



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 : N L Vhatte
- (ii) Industry category Primary-(STC Code) : RED, Coke making , liquefaction, coal tar distillation or fuel gas making
Secondary-(STC Code)
- (iii) Production capacity : Tonnes

Production Name	Production Capacity	Production Unit
Generation of Power	35 MW	Megawatt
Met Coke Division	300000	Metric Tonnes/Year

- (iv) Year of establishment : 1900
- (v) Date of the last environment statement submitted : 30/09/2019

PART B

1. Water consumption m³/ d

Process : WHRPP2-122.21m³/day, MetCoke Plant- NA

Cooling : WHRPP2-1671.04 m³/day, Met coke Plant-586.921m³/day

Domestic : WHRPP2-2m³/day, Met Coke Plant -6.06 m³/day

Name of products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
Power from Waste Heat of COFG & BFG	0.211 m ³ for 1 MWh power Generation	0.231 m ³ for 1 MWh power Generation
Metallurgical Coke	for coke quenching 0.67m ³ /t Coke	For Coke quenching 1 m ³ /t Coke

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	1324.7 Kg/T of Product	1329.2 Kg/T of Product

Waste Heat of Coke Oven flue Gas & Blast furnance Gas	Power	3.391 Mill Kcal for 1MWh generation	3.627 Mil kcal for 1Mwh 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/volu me)	Percentage of variation from prescribed standards with reasons
Water	Met coke Division - No effluents discharged out ,	NIL	No Variation
Water	PP2-141.29 M3/day of avg cooling tower Blow Down	NIL	Well within Limit
Air	Met Coke Division- Nil as coke Flue gas let out is used in power plant	NIL	NA
Air	WHRPP2- Air Emission is Within permissible 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	N.A	N.A
(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 quenching is recycled & recirculated after settling , the water is reused for quenching. This helps in conservation of water .

The waste heat from coke ovens is used to generate power , this helps in prevention of pollution 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 and water is sprayed on roads to avoid Fugitive emissions.

Wind shields have been installed along the coke yard .

PART I

Any other particulars for improving the quality of the environment .