

## FORM - V

(See rule 14)

Environmental Statement for the financial year ending the 31<sup>st</sup> March 2022

## PART - A

- (i) Name and address of the owner/occupier of the industry operation or process : Pramod Kumar Agarwal (Director)  
**Shivam Iron & Steel Co. Ltd.**  
**[FERRO ALLOYS DIVISION]**  
At: Jambad, Udnabad, Giridih  
(STC code Secondary-(STC Code)
- (ii) Industry category Primary :  
(iii) Production capacity (Unit) : Units : Steels  
Year of establishment : 2014  
(iv) Date of the last environmental statement submitted : April 2021

## PART - B

## Water and River Material Consumption

- (1) Water consumption per day:

Process	0 KL
Cooling	57 KL
Domestic	03 KL

Name of Products	Process water consumption per unit of product output	
	During the previous financial Year 2021-22	During the Current financial Year
Silico Manganese 1. Ferro Manganese	1.529m <sup>3</sup> /T	1.53m <sup>3</sup> /T

## ii) Raw Material Consumption

*Name of raw materials	Name of Products	Consumption of raw material per unit of Output	
		During Previous Year	During Current Year
Mn. Ore, Mn. Slag, Dolomite, Coal / Coke, Quartz	Silico Mn. Ferro Mn.	2.200 M.T.	2.200 M.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)

- a) Water : NIL
- b) Air : PM 8.22g/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 Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous	During the current
	Financial Year	Financial year
a) From Process	NIL	NIL
b) From pollution control facilities.	NIL	NIL

**PART - E  
Solid Wastes**

From process	10 M.T. / d
From pollution control facilities	500 K.G. / d
Quantity recycled or re-utilized within the unit	0.5 M.T. / d

**PART - F**

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

*Solid Waste (Slag) is being used for filling the pit site of the campus of the unit.*

**PART - G**

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

*Green belt and plantation has been provided in the unit in and around the campus and maintained regularly.*

**PART - H**

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

*An upgraded pollution control equipment's with high technologies like ESP, Bag Filters along with Water Scrubber Collector for suction head of Gas Cleaning and Water Sprinklers has been provided with online monitoring plan in the unit for keeping wet the ground along with pucca road and process is regular in operation.*

**PART - I**

Any other particulars for improving the quality of the environment.

*As directed by the Boar*

**SHIVAM IRON & STEEL CO. LTD.**

  
Auth. Signatory