

ENVIRONMENTAL STATEMENT IN FORM (V) FOR THE YEAR APRIL' 2022 TO SEPTEMBER' 2022.

PART - AGENERAL INFORMATION

1. Name and Address of the owner / occupier of the industry:

M/s. **SRMB Srijan Private Limited.**,
Sagarbhanga, Gopinathpur, Durgapur,
Burdwan, West Bengal, India

2. Industry Category : Mnaufacture of Iron and Steel & Billet.

3. Production Capacity i) TMT (Rolling Mills) : 14843.00 MT / Month
ii) Billet (SMS) : 24250.00 MT/ Month

4. Year of Establishment: : 28/11/2001

5. Date of last Statement submitted : January' 2022

PART - BWater and Raw Material Consumption1. Water intake at SRMB (in m³/day)

Sl No.	Purpose	2019-2020	2020-21	2021-22	2022-23 (01.04.2022 to 30.09.2022)
1.	Domestic Service (Sanitary& others)	15.25	60	20	80
2.	Cooling - Industrial purpose & gardening	1000	984	960	1038

2. Raw Material Consumption :

Sl No.	Name of Raw Material	Name of product	Consumption of Raw Materials per unit of output			
			2019-2020	2020-2021	2021-2022	2022-23 (01.04.2022 to 30.09.2022)
1.	M.S. Scrap	Billet	0.251 MT	0.253 MT	0.316 MT	0.25 MT
	Ferro shot / Pig Iron	Billet	0.099 MT	0.127 MT	0.094 MT	0.10 MT
2.	Alloys	Billet	0.012 MT	0.13 MT	0.014 MT	0.02 MT
3.	Pallet (Sponge)	Billet	0.467 MT	0.331 MT	0.414 MT	0.58 MT
4	Lumps (Sponge)	Billet	0.376 MT	0.453 MT	0.338 MT	0.25 MT

PART - C

**POLLUTION DISCHARGE TO ENVIRONMENT FOR THE YEAR
APRIL' 2022 TO SEPTEMBER' 2022**

A. Results of Water (From Factory Main Outlet)

Date of Monitoring : 15.06.2022.

Sl No.	Test Parameters	Concentration of pollutant (mg/l)	Limit as per Env. Protection Act. MOE and F for effluent discharged into inland surface water.
1.	pH	7.7	5.5 - 9.0
2.	Total suspended solids	24	100 (Max)
3.	Biochemical oxygen demand for 3 days at 270C	26	30 (Max)
4.	Chemical oxygen demand	132	250 (Max)
5.	Oil and Grease	<2	10 (Max)

Under "Zero discharge" concept SRMB Srijan Private Limited emits no industrial effluent outside their plant. They use 1038 KL/ day (approx.) of water and reuse it in its production.

B. Results of Stack monitoring:-

Date of Monitoring : 15.06.2022

Sl. No.	Location	Stack Height (m)	Stack Temperature (°C)	Stack Velocity (m/sec)	PM		SO ₂		NO _x	
					mg/Nm ³	Kg/day	mg/Nm ³	Kg/day	mg/Nm ³	Kg/d.
1.	Re-heating Furnace (Rolling Mill)	33	332	11.08	26	15.7	22.5	13.6	77.2	46.5
2.	Re-heating Furnace (SMS)	30	40	23.60	43	177	---	---	---	---
Norms as per CPCB		---	---	---	150 max	---	---	---	---	---

Note: ONE OF THE REHEATING FURNACES OF ROLLING MILL IS NOT RUNNING FROM LONG TIME.

C. Results of Ambient Air Quality Monitoring:-

1. Location: Near Main Gate, ADM Building

Month	Date of monitoring	PM _{2.5} (µg/m ³)	RPM (PM ₁₀) (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
April' 2022	19.04.2022	64.8	117	6.8	43.2
May' 2022	11.05.2022	58.4	106	6.0	42.6
June' 2022	15.06.2022	36.2	53	5.2	27.6
July' 2022	20.07.2022	42.2	62	6.5	38.5
August' 2022	11.08.2022	37.8	59	6.8	31.6
September' 2022	19.09.2022	33.4	46	8.1	36.2
Average (April' 2022 to September' 2022)		45.5	74	6.6	36.6
Norms as per MOE & F Notification New Delhi, 16th November, 2009		60	100	80	80

2. Location: Near 2nd Gate

Month	Date of monitoring	PM _{2.5} (µg/m ³)	RPM (PM ₁₀) (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
April' 2022	19.04.2022	68.2	129	7.4	46.4
May' 2022	11.05.2022	58.5	113	7.0	44.0
June' 2022	15.06.2022	52.3	85	6.6	32.7
July' 2022	20.07.2022	41.8	68	6.9	33.5
August' 2022	11.08.2022	40.2	63	7.6	34.6
September' 2022	19.09.2022	36.8	52	7.4	36.8
Average (April' 2022 to September' 2022)		49.6	85	7.2	38.0
Norms as per MOE & F Notification New Delhi, 16th November, 2009		60	100	80	80

PART – D

HAZARDOUS WASTES :

CBM Gas is base used as Fuel. Non hazardous ecofriendly product. All the wastes from plant are non hazardous in nature.

PART - E

A) WASTE PRODUCT : SMS

Sl. No.	Type	Total Quantities (MT)			
		2019-20	2020-21	2021-22	2022-23 (01.04.2022 to 30.09.2022)
1.	Broken refractory	10175	19132	0	0
2.	Slag + Dust	28551	33250	51506	28538.18

B) WASTE PRODUCT : Rolling Mill

Sl. No.	Type	Total Quantities (MT)			
		2019-20	2020-21	2021-22	2022-23 (01.04.2022 to 30.09.2022)
1.	Broken refractory	Nil	Nil	Nil	Nil
2.	Slag + Dust	Nil	Nil	Nil	Nil
Total (A + B)		Nil	Nil.	Nil	Nil

PART - F

CHARACTERISTIC OF SOLID WASTES :

The solid waste which are generated from various sources mainly from broken refractory, slag, used sand and dust, belongs in the group of non hazardous category.

PART - G

IMPACT OF THE POLLUTION ABATEMENT MEASURE ON CONSERVATION OF NATURAL RESOURCES AND THE COST OF PRODUCTION.

1. There are 3 nos. of stack are present in SRMB Srijan Private Limited and the production capacity is TMT 14843.00 MT / Month & Billet 24250.00 MT / Month.
2. To reduce dust emissions bag filter device has been used for stack. As to control to SMS Flume regulate the emission of particulate matter.
3. There are 3 Nos of Diesel Generator set to operate process equipment during the power failure.

- 4 Under "Zero discharge" concept SRMB Srijan Private Limited emits no industrial effluent outside their plant. They use 1038 KL/ day (approx.) of water and reuse it in its production.
5. To reduce the use of conventional source of energy for conservation of natural resources, SRMB has taken several measures. The rate of electricity consumption in year 2021-22 is decreased due to better efficiency and maintainace and higher production.
6. SRMB by its own has taken initiative to installed 1.895 MWp capacity solar power plant in the existing plant premises through TATA POWER which is in operation. As per the certificate issued by TATA power, the carbon neutralization through this solar initiative itself is equal to 85,775 trees. Moreover, this solar power plant would be equivalent to reduction of CO2 emission to the extent of 53,610 tonnes.
- 7.

ELECTRICITY CONSUMPTION

Year 2022-2023

MONTH	YEAR	Power Consumption TOTAL
APRIL	2022	22962000
MAY	2022	23640000
JUNE	2022	22628000
JULY	2022	24016000
AUGUST	2022	21364000
SEPTEMBER	2022	23400000
		280086000

8. Though there is no-discharge of liquid industrial effluent, SRMB Srijan Private Limited only discharges domestic used water and solid waste. The solid waste is disposed in their own premises. The process of solid waste disposal is land filling.

PART – H

ADDITIONAL MEASURES FOR POLLUTION CONTROL: -

Solid Waste :

SRMB Srijan Private Limited doesn't emit any industrial effluents from their plant. They only emit domestic effluents from the plant. They dispose their solid wastes by the process of land filling. Sand sample as waste material tested and results are found to be within norms as per Hazardous waste Management and Handling Rules 2003, schedule – 2.

AWARENESS PROGRAMME:

SRMB Srijan Private Limited did some awareness programme for "Prevention of Environmental pollution and safety Management" for every employee.

That is a routine work for employee of SRMB Srijan Private Limited. That awareness programmed should give basic knowledge on pollution and industrial safety.

This programmed organizes within the industrial premises in SRMB Srijan Pvt. Ltd, Durgapur.

GASEOUS POLLUTANT:

Management of SRMB Srijan Private Limited has installed the bag filters in phases to improve the performance and efficiency of these units. By this pollution control device the particulate matter has brought down in the plant area.

PART - I

Any other Particulars for improving the quality of Environment:

ACCOMODATION:

SRMB Srijan Private Limited has provided the accommodation facility at Sagarbhanga, Gopinathpur, Durgapur, Burdwan, West Bengal, India.

The **management looks after** the health status of their employee and their family and they also provide good accommodation facility for their worker.

PLANTATION:

The SRMB Srijan Pvt. Ltd. developed a green belt structure to reduce the pollutant level in and around their industrial premises. The Company has already planted 2334 number of trees (which is more than 2200 nos. of trees as prescribed in EC) till date, which is also certified by the Office of Divisional Forest Office, Durgapur division vide their letter memo no. 5983/13-2 dated 22nd March, 2022.

MANAGEMENT OF SRMB SRIJAN PVT LTD. :-

AGM, QC of SRMB Srijan Pvt Ltd has been entrusted to look after the environment and safety of the industry. Manager-personnel and administration works after the plantation and training programme for workers and employee.

The Checklist of important instruments available in the laboratory of SRMB Srijan Private Limited.

- i) Spectrometer
- ii) Ultimate Tensile Strength testing machine
- iii) Hardness testing machine
- iv) Setmagun

- v) Hod Chamber
- vi) For Pend Test.
- vii) M P I (Magnetic Particle Inspection)

Every year SRMB Srijan Private Limited observes Environment Day (5th June), and plantation week (14th – 20th July) to promote mass awareness of Environmental protection, pollution prevention etc.