



Prakash Sponge Iron & Power Pvt. Ltd.

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CIN No.: U27101KA2007PTC043812

No. PSIP/KSPCB/2023-24/29

28-09-2023

To,
The Environmental officer
Karnataka State Pollution Control Board
KHB Colony, behind Pragathi Gramina Bank,
Sadik Nagar Road,
Chitradurga - 577501.

Sub: Submission of Annual Environmental Statement (Form-V) for the financial year 2022-23.

Ref: 1. Environmental clearance F.No. J-11011/325/2010/ IA II (I) dated 22nd December 2011

2. Consent for operation No. AW-325409 Dated: 24.06.2021

Dear Sir,

With reference to the subject cited above, we are herewith enclosing the Annual Environmental statement in Form-V for the financial year **2022-23** in respect of M/s. Prakash Sponge Iron and Power Pvt Ltd. Heggere village, Challakere taluk, Chitradurga dist.. for your perusal.

Kindly acknowledge receipt of the same.

Thanking you,

Yours faithfully

For Prakash Sponge Iron and Power Private Limited



Authorized Signatory

Encl: As above

ENVIRONMENTAL STATEMENT (FORM - V)

2022-2023.

Submitted by

M/s. Prakash Sponge Iron & Power Pvt. Ltd.

Heggere Village, Challakere Taluk

Chitradurga District



ENVIRONMENTAL STATEMENT (FORM - V)	
ENVIRONMENTAL PROTECTION RULES 1986	
Environmental Statement for the Financial Year Ending 31st March 2023	
<u>Part-A</u>	
i) Name & Address of the Owner/ Occupier of the industry operation or process	<p>R. Praveen Chandra Managing Director M/s. Prakash Sponge Iron and Power Private Limited (A Division of ERM Group) Sy No. 42,43, & others Heggere & Kaparahalli Villages, Challakere Taluk, Chitradurga Dist, Karnataka, India. Pin:577522.</p>
ii) Industry category: Primary (STC Code), Secondary (STC Code)	Red, Large
iii) Capacity (units/year)	Sponge iron – 3*100 TPD Bar and Rod Mill – 1,00,000 TPA Light structure mill- 1,00,000 TPA Induction Furnace – 3*12 T 7.1mw whrb based captive power plant- 7.1MW Bricks manufacturing unit of capacity 10,000 bricks/day.
iv) Production (units/year)	Sponge Iron – 88,136.124 TPA TMT Bars – 99,314.133 TPA Light structures- 6,028.601 TPA M S Billets - 1,28,936.97 TPA
v) Year of Establishment	2010
vi) Date of last Environmental Statement submitted	09-09-2022

Part-B			
Water and Raw Material Consumption			
i. Water consumption in m ³ /day		600	
Process:		Nil	
Cooling:		550KL	
Domestic Purpose:		50 KL	
Name of Products	Process water consumption per unit of product output (m ³ /T)		
	During the financial year 2021-2022 (m ³ /T)	During the financial year 2022-2023 (m ³ /T)	
1. Sponge iron	0.35	0.35	
2. Bars & Rod Mill	0.75	0.75	
3. Light Structure Mill	0.75	0.75	
4. Induction Furnace	0.5	0.5	
5. Captive Power Plant	0.7/MW	0.8/MW	
ii. Raw material consumption:			
Name of Raw Material	Name of Product	Raw material consumption per unit of product output in Tons	
		During the financial year 2021-2022	During the financial year 2022-2023
Iron Ore	Sponge Iron	1.67	1.63
Coal		1.04	1.10
Dolomite		0.102	0.12
Sponge Iron	M S Billet	0.65	0.59
M S Scrap		0.54	0.54
Ferro Alloy		0.014	0.014
Pig Iron		0.006	0.001
M S Billet	T M T Bars, Rods & Structures	1.05	1.09

**Industry may use codes 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
(Parameter as specified in the consent issued)***

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of Pollutants Discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
WATER	STP of 50 KLD is in operation.		Well within limits
AIR	All the emissions are monitored monthly and the monitoring report is being submitted monthly to KSPCB, Chitradurga.		Well within limits

Part-D

HAZARDOUS WASTE

(As specified under Hazardous Wastes (Management & Handling) Rules 1989)

Hazardous Wastes	Total Quantity	
	During the financial year 2021-2022	During the financial year 2022-2023
(a) Used Oil	0.291KL	0.363KL
(b) Oil Socked Cotton Waste	0.249MT	0.298MT

<u>Part-E</u>		
SOLID WASTE		
Solid Wastes	Total Quantity (Kg)	
	During the financial yea 2021-2022	During the financial year 2022-2023
a. From Process	34,865.773MT	38,413.9 MT
b. From pollution control facility	32,992.95 MT	26,036.94MT
c. Quantity recycled or reutilized within the unit	8,092.95 MT	16,889.5 MT
<u>Part-F</u>		
Please specify the characterizations (in terms of concentration and quantum) of hazardous as well as solid waste and indicate disposal practice adopted for both these categories of wastes.		
1	Solid Waste	Used in house for brick manufacturing process
2	Hazardous Waste	Small quantity is been used in house and rest sent to Authorized Hazardous waste handler
<u>Part-G</u>		
Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.		
<ul style="list-style-type: none"> • Dust from Bag Filters, fly ash and slag is being used in in-house brick manufacturing plant to produce bricks, thus avoiding the disposal of solid waste. • Developing of green belt within the premise is helping to improve overall quality of the environment. • Establishment of waste heat-based power plant is helping to reduce burning of fossil fuels to produce energy, thereby reducing the carbon emissions. • Setup of sewage treatment plant, recycling of cooling water and using air cooled condenser to reduce fresh water consumption. 		

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Part-H		
Additional measures/ investment proposal for environmental protection including abatement of pollution.		
Sl. No.	Additional Measures taken for abatement of pollution	Location
1	Metalling of roads inside the plant premises to avoid dust nuisance.	Inside plant premises
2	Using in house generated solid waste like Slag and accretion materials as subgrade for road construction.	Inside plant premises
3	Adopting Dry fog system to arrest fugitive emissions at transfer points and loading areas.	Inside plant premises
Part-I		
Miscellaneous		
Any other particulars for improving the quality of the environment		
<i>Taking up planting of average 3000 plantations every year in the factory premises to develop green belt and overall vegetation in the premises.</i> <i>Planning to adopt Miyawaki method of afforestation</i> <i>Constructed 14 Nos borewell recharge pits to recharge ground water.</i> <i>Implemented Drip irrigation system for plantation to reduce water consumption.</i>		

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