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) Secondary-(STC Code)	:	RED, Coke making , liquefaction, coal tar distillation or fuel gas making
(iii)	Production capacity	:	Tonnes

Production Name	Production Capacity	Production Unit
Met Coke Division	322000	Metric Tonnes/Year
Generation of Power	33MW	Megawatt

(iv)	Year of establishment	:	2020
(v)	Date of the last environment statement submitted	:	30/09/2019

PART B

1. Water consumption m3/ d

Process : Met Coke Division-Process Nil, Power Plant-44.49m3/day

Cooling : Met coke Division-581.2m3/day,Boiler feed-1983.06m3/day

Domestic : Met coke Divsion-135.33, Power Plant-1.92m3/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 0.64m3/t Coke	For Coke quenching 0.95m3/t Coke
Power from waste Heat of COFG	0.075 m3 water for 1 Mwhr Power	0.0828 m3 Water for 1MWhr 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	1323 Kg/T of Product	1314.9Kg/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	3.973 Mill Kcal for 1MWh generation	3.921 Mill Kcal generation

*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			
Water	Metallurgical Coke-No effluent is discharged out	NIL	NIL
Water	PP1-Avg. Cooling Tower Blow down is 153.03 m3/day		NIL
Air			
Air	Met coke Division - Flue Gas is used in waste Heat recovery power plant	NIL	NIL
Air	PP1-Monitoring is carried out as per consent condition an results are within limit	NIL	NIL

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	NA	NA
(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	Nil	Nil
(3) Disposed	Nil	Nil

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 Form-4 submitted to gspcb on 10/06/2020.

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production The water used for coke quenching is recycled & recirculated back for coke quenching.
The Flue gas generated from Coke ovens are utilized for generating power . This helps in pollution prevention and conservation of natural resources .

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution Dry fog system installed for dust suppression in the coke quenching area which reduced the dust levels.
Water are sprayed on roads to avoid fugitive dust emission. .

PART I

Any other particulars for improving the quality of the environment .