coal transfer house	Dust extraction system
7	Boiler (Dust Control)	ESP/Bag filters
8	Boiler(Emission Dispersion)	114vMeter
9	DM Plant	Neutralization pit
10	Domestic Effluent	Effluent treatment plant
11	Fly Ash Storage Silos	Vent Bag filter
12	Fly Ash/Bottom Ash Disposal	HCSD
13	Vehicle Movement	Sprinklers/Tarpaulin covering

##### **2. Waste Management**

**Solid Waste:** Ash is used in construction of NHAI (National Highways Authority of India) as per Fly Ash Notification 3<sup>rd</sup> November 2009 and amendment from time to time, issued by Ministry of Environment & Forest and Climate Change (MoEF & CC).

**Domestic Waste:** Domestic waste water generated at site is being treated by STP and re-used for green belt development.



**Environmental Statement Financial Year 2022-2023**  
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**MISCELLANEOUS**

**Any other particular is respect of environment protection and abatement of pollution.**

1. Good housekeeping is being maintained in and around the power plant; dedicated team is deployed for taking care of upkeep of housekeeping and maintaining cleanliness.
2. To create awareness among the employees by imparting training on environment and pollution control.
3. Selection of best environmental practices and its implementation at the ACB (India) Limited.
4. Regular cleaning of roads and water sprinkling to minimize fugitive emission.

