

## ANNEXURE

ENVIRONMENTAL STATEMENT FORM-V  
(See rule 14)Environmental Statement for the financial year ending with 31<sup>st</sup> March

## PART-A

Name and address of the owner/: Shivam Iron & Steel Co. Ltd  
occupier of the industry

operation or process.

- i. Industry category Primary-(STC Code) Secondary- (STC Code)
- ii. Production category - Units. : Steel
- iii. Year of establishment : 2014
- iv. Date of the last environmental statement submitted: April 2021

## PART -B

Water and Raw Material Consumption:

- i. Water consumption in m<sup>3</sup>/d

Process : 0

Cooling : 57

Domestic : 3

Name of Products	Process water consumption per unit of products	
	During the previous financial year 2020-2021	During the current financial Year
1. Ferro-manganese & Silico-manganese	1.53 m <sup>3</sup> /T	1.529 m <sup>3</sup> /T

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ii. *Raw material consumption*

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
Chromite Manganese Quartzite Coke	Ferro manganese Silico Manganese	785000 T	53100 T

\* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

**PART-C**

**Pollution discharged to environment/unit of output**  
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume )	Percentage variation prescribed standards reasons.	of from with
(a) Water	0	0	0	
(b) Air	PM 8.22 g/d, SO <sub>2</sub> 10.79 g/d NO <sub>x</sub> 5.29 g/d			

**PART-D**

**HAZARDOUS WASTES**

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
1. From Process	0	0
2. From Pollution Control Facilities	0	0

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**PART - E**

**SOLID WASTES:**

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
a. From process	20950000	1396666
b. From Pollution Control Facility	630000	420000
c. Quantity recycled or re-utilized within the unit.	3950000	2633333

**PART - F**

*Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.*

*There is no Hazardous wastes generated from the process, solid waste generated is silico-manganese slag which after undergoing leachate analysis is disposed as construction material and landfill material after taking consent from the local authority.*

**PART-G**

*Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.*

*The solid waste of ferro-manganese is used as a raw material for silico manganese.*

*Pollution control measures like following zero water discharge norms has preserved the natural water bodies being polluted.*

*Green belt development has reduced dust dispersion.*

*Paving of internal road has also reduced fugitive dust dispersion*

*Regular water sprinkling has also reduced dust formation.*

**PART - H**

*Additional measures/investment proposal for environmental protection including abatement of pollution.*

**PART -I**

**MISCELLANEOUS:**

*Any other particulars in respect of environmental protection and abatement of pollution.*

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