



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. Pig iron Plant
- (ii) Industry category Primary-(STC Code) : RED, Iron & Steel (involving processing from ore/ integrated steel plants) and or Secondary-(STC Code) : Sponge Iron units
- (iii) Production capacity : 2,92,000 T / Year Pig Iron Tonnes

Production Name	Production Capacity	Production Unit
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- (iv) Year of establishment : 2020
- (v) Date of the last environment statement submitted : 30/09/2019

PART B

- 1. Water consumption m³/ d
- Process : 124.5 m³ / Day
- Cooling : 1865.995 m³ / Day
- Domestic : 95.26 m³ / Day

Name of products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
Pig Iron	Process Water – 0.153 m ³ /t Pig Iron	Process Water – 0.1708m ³ /t Pig Iron
Pig Iron	Cooling Water - 2.30 m ³ /t of Pig Iron	Cooling Water -2.56 m ³ /t of Pig Iron

- 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
Coke	Pig Iron	626.97Kg/T of product	607Kg/T of product
Iron Ore	Pig Iron	1045.9Kg/T of product	997 Kg/T of product
Limestone	Pig Iron	50.57Kg/T of product	62Kg/T of product
Dolomite	Pig Iron	69.88Kg/T of product	89Kg/T of product

Sinter	Pig Iron	607.14Kg/T of product	592Kg/T of product
Quartzite	Pig Iron	38.60Kg/T of product	54Kg/ T of product
Mn	Pig Iron	Nil	2 Kg /T of Product
Pulverized coal	Pig Iron	38.99 Kg/T of product	46Kg/T of product

*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	No effluents is discharged from PID	No effluents is discharged from PID	No Variation
Air	Monitoring carried out as per Consent conditions and is within permissible limit, and results submitted to GSPCB	Monitoring carried out as per Consent conditions and is within permissible limit, and results submitted to GSPCB	No Variation

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	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	92995930	94,860000
(b) From pollution control facility	Flue Dust-7745000, Slurry -Nil	Flue Dust-5774000, slurry-2,096000
(c)(1) Quantity recycled or re-utilised within the unit	Sent to sinter Plant as raw material	Sent to sinter Plant as raw material
(2) Sold	104692700	83923190
(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 Hazardous Waste:

Occupier is authorized to handle used oil/Spent oil (Category 5.1) up to 13.5 MT/year; Oil soaked cotton rags/wastes (Category 5.2) up to 5 MT/year, and used discarded paint tins (category 33.3) 15 MT/annum. Annual returns submitted on 10/06/2020

Sludge: Gas cleaning Plant Water is treated in Settling Pond & Thickener. The Settled solids in thickener & settling pond are removed, dried and sent to Sinter Plant for use as raw material

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production Process water is recycled and reused in a closed loop

Rain guns are also installed in raw material yard to prevent the fugitive dust

Use of PCI help to conserve scarce coking coal & consequently reduce GHG emissions. .

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution Installation of LDC & Bag House System for Blast Furnace .

100mtr Windshield have been installed all along the boundary. .

PART I

Any other particulars for improving the quality of the environment .