



GOA STATE POLLUTION CONTROL BOARD

FORM V

(See Rule 14)

Environmental Statement for the financial year ending on 31st March on or before 30th of September every year.

PART A

- (i) Name and address of the owner/ occupier of the industry operation or process : Vedanta Ltd, Met coke Division Ii and Waste heat recovery power plant I
- (ii) Industry category Primary-(STC Code) : RED, Coke making , liquefaction, coal tar distillation or fuel gas making
Secondary-(STC Code)
- (iii) Production capacity : Mili Liter

Production Name	Production Capacity	Production Unit
Generation of Power	33	MegaWatt Hour
Metallurgical Coke	3 22,000	Metric Tonnes/Day

- (iv) Year of establishment : April 1995
- (v) Date of the last environment statement submitted : 18/09/2020

PART B

1. Water consumption m³/ d

Process : Met Coke Division-Process Nil, Power Plant-55.2 m³/day

Cooling : Met coke Division-610m³/day,Boiler feed-1968m³/day

Domestic : Met coke Divsion-42.4, Power Plant-1.3m³/day

Name of products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
Metallurgical Coke	For Coke Quenching 0.95 m ³ / t Coke	For Coke Quenching 1.014 m ³ / t Coke
Power from waste heat of COFG)	0.0828 m ³ water for 1 MW hr Power	0.1077 m ³ water for 1MW hr Power

2. Raw material consumption

Name of raw materials	Name of products	Consumption of raw material per unit	
		During the previous financial year	During the current financial year
Coking Coal	Metallurgical Coke	1314.9Kg/T of product	1318 Kg/T of product

Waste heat of Coke Oven flue gas and blast furnace gas	Power from waste heat of COFG & BFG of Vedanta units PID & MCD	3.921Mill Kcal for 1MWh generation	3.873 Mill Kcal for 1MWh generation
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*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

PART C

Pollution discharged to environment/ unit of output.

Pollution	Quantity of pollutants discharged(mass/day)	Concentration of pollutants in discharges(mass/volume)	Percentage of variation from prescribed standards with reasons
Water	MCD1-Process water generated is recycled and reused in process. No water is discharged outside the plant.		
Water	PP1-Avg. Cooling Tower Blow down is 97.717 m3/day	NIL	NIL
Air	MCD1-Monitoring carried out as per Consent conditions and is within permissible limit, and results submitted to GSPCB		
Air	PP1-Monitoring is carried out as per consent condition and results are within limit	NIL	NIL

Name of Pollutants : .

PART D

Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(a) From process	Used Oil - Qty Generated -1.7MT ,Cotton waste – Qty Generated-0.553 MT ,Pain tins Generated Qty – 0.4657 MT	Used Oil -Qty Generated – 0.6MT ,Cotton waste Generated Qty -0.160 MT ,Pain tins Generated Qty - 0.482 MT
(b) From pollution control facilities	NA	NA

PART E

Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	Nil	Nil
(b) From pollution control facility	Nil	Nil
(c)(1) Quantity recycled or re-utilised within the unit	Nil	Nil
(2) Sold		
(3) Disposed		

PART F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes. Used oil is stored in empty oil barrels in an earmarked area/designated place and same is sent for disposal to authorized vendor. Cotton waste is disposed within plant at met coke Division for incineration as per consent condition. Paint Tins are stored in the designated place and same is disposed through authorized vendor.

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

1. Installed De-dusting system for Coke screening plant 1 for effective suction of dust at source level
2. The water used for coke quenching is recycled & recirculated, after settling in the tanks.
3. Ambient Air Quality monitoring station installed at different places, monitoring is carried out twice a week for all 12 parameters as per NAAQS and reports are submitted to Pollution Control Board on monthly basis.
4. Dry fog systems installed for dust suppression in the coke handling area which has reduced the dust levels.
5. Roads are sprayed to avoid fugitive dust emissions.
6. Roads are asphalted to reduce the fugitive emissions during vehicle movements.

Plantation drive carried out in monsoon season

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution. Up gradation of STP to achieve BOD less than 10 mg/l as per new standard and re- using the treated water for process

PART I

Any other particulars for improving the quality of the environment .

Remarks : .