

The Sandur Manganese & Iron Ores Limited

(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
Tel: +91 8395 260301/ 283173-199
Fax: +91 8395 260473



CORPORATE OFFICE

'SANDUR HOUSE', No.9
Bellary Road, Sadashivanagar
Bengaluru - 560 080
Karnataka, India
Tel: +91 80 4152 0176 - 79 / 4547 3000
Fax: +91 80 4152 0182

Ref No: SMIORE/PLANT/ENV/MR/2025-26/018

09th June 2025

To,

The Environmental Officer,
Regional Office & Zonal office
Karnataka State Pollution Control Board
Sri Sai Sharan plaza, No. 71/A, 2nd floor,
Dam road, Hosapete- 583203, Vijayanagar District.

Subject: Environmental monitoring report of The Sandur Manganese & Iron Ores Limited, Vyasankere, Hosapete for the month of **May-2025**.

Reference: 1) CFO No. AW-329576 PCB ID 29470 Dated 02.02.2022
2) Amended CFO No. AW-335581 PCB ID 29470 Dated 17.01.2023.

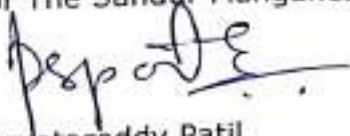
Dear Sir,

With reference to the subject cited above, please find here with Environmental Monitoring reports of M/s The Sandur Manganese & Iron Ores Limited, Vyasankere, Hanumanahalli Post, 583222, Hosapete Taluk, Vijayanagara District., for the Period **May-2025** for your kind perusal.

Kindly acknowledge receipt of the same and oblige.

Thanking you,

For The Sandur Manganese & Iron Ores Limited


Parvatareddy Patil
Senior General Manager-Plant



Encl: Environmental Monitoring Report **May-2025**

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, Vijayanagara District
Tel: +91 8394 244450 / 244335

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Page 1 of 1

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ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ ವಿದ್ಯಾನಗರ ಹೊಸಪೇಟೆ
ಸಂಖ್ಯೆ/ದಿನಾಂಕ: 9-6-25 ಸಂಖ್ಯೆ

ENVIRONMENTAL MONITORING REPORT

Project	The Sandur Manganese & Iron Ores Ltd (Metal & Ferro Alloys Plant),
Location	Vyasanakere, Hanumanahalli Village, Hosapete
Monitoring Month	May -2025

ENVIRONMENTAL LABORATORY

(Unit of Mineral Engineering Services LLP)

(Accredited by NABL & MOEF&CC Under E(P) Act 1986)

#948, 2nd Cross, Kammanahalli Main Road,

St Thomas Town Post,

Bangalore- 560 084, Karnataka

LIST OF TABLES

SL. NO.	PARTICULARS	TABLE NO.
1	Test Report of Ambient Air Quality	1 to 4
2	Noise Level Data	5
3	Stack Monitoring Report	6 to 11



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)

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Recognised by MoEFCC(CPCB) under E(P) Act 1986 Recognition valid upto 30.05.2028

TEST REPORT AMBIENT AIR QUALITY

Table No. 4

Name of the Industry : Ms. The Sandur Manganese & Iron Ores Ltd.
(Metal & Ferro Alloys Plant),
Address : Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected : A4 - Near Plant Railway Siding
Instrument Used : Respirable Dust Sampler - Envirotech APM 460BL Serial No. 533 B 25
Fine Particulate Sampler - Envirotech APM -550MINI, Serial No. 525 J 24
Calibration due date : 26.02.2026
Duration : 24 Hrs
Issue date : 02.06.2025
Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
05.05.2025	N001625052	10	14	62	30	<20	<1
06.05.2025	N004225052	12	20	59	33	<20	<1
16.05.2025	N028425053	12	17	51	27	<20	<1
17.05.2025	N002925054	14	20	48	25	<20	<1
19.05.2025	N008025054	10	15	50	32	<20	<1
20.05.2025	N012125054	13	16	46	24	<20	<1
26.05.2025	N008925055	11	18	59	32	<20	<1
27.05.2025	N016425055	10	13	53	26	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
05.05.2025	N001625052	0.25	<0.1	<0.5	<0.5	0.45	20
06.05.2025	N004225052	0.22	<0.1	<0.5	<0.5	0.42	23
16.05.2025	N028425053	0.31	<0.1	<0.5	<0.5	0.34	21
06.05.2025	N004225052	0.22	<0.1	<0.5	<0.5	0.42	23
19.05.2025	N008025054	0.13	<0.1	<0.5	<0.5	0.45	25
20.05.2025	N012125054	0.15	<0.1	<0.5	<0.5	0.25	23
26.05.2025	N008925055	0.18	<0.1	<0.5	<0.5	0.48	21
27.05.2025	N016425055	0.21	<0.1	<0.5	<0.5	0.35	20
Limits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

Arshiya Kousar
ARSHIYA KOUSAR
Dy. T.M. - Chemical
Govt. Analyst / Authorised Signatory

Office & Lab Address : # 948, 2nd Cross, St. Thomas Town Post, Kammanahalli, Bangalore - 560 084.

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TEST REPORT AMBIENT AIR QUALITY

Table No. 1

Name of the Industry : Ms. The Sandur Manganese & Iron Ores Ltd.
(Metal & Ferro Alloys Plant),
Address : Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist.,
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected : A1 - Near Existing AAQMS 01 (SMIORE School)
Instrument Used : Respirable Dust Sampler - Envirotech APM 460BL Serial No. 528 B 25
Fine Particulate Sampler - Envirotech APM -550MINI, Serial No. 392 H 24
Calibration due date : 26.02.2026
Duration : 24 Hrs
Issue date : 02.06.2025
Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
05.05.2025	N001325052	13	18	56	30	<20	<1
06.05.2025	N003925052	9	14	60	34	<20	<1
16.05.2025	N028125053	7	13	58	31	<20	<1
17.05.2025	N002625054	11	12	63	35	<20	<1
19.05.2025	N007725054	9	11	53	26	<20	<1
20.05.2025	N011825054	11	12	53	29	<20	<1
26.05.2025	N008625055	10	15	50	27	<20	<1
27.05.2025	N016125055	12	18	57	30	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
05.05.2025	N001325052	0.18	<0.1	<0.5	<0.5	0.27	21
06.05.2025	N003925052	0.11	<0.1	<0.5	<0.5	0.20	25
16.05.2025	N028125053	0.19	<0.1	<0.5	<0.5	0.35	23
17.05.2025	N002625054	0.16	<0.1	<0.5	<0.5	0.33	27
19.05.2025	N007725054	0.17	<0.1	<0.5	<0.5	0.26	25
20.05.2025	N011825054	0.11	<0.1	<0.5	<0.5	0.24	22
26.05.2025	N008625055	0.15	<0.1	<0.5	<0.5	0.31	26
27.05.2025	N016125055	0.12	<0.1	<0.5	<0.5	0.22	25
Limits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

Arshiya Kousar
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TEST REPORT AMBIENT AIR QUALITY

Table No. 3

Name of the Industry : Ms. The Sandur Manganese & Iron Ores Ltd.
(Metal & Ferro Alloys Plant),
Address : Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist.,
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected : A3 - Galemmanagudi
Instrument Used : Respirable Dust Sampler - Envirotech APM 460BL Serial No. 527 B 25
Fine Particulate Sampler - Envirotech APM -550MINI, Serial No. 331 J 24
Calibration due date : 26.02.2026
Duration : 24 Hrs
Issue date : 02.06.2025
Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
05.05.2025	N001525052	11	15	55	30	<20	<1
06.05.2025	N004125052	9	11	53	28	<20	<1
16.05.2025	N028325053	10	13	60	32	<20	<1
17.05.2025	N002825054	11	17	56	27	<20	<1
19.05.2025	N007925054	13	15	47	25	<20	<1
20.05.2025	N012025054	11	12	48	22	<20	<1
26.05.2025	N008825055	14	18	56	29	<20	<1
27.05.2025	N016325055	12	15	50	26	<20	<1
Limits for Industrial, Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
05.05.2025	N001525052	0.21	<0.1	<0.5	<0.5	0.33	21
06.05.2025	N004125052	0.22	<0.1	<0.5	<0.5	0.25	20
16.05.2025	N028325053	0.17	<0.1	<0.5	<0.5	0.21	21
17.05.2025	N002825054	0.13	<0.1	<0.5	<0.5	0.26	23
19.05.2025	N007925054	0.11	<0.1	<0.5	<0.5	0.22	21
20.05.2025	N012025054	0.13	<0.1	<0.5	<0.5	0.35	20
26.05.2025	N008825055	0.15	<0.1	<0.5	<0.5	0.42	24
27.05.2025	N016325055	0.21	<0.1	<0.5	<0.5	0.37	21
Limits for Industrial, Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	5 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

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TEST REPORT

AMBIENT AIR QUALITY

Table No. 2

Name of the Industry : Ms. The Sandur Manganese & Iron Ores Ltd.
(Metal & Ferro Alloys Plant),
Address : Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,
Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Particulars of sample collected : A2 - Existing Water Reservoir (Near WTP Plant)
Instrument Used : Respirable Dust Sampler - Envirotech APM 460BL Serial No. 529 B 25
Fine Particulate Sampler - Envirotech APM -550MINI, Serial No. 393 H 24
Calibration due date : 26.02.2026
Duration : 24 Hrs
Issue date : 02.06.2025
Reference IS 5182 & Lab SOP

Date of Sampling	Report No	Sulphur Dioxide (SO ₂), µg/m ³	Nitrogen Dioxide (NO ₂), µg/m ³	PM ₁₀ , (µg/m ³)	PM _{2.5} , (µg/m ³)	Ammonia (NH ₃), µg/m ³	Benzene (C ₆ H ₆), µg/m ³
05.05.2025	N001425052	9	10	48	24	<20	<1
06.05.2025	N004025052	13	17	53	29	<20	<1
16.05.2025	N028225053	9	11	60	33	<20	<1
17.05.2025	N002725054	9	14	57	30	<20	<1
19.05.2025	N007825054	11	15	52	27	<20	<1
20.05.2025	N011925054	13	20	50	26	<20	<1
26.05.2025	N008725055	12	18	58	33	<20	<1
27.05.2025	N016225055	10	15	60	35	<20	<1
Limits for Industrial , Residential, Rural and other Areas		80 24 Hrs	80 24 Hrs	100 24 Hrs	60 24 Hrs	400 24 Hrs	5 Annual

Date of Sampling	Report No	Lead (Pb), µg/m ³	Nickel (Ni), ng/m ³	Arsenic (As), ng/m ³	Benzo(a) Pyrene (BaP), ng/m ³	Carbon Monoxide* (CO), mg/m ³	Ozone* (O ₃), µg/m ³
05.05.2025	N001425052	0.18	<0.1	<0.5	<0.5	0.25	20
06.05.2025	N004025052	0.15	<0.1	<0.5	<0.5	0.27	28
16.05.2025	N028225053	0.21	<0.1	<0.5	<0.5	0.36	26
17.05.2025	N002725054	0.22	<0.1	<0.5	<0.5	0.22	24
16.05.2025	N028225053	0.21	<0.1	<0.5	<0.5	0.36	26
20.05.2025	N011925054	0.21	<0.1	<0.5	<0.5	0.34	24
26.05.2025	N008725055	0.18	<0.1	<0.5	<0.5	0.25	22
27.05.2025	N016225055	0.15	<0.1	<0.5	<0.5	0.26	20
Limits for Industrial , Residential, Rural and other Areas		1.0 24 Hrs	20 Annual	6 Annual	1 Annual	4 1 Hr	180 1 Hr

Note : * Parameters monitored for period of 1 hr

Arshiya Kousar
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TEST REPORT

Table No. 5

AMBIENT NOISE LEVEL DATA

Report No. ELMES152504

Name of the Industry		: Ms. The Sandur Manganese & Iron Ores Ltd. (Metal & Ferro Alloys Plant),					
Address		: Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,					
Instrument used for sampling		: Ambient Noise Level collected through Sound Level Meter (HTC SL-1352 Data Logger)					
Sample Collected by		: Environmental Laboratory (Unit of Mineral Engineering Services LLP)					
Date of sample collection		: 20.05.2025					
Issue Date		: 02.06.2025					
Sampling & Test Method		: IS:9989					
Code No.	Particulars of sample collected	Day			Night		
		(06.00 Am to 10.00 Pm)			(10.00 Pm to 06.00 Am)		
		L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}
Core zone							
N1	Near Existing AAQMS 01 (SMIORE Schools)	40.0	55.0	61.2	34.0	45.3	51.2
N2	Near Water Reservoir (WTP Plant)	40.0	56.1	63.2	34.8	48.2	54.2
<u>Permissible Limits of Ambient Noise Levels as per CPCB Guidelines</u> Leq. Limit dB(A) Day Night Industrial areas 75 70							
Code No.	Particulars of sample collected	Day			Night		
		(06.00 Am to 10.00 Pm)			(10.00 Pm to 06.00 Am)		
		L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}
Buffer zone							
N3	Near Galemmanagudi	35.8	48.5	54.1	34.8	43.1	46.1
N4	Vysanakere Village	36.2	52.0	56.2	34.0	43.6	45.8
N5	Hanumanahalli village	38.0	52.1	57.4	34.0	40.9	47.2
<u>Permissible Limits of Ambient Noise Levels as per CPCB Guidelines</u> Leq. Limit dB(A) Day Night Commercial area 65 55 Residential area 55 45							

Arshiya Kousar
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TEST REPORT

Table No. 6

Stack Monitoring Report

Name of the Industry	: Ms. The Sandur Manganese & Iron Ores Ltd. (Metal & Ferro Alloys Plant),
Address	: Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,
Location	: ARC Furnace area
Stack ID	: Stack Attached to Furnace - 3
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling	: Emissions collected through stack sampler
Date of Collection	: 27.05.2025
Date of Sample Receipt	: 28.05.2025
Report No	: N000125055
Issue date	: 02.06.2025

STACK DETAILS

1	Fuel Used	-
2	Ambient Temperature (°C)	28
3	Stack Temperature (°C)	298
4	Velocity (m/s)	5.55
5	Stack Height (M)	35
6	Stack Diameter (M)	2.5
7	Cross Sectional Area in meter square (m ²)	95733
8	Quantity of flue Gas Discharged into atmosphere (Nm ³ /hr)	46478
9	Sample Condition When Received	Satisfactory
10	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
11	Serial No. of the Equipment	338 DTH 14
12	Calibration due date	15.07.2025

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Tolerance Limits Ref - G.S.R. 227(E) dated 31.03.2012	Test Method
1	Particulate Matter	mg/Nm ³	30.22	150	IS: 11255(Part-1) 2014
2	Sulphur Dioxide (SO ₂),	mg/Nm ³	15.28	--	IS: 11255(Part-2) 2014
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	20.85	--	IS: 11255(Part-7) 2017
4	CO	%	0.41	--	flue gas analyser
5	Oxygen (O ₂)	%	16.88	--	flue gas analyser

ARSHIYA KOUSAR

Dy. T.M. - Chemical

Govt. Analyst / Authorised Signatory

Arshiya Kousar

ARSHIYA KOUSAR

Dy. T.M. - Chemical

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TEST REPORT

Table No.7

Stack Monitoring Report

Name of the Industry	: Ms. The Sandur Manganese & Iron Ores Ltd. (Metal & Ferro Alloys Plant),
Address	: Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,
Location	: ARC Furnace area
Stack ID	: Stack Attached to Furnace -5
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling	: Emissions collected through stack sampler
Date of Collection	: 27.05.2025
Date of Sample Receipt	: 28.05.2025
Report No	: N000225055
Issue date	: 02.06.2025

STACK DETAILS

1	Fuel Used	-
2	Ambient Temperature ($^{\circ}\text{C}$)	30
3	Stack Temperature ($^{\circ}\text{C}$)	306
4	Velocity (m/s)	14.08
5	Stack Height (M)	35
6	Stack Diameter (M)	3.0
7	Cross Sectional Area in meter square (m^2)	95733
8	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	167390
9	Sample Condition When Received	Satisfactory
10	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
11	Serial No. of the Equipment	338 DTH 14
12	Calibration due date	15.07.2025

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Tolerance Limits Ref - G.S.R. 227(E) dated 31.03.2012	Test Method
1	Particulate Matter	mg/Nm^3	50.12	150	IS: 11255(Part-1) 2014
2	Sulphur Dioxide (SO_2),	mg/Nm^3	18.21	--	IS: 11255(Part-2) 2014
3	Nitrogen Dioxide (NO_2)	mg/Nm^3	23.52	--	IS: 11255(Part-7) 2017
4	CO	%	0.46	--	flue gas analyser
5	Oxygen (O_2)	%	18.28	--	flue gas analyser

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TEST REPORT

Table No. 8

Stack Monitoring Report

Name of the Industry	: Ms. The Sandur Manganese & Iron Ores Ltd. (Metal & Ferro Alloys Plant),
Address	: Vyasnakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,
Location	: Coke Oven Plant
Stack ID	: Stack Attached to WHRB -01
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling	: Emissions collected through stack sampler
Date of Collection	: 27.05.2025
Date of Sample Receipt	: 28.05.2025
Report No	: N000325055
Issue date	: 02.06.2025

STACK DETAILS

1	Fuel Used	-
2	Ambient Temperature ($^{\circ}\text{C}$)	30
3	Stack Temperature ($^{\circ}\text{C}$)	152
4	Velocity (m/s)	8.64
5	Stack Height (M)	60
6	Stack Diameter (M)	4.6
7	Cross Sectional Area in meter square (m^2)	16.62647
8	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	329173
9	Sample Condition When Received	Satisfactory
10	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
11	Serial No. of the Equipment	86 BTF 12
12	Calibration due date	15.07.2025

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Tolerance Limits Ref - G.S.R. 227(E) dated 31.03.2012	Test Method
1	Particulate Matter	mg/Nm^3	38.00	50	IS: 11255(Part-1) 2014
2	Sulphur Dioxide (SO_2)	mg/Nm^3	45.75	800	IS: 11255(Part-2) 2014
3	Nitrogen Dioxide (NO_2)	mg/Nm^3	52.10	500	IS: 11255(Part-7) 2017
4	CO	%	0.44	Max1%	flue gas analyser
5	Oxygen (O_2)	%	6.85	-	flue gas analyser

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TEST REPORT

Table No. 9

Stack Monitoring Report

Name of the Industry	: Ms. The Sandur Manganese & Iron Ores Ltd. (Metal & Ferro Alloys Plant),
Address	: Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,
Location	: Coke Oven Plant
Stack ID	: Stack Attached to Coal Crushing
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling	: Emissions collected through stack sampler
Date of Collection	: 27.05.2025
Date of Sample Receipt	: 28.05.2025
Report No	: N000425055
Issue date	: 01.06.2025

STACK DETAILS

1	Fuel Used	-
2	Ambient Temperature ($^{\circ}\text{C}$)	32
3	Stack Temperature ($^{\circ}\text{C}$)	82
4	Velocity (m/s)	7.56
5	Stack Height (M)	15
6	Stack Diameter (M)	0.7
7	Cross Sectional Area in meter square (m^2)	0.4419
8	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	10430
9	Sample Condition When Received	Satisfactory
10	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
11	Serial No. of the Equipment	338 DTH 14
12	Calibration due date	15.07.2025

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Tolerance Limits Ref - G.S.R. 227(E) dated 31.03.2012	Test Method
1	Particulate Matter	mg/Nm^3	39.21	50	IS: 11255(Part-1) 2014

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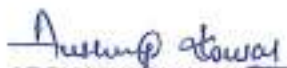
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TEST REPORT

Table No. 10

Stack Monitoring Report

Name of the Industry	: Ms. The Sandur Manganese & Iron Ores Ltd. (Metal & Ferro Alloys Plant),				
Address	: Vyasanakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,				
Location	: Coke Oven Plant				
Stack ID	: Stack Attached to Coke Cutter				
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Instrument used for sampling	: Emissions collected through stack sampler				
Date of Collection	: 27.05.2025				
Date of Sample Receipt	: 28.05.2025				
Report No	: N000525055				
Issue date	: 01.06.2025				
STACK DETAILS					
1	Fuel Used	-			
2	Ambient Temperature ($^{\circ}\text{C}$)	30			
3	Stack Temperature ($^{\circ}\text{C}$)	82			
4	Velocity (m/s)	7.63			
5	Stack Height (M)	15			
6	Stack Diameter (M)	0.7			
7	Cross Sectional Area in meter square (m^2)	0.3850			
8	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	8061			
9	Sample Condition When Received	Satisfactory			
10	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1			
11	Serial No. of the Equipment	86 BTF 12			
12	Calibration due date	15.07.2025			
Pollutional Parameters (Result)					
Sl.No	Parameters	Unit	Results	Tolerance Limits Ref - G.S.R. 227(E) dated 31.03.2012	Test Method
1	Particulate Matter	mg/Nm^3	26.50	50	IS: 11255(Part-1) 2014


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TEST REPORT

Table No. 11

Stack Monitoring Report

Name of the Industry	: Ms. The Sandur Manganese & Iron Ores Ltd. (Metal & Ferro Alloys Plant),
Address	: Vyasnakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,
Location	: Coke Oven Plant
Stack ID	: Stack Attached to Coke Screening & Store
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)
Instrument used for sampling	: Emissions collected through stack sampler
Date of Collection	: 27.05.2025
Date of Sample Receipt	: 28.05.2025
Report No	: N000625055
Issue date	: 01.06.2025

STACK DETAILS

1	Fuel Used	-
2	Ambient Temperature ($^{\circ}\text{C}$)	31
3	Stack Temperature ($^{\circ}\text{C}$)	60
4	Velocity (m/s)	8.97
5	Stack Height (M)	15
6	Stack Diameter (M)	0.7
7	Cross Sectional Area in meter square (m^2)	0.3850
8	Quantity of flue Gas Discharged into atmosphere (Nm^3/hr)	7544
9	Sample Condition When Received	Satisfactory
10	Model of the Equipment used for Monitoring	Vayubodhan Stack Sampler VSS1
11	Serial No. of the Equipment	86 BTF 12
12	Calibration due date	15.07.2025

Pollutional Parameters (Result)

Sl.No	Parameters	Unit	Results	Tolerance Limits Ref - G.S.R. 227(E) dated 31.03.2012	Test Method
1	Particulate Matter	mg/Nm^3	31.75	50	IS: 11255(Part-1) 2014

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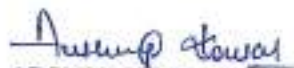
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TEST REPORT

Stack Monitoring Report

Name of the Industry	: Ms. The Sandur Manganese & Iron Ores Ltd. (Metal & Ferro Alloys Plant),
Address	: Vyasnakere, Hanumanahalli Village, Hospet Taluk, Ballari Dist ,
Location	: Coke Oven Plant
Stack ID	: Stack Attached to WHRB -02

Remarks - Shutdown


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TEST REPORT

Name of the Client	: M/s. Sandur Manganese & Iron Ores Limited				
Name of the Project	: Iron & Steel Plant at Vyasnakere village, Hosapete Taluk, Ballari District, Karnataka				
Sample Collected by	: Environmental Laboratory (Unit of Mineral Engineering Services LLP)				
Particulars of sample collected	: 50 KLD STP Water				
Date of sample collection	: 16.05.2025				
Date of sample receipt	: 17.05.2025				
Report No	: M000125054				
Issue Date	: 20.05.2025				
Ref : Discharge Standards for Treated Sewage Utilized for Landscape/Irrigation/Secondary Purposes					
Sl. No.	Parameters	units	Results	Tolerance Limit	Method of Testing
1	pH	-	7.81	6.5 - 9.0	IS 3025 (P-11)2017
2	Biochemical Oxygen Demand BOD ₅ 27 ^o C	mg/l	7.2	<10	IS 3025 (P-44) 1993 RA 2019
3	Chemical Oxygen Demand (COD)	mg/l	44	<50	IS 3025 (P-58) 2006 RA 2017
4	Total Suspended Solids, at 105 ^o C	mg/l	6	<20	IS 3025 (P-16)1984 RA 2017
5	Ammonium (H4-N)	mg/l	0.3	<5	IS 3025 (P-34) 2023
6	Total Nitrogen (N-Total)	mg/l	7	<10	IS 3025 (Part-34)
7	Fecal coliform	MPN/100ml	9	<100	APHA 24 th Edition

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Latitude: 15°11'39"
Longitude: 76°22'45"
Elevation: 517.73±3 m
Accuracy: 3.8 m
Date: 16-05-2025
GPSTime: 10:15 AM
Note: STP water sample Simione slott

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