



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 : March 1992
- (v) Date of the last environment statement submitted : 28/08/2020

PART B

1. Water consumption m³/ d
Process : 116.421 m³ / Day
Cooling : 1930.3 m³ / Day
Domestic : 93.12 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 – 0.1708m ³ /t Pig Iron	Process water-0.175
Pig Iron	Cooling Water -2.56 m ³ /t of Pig Iron	Cooling water- 2.906

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	607Kg/T of product	625.47 Kg/T of product
Iron Ore	Pig Iron	997 Kg/T of product	1061.17 Kg/T of product

Limestone	Pig Iron	62Kg/T of product	72.96 Kg/T of product
Dolomite	Pig Iron	89Kg/T of product	91.90 Kg/T of product
Sinter	Pig Iron	592Kg/T of product	609.94 Kg/T of product
quartzite	Pig Iron	54Kg/ T of product	21.52 Kg/T of product
Mn	Pig Iron	2 Kg /T of Product	0.69 Kg/T of product
Pulverized coal	Pig Iron	46Kg/T of product	37.39 Kg/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	Process water generated is recycled and reused in process. No water is discharged out side the plant.	NIL	NIL
Air	Monitoring carried out as per Consent conditions and is within permissible limit, and results submitted to GSPCB	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 generated Qty -0.0 MT,Qty of cotton waste residue generated -0.743 MT ,Paint Tins Generated Qty - 2.41 MT	Qty of used oil generated - 1.76 MT,Qty of cotton waste residue generated - 0.514 MT,Generated- 2.1216 MT
(b) From pollution control facilities	NIL	NIL

PART E

Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	94,860MT	93,674.800
(b) From pollution control facility	Flue Dust-5774 MT, Slurry- 2,096 MT	Flue Dust-3576.830, Slurry-1924.025
(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	Sold (slag)-83923.19 MT	Sold slag - 93313.770 MT
(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. 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. 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 • Process water is recycled and reused in a closed loop.
Installation of Bag House at BF2 for effective suction of dust at the generation source

Rain guns are operated in raw material yard to prevent the fugitive dust during loading & unloading of material.

Plantation is carried out during Monsoon season

BF2 bag house system has been installed for Blast Furnace -2

Dry fog systems is operated for dust suppression in the coke handling area, which reduced the dust levels.

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution Installation of wind shield

Upgradation of STP to achieve BOD less than 10 mg/l

PART I

Any other particulars for improving the quality of the environment .

Remarks : .