

The Sandur Manganese & Iron Ores

(An ISO 9001:2015; ISO 14001:2015 and 45001:2018 certified company)
CIN:L85110KA1954PLC000759; Website: www.sandurgroup.com

REGISTERED OFFICE

'SATYALAYA', No.266
Ward No.1, Palace Road
Sandur - 583 119, Ballari District,
Karnataka, India
Telephone: +91 08395 260301
Fax: +91 8395 260473



CORPORATE OFFICE

'SANDUR HOUSE', No.9,
Bellary Road, Sadashivanagar
Bengaluru - 560 080,
Karnataka, India
Telephone: +91 80 4152 0176 / 179
Fax: +91 80 4547 3000

Ref: SMIORE/ENV/2021-22/24

26/09/2022

To

The Environmental Officer,
Plot No. 597 P, Ward No.-25, 4th Main,
Near Dr. Vishnuvardhan Park, Kuvempu Nagar,
Ballari PIN 583104

Subject: Submission of environmental statement for the year 2021-22

Ref: EC Identification No.EC22A008KA143818 dated 30/03/2022; CFO No.AW-329576 dated 02/02/2022.

Dear Sir,

Please find enclosed herewith the "Environmental statement" for **The Sandur Manganese and Iron Ores Ltd.**, Vyasankere, Hanumanahalli Post, Hospet Taluk Vijayanagara District for the financial year 2021-22 duly filled in the prescribed FORM V for your kind consideration and perusal.

Thanking you,

For The Sandur Manganese & Iron Ores Ltd.


Authorised Signatory

Encl: Form V

MINES OFFICE: Deogiri - 583112, Sandur Taluk, Ballari District

Tel: +91 8395 271025 / 28 / 29 / 40; Fax: +91 8395 271066

PLANT OFFICE: Metal & Ferroalloy Plant, Vyasankere, Mariyammanahalli - 583 222, Hosapete Taluk, Ballari District
Tel: +91 8394 244450 / 244335

**ENVIRONMENTAL STATEMENT
FOR
METAL AND FERRO ALLOY PLANT
THE SANDUR MANGANESE AND IRON ORES LIMITED
FOR THE FINANCIAL YEAR 2021-22**

Submitted by
**ENVIRONMENTAL MANAGEMENT DEPARTMENT
THE SANDUR MANGANESE AND IRON ORES LIMITED
VIJAYANAGARA 583222**



[Form V]
Environmental Statement for the Financial Year 2021-22

PART-A

(i)	Name & address of the owner/occupier of the industry operation or process:	Md. Abdul Saleem, Director (Mines), Metal and Ferro Alloy Plant, The Sandur Manganese and Iron Ores Ltd., Vysanakere (P), Hanumanhalli, MM Halli – 583222 Vijayanagara district Email ID: pspatil@sandurgroup.com plant.environment@sandurgroup.com
(ii)	Industry Code:	Red
	Primary STC Code:	
	Secondary SIC Code:	
(iii)	Production Capacity:	1. Silico manganese : 0.066 MTPA 2. Captive power : 32 MW 3. Coke: 0.4 MTPA
(iv)	Year of Establishment:	1993
(v)	Date of last Environment Statement submitted:	September 28, 2021 vide letter no. SMIORE/ENV/2020-21 & SMIORE/ENV/V/02

PART-B

WATER & RAW MATERIAL CONSUMPTION

- i) **Water Consumption (m³/day)**
 Process Water Consumption: 65 m³/day
 Cooling Water Consumption: 1700 m³/day
 Domestic Water Consumption: 50 m³/day

Name of the Product	Process water consumption/ unit of products	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
1. Silico Manganese	5.35 m ³ /Tonne	5.25 m ³ /Tonne
2. Captive Power	0.52 l/unit	0.45 l/unit
3. Coke	0.55 m ³ /Tonne	0.52 m ³ /Tonne

pspatil



ii) **Raw Material Consumption**

Name of Raw Material	Name of Products	Consumption of raw material per unit output (Tonne/Tonne)	
		During the previous financial year (2020-21)	During the current financial year (2021-22)
Ferro Alloy Plant			
A1. Manganese Ore	Silico Manganese	2.0	1.85
A2. Coke		0.70	0.8
A3. Quartzite		0.35	0.30
A4. Limestone/Dolomite		0.20	0.18
A5. Electrode Paste		0.02	0.20
A6. Power		3900 units	3650 units
Captive Power Plant			
B1. Coal	Power	NIL	NIL
Coke Oven Plant			
C1. Coal	Coke	1.30	1.27

PART-C

**Pollution Discharged to Environment/Unit of Output
(Parameter as specified in the consent issued)**

a. Water

The factory is a dedicated Zero Liquid Discharge (ZLD) plant. Waste water/blow down water generated at CFBC boiler, WHRB boilers is being treated and reused for maintaining green belt, garden, and dust suppression. Similarly, wastewater generated at cooling towers of Ferro Alloy Furnaces, captive power plant and MOBS plant is being used for slag granulation, coke quenching, and dust suppression. Domestic effluent generated is being treated in septic tank with soak pit and treated water is reused for gardening purpose. It is been ensured that there will not be any sewage/effluent discharge into natural stream/storm water drains at any point of time. The installation of 50 KLD Sewage Effluent Treatment Plant (ETP) of has been initiated.

[Handwritten signature]



b. Air

	Quantity of Pollutants Discharged (mass/day)	Concentrations of Pollutants Discharged (mass/volume)	% of Variation from Prescribed Standards
	(mg/day)	(mg/Nm ³)	%
Pollutants	NIL	NIL	NIL

PART-D

Hazardous Wastes

As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

Hazardous Wastes	Total Quantity Generated (tonnes)	
	During the Previous Financial Year (2020-21)	During the Current Financial Year (2021-22)
From Process	Nil	Nil
From Pollution Control Facilities	Nil	Nil

PART-E

Solid Waste

Solid Wastes	Total Quantity Generated (tonnes)	
	During the Previous Financial Year (2020-21)	During the Current Financial Year (2021-22)
a. From Process		
SiMn Slag	21601	34113
b. From Pollution Control Facility		
Bag House Dust	1850	4200
Fly ash	NIL (As coal Based Boiler is not in operation)	NIL (As coal Based Boiler is not in operation)
c. Quantity recycled or reutilised within the unit – 4200 Baghouse Dust reused in production		

perpete



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.

Hazardous Waste:

No hazardous waste was generated during the reporting period i.e. financial year 2021-22.

Solid Waste:

Name of Solid Waste	Characteristics	Method of Disposal
Si Mn Slag	Mno 12.04 % , Sio2 34.82%, Al2O3 26.40%, Feo 0.4%, Mgo 3.66%	Sold to Brick Industry and construction Industry

PART-G

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

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

- **Energy production:** Installation of WHR Boilers that operate on Coke oven waste gases has resulted in reduction of GHG emissions as usage of coal for power generation has been completely stopped.
- Complete reuse of wastewater generated in the plant to ensure Zero Liquid Discharge.
- Celebration of World Environment Day at the factory premises to create environmental awareness among the staff.

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