



## 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 : G R Arun Kumar
- (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 : 540000 tonnes /year Tonnes

Production Name	Production Capacity	Production Unit
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- (iv) Year of establishment : 2012
- (v) Date of the last environment statement submitted : 30/09/2019

#### PART B

1. Water consumption m<sup>3</sup>/ d

Process : NA

Cooling : 2498.20m<sup>3</sup>/day

Domestic : 89.5m<sup>3</sup>/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 -NA	Process Water- NA
Pig Iron	Cooling water -2.239m <sup>3</sup> /ton	Cooling water -2.194m <sup>3</sup> /t

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
Metallurgical Coke	Pig Iron	563.25Kg/Tonnes of Product	509 Kg/Tonnes of Product
Lumpy High Grade Ore	Pig Iron	366.96 Kg/THM of Product	351Kg/THM of product
Lime stone	Pig Iron	4.74Kg/THM of Product	7Kg/THM of product

Dolomite	Pig iron	36.38Kg/THM of Product	45Kg/THM of product
Manganese Ore	Pig Iron	0Kg/T of product	0Kg/T of product
Siliceous Ore/Quartz	Pig Iron	10.57Kg/THM of Product	0kg/THM of Product
sinter	Pig Iron	1382.15Kg/THM of Product	1387Kg/THM of product
Pulverized Coal	Pig Iron	83.68Kg/THM of product	111Kg/THM of product
Ti-Fe Ore	Sinter	0.51Kg/THM of Product	0Kg/THM of product
High Grade Low Mn Iron Ore Fines	Sinter	19.66 Kg/T of Product	245 Kg/T of Product
Low Grade Iron Ore Fines	Sinter	1108.315 Kg/T of product	698Kg/T of product
Coke Breeze	Sinter	57.93Kg/T of product	56Kg/T of product
Limestone	Sinter	95.58Kg/T of Product	82Kg/T of product
Dolomite	Sinter	52.98Kg/T of Product	52Kg/T of Product
Limestone & Dolomite Fines	Sinter	7.25Kg/T of Product	1kg/T of Product
Pig Iron 10/-50 mm Goli & -10mm Goli	Sinter	21.25Kg/T of Product	16 Kg/T of Product
Quick Lime	Sinter	24.47 Kg/T of Product	27Kg/T of Product
Sinter Dust & Sinter Fines (-5mm)	Sinter	11.52 Kg/T of Product	21Kg/T of Product
Flue Dust from Blast Furnace	sinter	29 Kg/T of product	18Kg/T of Product
Mill Scale	sinter	4.69 Kg/T of product	10Kg/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.

<b>Pollution</b>	<b>Quantity of pollutants discharged(mass/day)</b>	<b>Concentration of pollutants in discharges(mass/volume)</b>	<b>Percentage of variation from prescribed standards with reasons</b>
<b>Water</b>	<b>No effluent is generated, During monsoon only surface runoff water is discharge out bu maintaining TSS level</b>		

<b>Air</b>	<b>Monitoring carried out as per Consent conditions and is within permissible limit, and results submitted to GSPCB</b>		
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**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	174156760 Kg	188860000 Kg
(b) From pollution control facility	Flue Dust-23359.87, Slurry -Nil	Flue Dust-30264, slurry-Nil
(c)(1) Quantity recycled or re-utilised within the unit	Reused in Sinter Plant	Reused in Sinter Plant 33561 MT
(2) Sold	232429890 Kg	127318.3 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 Annual Returns in Form 4 submitted to GSPCB on 10.06.2020.

The Dust is collected and used as raw material to produce sinter at Sinter Plant. Slurry obtained from PCM is dried and used in sinter .

**PART G**

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production Dry GAS Cleaning plant has helped in reducing water consumption

The Dust collected from Bag House/Dedusting unit is used as raw material in sinter plant .

**PART H**

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution Rain Guns in raw material & Dispatch yard to prevent the fugitive dust.

Windshields have been set up at the dispatch yard & raw material along the boundary wall. .

**PART I**

Any other particulars for improving the quality of the environment .

