



To,  
The Regional Officer,  
Jharkhand State Pollution Control Board,  
Regional Office, Adityapur,  
Jamshedpur, Jharkhand.

Date:-05/08/2024

Sub.: - Environmental Statement as on 31/03/2024

Dear Sir,

Under the provisions of rule 14 of the Environmental (Protection) Rules, 1986 and the compliance of conditions mentioned in Consent to Operate, please find enclosed herewith Environmental Statement of our unit in prescribed Form V for the financial year ending 31<sup>st</sup> March, 2024 for your kind perusal.

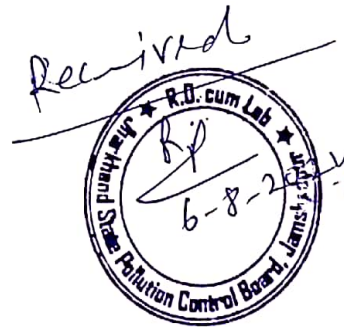
This is for your kind information and necessary records.

Thanking you,

Yours faithfully,

For, Shah Sponge & Power Ltd.

Authorised Signatory



ENVIRONMENT STATEMENT  
OF  
SHAH SPONGE  
& POWER LTD.  
AS ON  
31<sup>st</sup> MARCH, 2024.

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AT- Village juri, P.O.  
Hata,  
P.S.-Potka, Dist.-East  
Singhbhum  
(Jharkhand)

FORM V

(See Rule 14)

Environmental Statement for the financial year ending the 31<sup>st</sup> March 2024

**PART - A**

Sl.No.	ITEM	INFORMATIONS
Sl. No.	Name and Address of the owner/occupier of the industry operation or process	Satya Nand Jha Shah Sponge & Power Ltd. Village-Juri, P.O.-Hata, P.S.-Potka, Dist.- East Singhbhum (Jharkhand)
ii	Industry Category Primary (SSI Code), Secondary (SSI Code)	Primary
iii	Production Capacity	Sponge Iron -200 TPD Power -8 MW
iv	Year of Establishment	2010-11 Both Iron Unit 2012 ( Captive Power Unit )
v	Date of the last Environmental Statement Submitted	28/07/2023

**PART - B**

Water and Raw Materials Consumption

Water consumption m<sup>3</sup> / d:

(a)	Process	- 212.85 KL Per Day
(b)	Cooling	- 60.15 KL Per Day
(c)	Domestic	- 10.33 KL Per Day

Sl. No.	Name of Product	Process Water Consumption per M.T. of final product	
		During the current financial year (2022-23)	During the current financial year (2023-24)
1	Sponge Iron	0.37 KL/Ton Sponge Iron	0.39 KL/Ton Sponge Iron
Ccccx 2	Power Generation	0.79 KL/MW	0.80 KL/MW

(2) Raw Material Consumption

*Satya Nand Jha*

Sl. No.	Nature of Raw Material	Raw Material Consumption per M.T. of the product output	
		During the Current Financial year (2022-23)	During the Current Financial year (2023-24)
Sponge Iron			
1.	Iron Ore	1.67	1.68
2.	Coal	1.10	1.12
3.	Dolomite	0.13	0.14
Power			
1.	Coal	0.22	0.23
2.	Dolo char	1.21	1.23

**PART - C**

Pollutants discharged into environment/unit of output

(Parameters as specified in the consent issued)

Sl.No.	Pollutants	Quantity of Pollutants Discharged (Mass/day)	Concentration of Pollutants in Discharges (Mass/day)	Percentage upward Variation from the Prescribed standards with reasons
(a)	water	-----	N.A.	-----
(b)	Air		49.44 Mg/Nm <sup>3</sup>	Not*

\*We have setup all required pollution control equipment at desired places and all are giving better result; therefore, pollution has been controlled to the great extent.

**PART-D**

Hazardous Wastes

(As specified under Hazardous Waste Management and Handling Rules, 1989)

Sl. No.	Hazardous Wastes Generated	Total Quantity	
		During the current financial year (2022-23)	During the current financial year (2023-24)
(1)	From Process	153.59 kg (Used Oil)	149.76 kg. (Used Oil)
(2)	From Pollution Control Facilities	NIL	NIL

**PART - E**

*Jitendra Kumar Jha*



Sl.No.	Source	Solid Waste	
		During the Current Financial Year (2022-23)	During the Current Financial Year (2023-24)
(a)	From Process – Dolo char----	15,528.350 MT	16,340.550 MT
(b)	From Pollution Control Facilities - Fly Ash-----	90,262.490 MT	78,033.986 MT
(c)	Quantity received or reutilised	15,528.350 MT	16,340.550 MT
(i)	Within the unit	(Dolo char)	(Dolo char)
(ii)	Sold	NIL	NIL
	Disposed	90,262.490 MT (Fly Ash)	78,033.986 MT (Fly Ash)

**PART-F**

Please specify the characterisation (in terms of composition and quantum of hazardous as well as solid waste and indicate disposal practice adopted for the both these categories of waste: -

25% char as solid waste is generated in the manufacturing process. Composition VM 1.5%, Ash 76%, IC 22.50%. It is utilised in our power plant. Fly Ash generated from the ESP is the best raw material of Fly Ash Bricks Plant and Cement Plant, so it has been disposed off to licensed manufacturer of Cement and fly ash bricks manufacturing units.

**PART-G**

Impact of the pollution statement measures taken on conservation for natural resources and on the cost of production: -

Company has taken all necessary measures for conservation of natural resources in and around of the factory premises. Due to construction of Road, Plantation of more trees in the factory premises and continues water spraying by water sprinklers have helped in minimising pollution to the great extent. Company has invested 7.71 Crores for implementation of pollution control.

**PART-H**

Additional measures / investment proposal for environmental protection including statement of pollution prevention: -

ESP in the stakes of all the two kilns is in operation. ESP and Bag filters of power plant have also helped to minimise the pollution.

**PART-I**

Any other particulars for improving the quality of the environment: -

We shall monitor the competence of existing measures of pollution control regularly, if require, further steps will be taken for improvement.

*Jitendra Kumar Jha*