

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



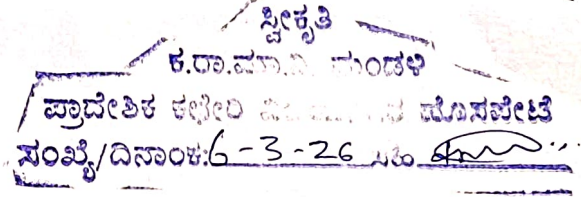
CORPORATE OFFICE

'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/2025-26/072

06/03/2026

To,
The Environmental Officer,
Regional Office KSPCB,
Shree Sai Sharana Plaza,
No. 71/A, 2nd Floor, Dam Road,
Hosapete, Vijayanagara- 583203



Sub: Submission of Environmental Monitoring Report **February-2026**

Ref:

- 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,

We are herewith submitting the Environmental Monitoring Report of M/s The Sandur Manganese & Iron Ores Limited for **February 2026** 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 **February-2026**

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



M/s. The Sandur Manganese & Iron Ores Ltd
(Metal & Ferro Alloys Plant)

ENVIRONMENTAL MONITORING REPORT



Vyasanakere, Hanumanahalli Post, M.M.Halli
Hosapete-583222, Vijayanagara District,
Karnataka.

FEBRUARY-2026

Prepared by



GEMS



NABET



TC-16180

GLOBAL ENVIRONMENT & MINING SERVICES LLP

NABL & MOEFCC Recognized Laboratory

(Consulting Engineers, Mine Designers, Geologists & Surveyors)

3rd main road, Basaveswara Badavane

HOSAPETE - 583201, Dist., Vijayanagara (Karnataka)

Tel : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemsllp.in

PREFACE

As per the conditions stipulated in the Consent for Establishment (CFE) and Consent for Operation (CFO), industries are required to monitor environmental parameters at specified frequencies and designated locations. The monitoring data must be submitted monthly to the respective State Pollution Control Board.

In line with this requirement, and as part of its commitment to environmental compliance and the health and safety of its employees and surrounding communities, **M/s. The Sandur Manganese & Iron Ores Ltd.** has engaged **M/s. Global Environment & Mining Services LLP, Hosapete**, to carry out comprehensive environmental monitoring. The scope of monitoring includes:

- Ambient Air Quality (AAQ) Monitoring
- Noise Level Monitoring
- Water Quality Analysis
- Stack Emissions Monitoring

All monitoring activities were carried out using standard sampling methodologies prescribed by the Central Pollution Control Board (CPCB) and in accordance with the frequencies and parameters outlined in the CFO conditions. The monitoring reports have been compiled accordingly and are being submitted to the Pollution Control Board as per compliance requirements.

We extend our sincere thanks to the officials of **M/s. The Sandur Manganese & Iron Ores Ltd.** for their valuable coordination and support during the sampling and reporting process.

for **GLOBAL Environment & Mining Services LLP**

Place: Hosapete
Date: 02.03.2026


S. VENKATESH
(Asst. General Manager)



CONTENTS

Sl. No.	Locations	Annexure No.
ANALYSIS REPORT OF AMBIENT AIR QUALITY MONITORING		
1	A1-Near Existing AAQMS 01 (SMIORE School)	1
2	A2 - Existing Water Reservoir (Near WTP Plant)	2
3	A3-Galemmanagudi Village	3
4	A4 - Near Plant Railway Siding	4
ANALYSIS REPORT OF STACK EMISSION		
1	Stack Attached to Furnace - 3	5
2	Stack Attached to Furnace - 5	6
3	Stack Attached to WHRB-01	7
4	Stack Attached to WHRB-02	8
5	Stack Attached to Coal Crushing	9
6	Stack Attached to Coke Cutter	10
7	Stack Attached to Coke Screening & Store	11
AMBIENT NOISE LEVEL MONITORING REPORT		
1	Near Existing AAQMS 01 (SMIORE Schools)	12
2	Near Water Reservoir (WTP Plant)	
3	Galemmanagudi	
4	Vyasanakere Village	
5	Hanumana Halli	
ANALYSIS REPORT OF STP WATER QUALITY DATA		
1	Sewage Treatment Plant (Outlet)	13



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 Website : www.gemslip.in



TC-16180

ANNEXURE-01
 GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
 (Metal & Ferro Alloys Plant), Vyasanakere,
 Hanumanahalli Village, Hospet Taluk,
 Vijayanagara Dist., Karnataka

Customer Reference : Workorder No.4200011817 Dated:20.08.2025

Sample collected by : Global Environment & Mining Services LLP

Discipline : Chemical

Group : Atmospheric Pollution

Sample Type : Ambient Air Quality Monitoring

Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler

Month : **FEBRUARY-2026**

Location : **A1-Near Existing AAQMS 01 (SMIORE School)**

Report Issued Date : **02.03.2026**

Report Number : **ULR-TC1618025000004181F**

RESULTS

Parameters			PM ₁₀ [µg/m ³]	PM _{2.5} [µg/m ³]	SO ₂ [µg/m ³]	NO ₂ [µg/m ³]	Ozone* (O ₃), [µg/m ³]	Ammonia (NH ₃) [µg/m ³]
Reference Method			IS:5182: 2006 (Part-23) (RF-2017)	IS 5182 (Part 24): 2019 (RF- 2024)	IS:5182: 2001 (Part-2) Sec 1:2023	IS :5182: (Part-6) 2006 (RF-2017)	IS 5182 (Part 9): 1974	IS 5182 (Part 25) 2018
Date of Sampling	Date of Sample Received	Sample Code	Result	Result	Result	Result	Result	Result
06.02.2026	07.02.2026	9128	66.75	17.22	9.21	10.20	0.00	<20.0
07.02.2026	08.02.2026	9176	47.73	13.52	8.71	8.92	0.00	<20.0
13.02.2026	14.02.2026	9364	54.44	12.24	7.69	8.55	0.00	<20.0
14.02.2026	15.02.2026	9398	71.96	15.09	9.03	12.23	0.00	<20.0
20.02.2026	21.02.2026	9559	63.49	16.81	10.50	12.18	0.00	<20.0
21.02.2026	22.02.2026	9581	51.32	12.38	9.17	10.60	0.00	<20.0
27.02.2028	28.02.2026	9770	55.69	14.85	12.14	12.71	0.00	<20.0
28.02.2026	01.03.2026	9800	73.17	13.46	8.80	9.97	0.00	<20.0
Average			60.57	14.45	9.41	10.67	0.00	<20
Limits for Industrial, Residential, Rural, and other Areas			100	60	80	80	180	400
			24 hrs.	24 hrs.	24 hrs.	24 hrs.	1hr*	24 hrs.

Note: * Parameters were monitored for a period of 1 hr.

INFERENCE As per NAAQMS Standards (2009),
 Report Status: - Measured Values for the above parameters are within the limit.

End of the Report

S. Samreen P.
 Analysed By
 Samreen P
 Chemist

S. Venkatesh
 Verified By
 S. Venkatesh
 Asst. General Manager

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- Water Samples will be destroyed after 7Days, Waste Water After Analysis Discard the Samples, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 days.
- This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
- Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.
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ANNEXURE-01
 GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
 (Metal & Ferro Alloys Plant), Vyasanakere,
 Hanumanahalli Village, Hospet Taluk,
 Vijayanagara Dist., Karnataka
 Customer Reference : Workorder No.4200011817 Dated:20.08.2025
 Sample collected by : Global Environment & Mining Services LLP
 Discipline : Chemical
 Group : Atmospheric Pollution
 Sample Type : Ambient Air Quality Monitoring
 Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler
 Month : FEBRUARY-2026
 Location : A1-Near Existing AAQMS 01 (SMIORE School)
 Report Issued Date : 02.03.2026
 Report Number : GEMS/SMIORE/2025-26/4181

Parameters			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	Benzene (C ₆ H ₆), µg/m ³
Reference Method			IS 5182 (Part 22): 2004(RA 2014)	IS 5182 (Part 26): 2020	GEMS /SOP/87	IS 5182 (Part XII) 2006(RA 2017)	GEMS/SOP/86	IS 5182 (Part XI) 2006(RA 2017)
Date of Sampling	Date of Sampling	Sample Code	Result	Result	Result	Result	Result	Result
06.02.2026	07.02.2026	9128	<0.01	<0.1	<0.5	<0.5	0.12	<1.0
07.02.2026	08.02.2026	9176	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
13.02.2026	14.02.2026	9364	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
14.02.2026	15.02.2026	9398	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
20.02.2026	21.02.2026	9559	<0.01	<0.1	<0.5	<0.5	0.11	<1.0
21.02.2026	22.02.2026	9581	<0.01	<0.1	<0.5	<0.5	0.15	<1.0
27.02.2028	28.02.2026	9770	<0.01	<0.1	<0.5	<0.5	0.13	<1.0
28.02.2026	01.03.2026	9800	<0.01	<0.1	<0.5	<0.5	0.09	<1.0
Average			<0.01	<0.1	<0.5	<0.5	0.12	<1.0
Limits for Industrial, Residential, Rural, and other Areas			1.0	20	6	1	4	5
			24 hrs.	Annual	Annual	Annual	1 hr.	Annual

Note: * Parameters were monitored for a period of 1 hr.

INFERENCE As per NAAQMS Standards (2009),
 Report Status: - Measured Values for the above parameters are within the limit.

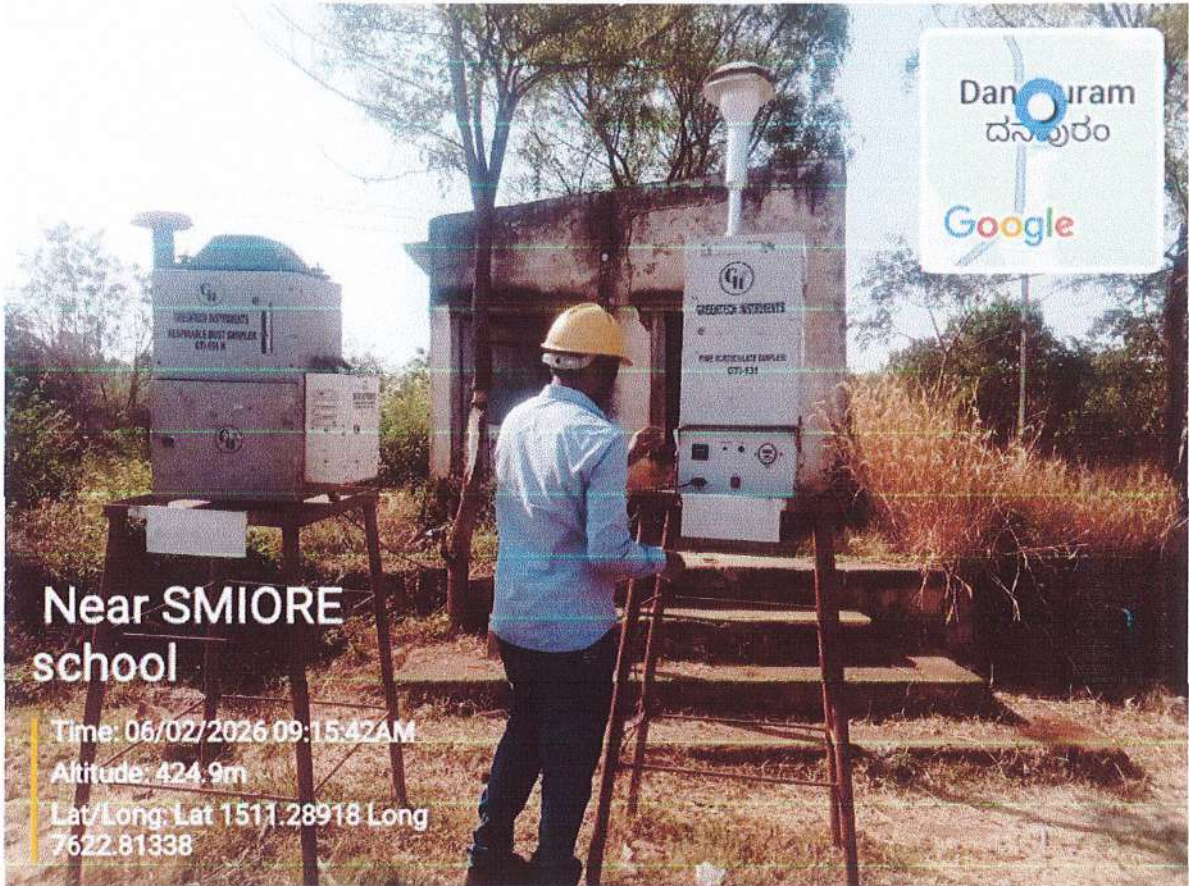
End of the Report

Analysed By
 Samreen P
 Chemist

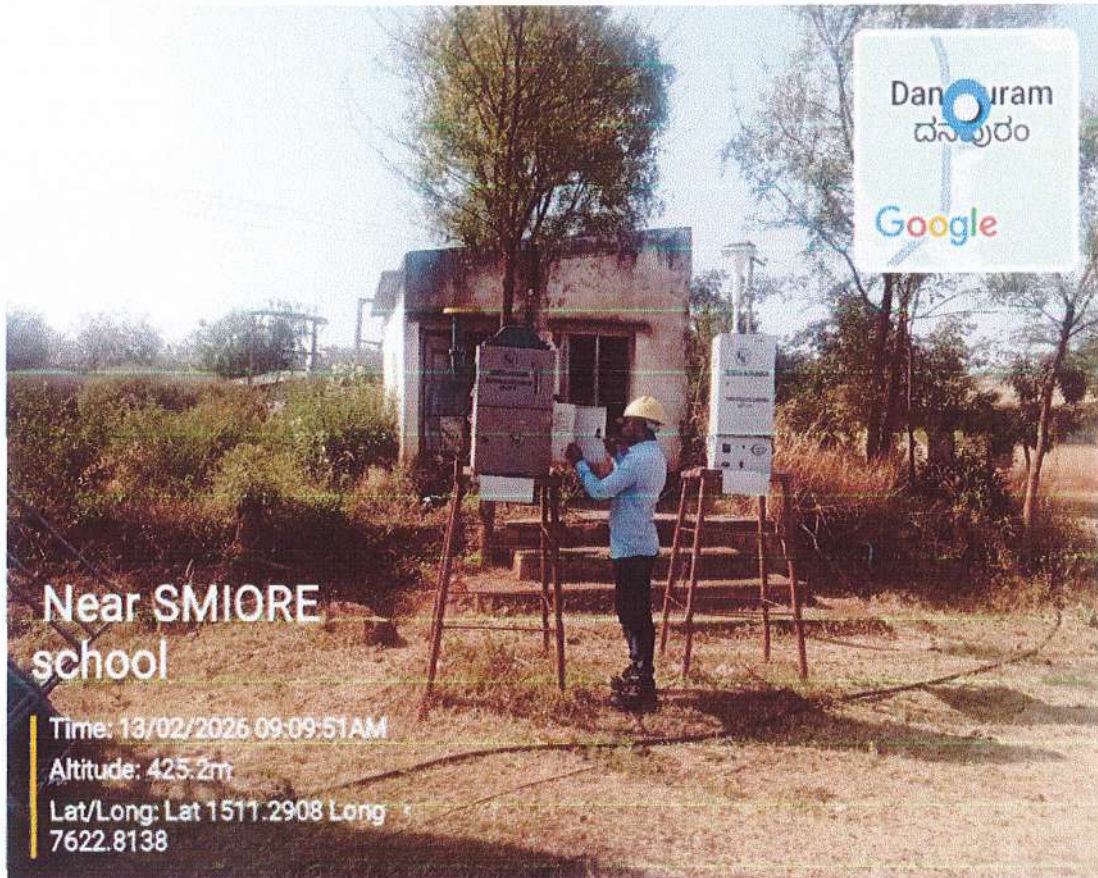
Verified By
 S. Venkatesh
 Asst. General Manager

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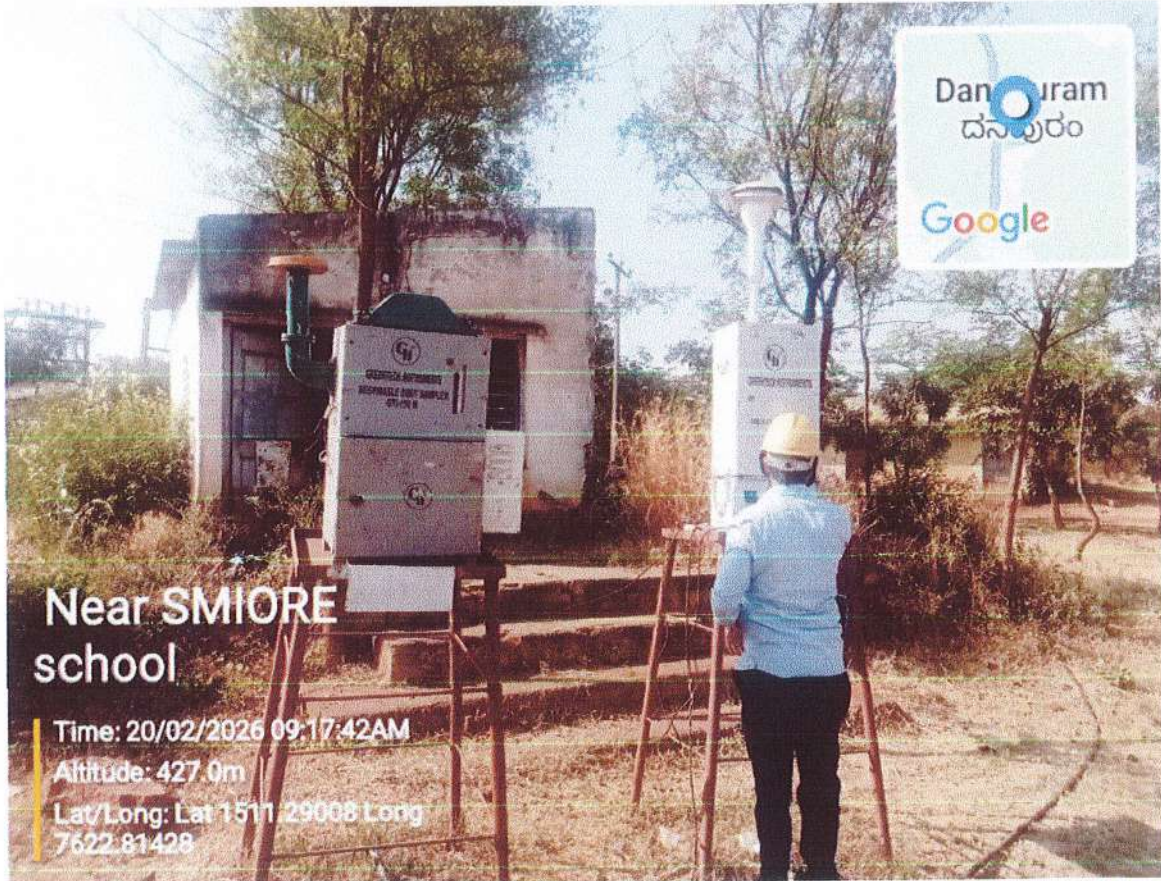
AMBIENT AIR QUALITY FEBRUARY - 2026



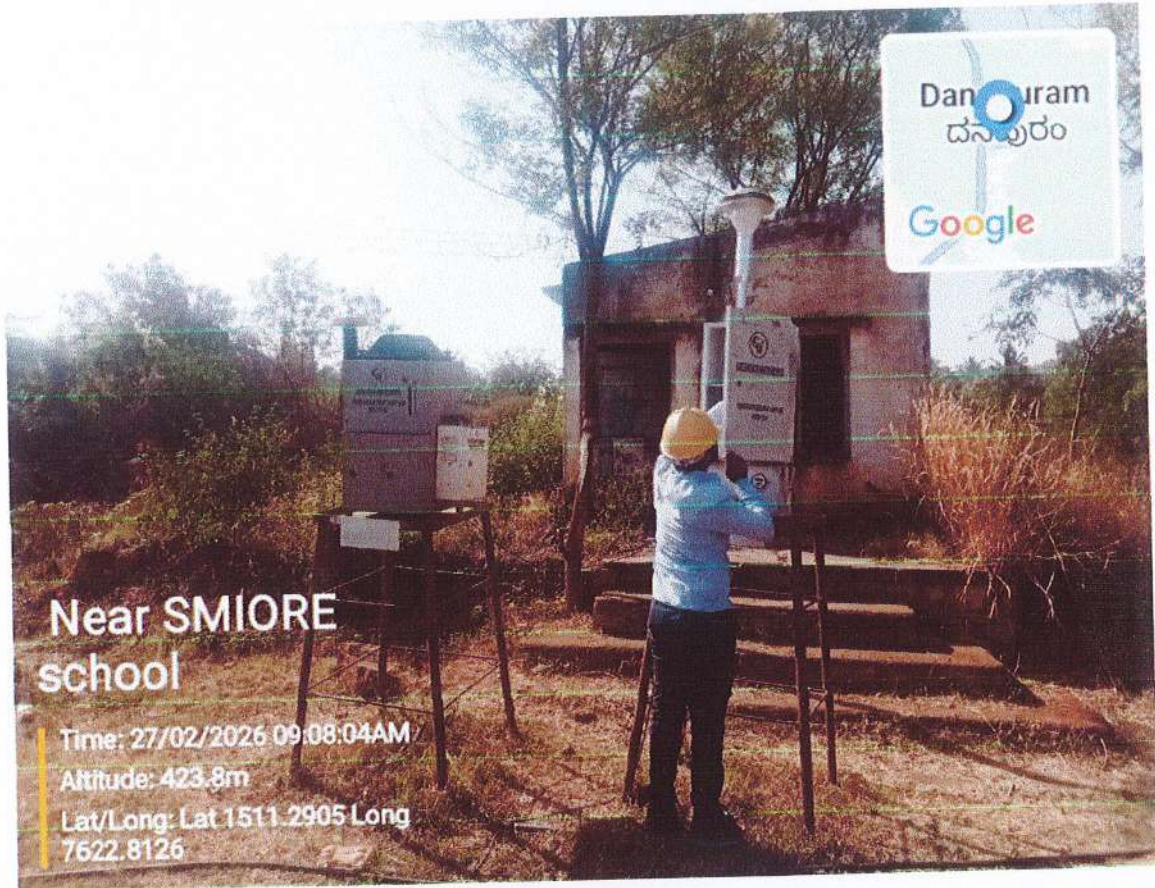
AMBIENT AIR QUALITY FEBRUARY - 2026



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TC-16180

ANNEXURE-02
GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
 (Metal & Ferro Alloys Plant), Vyasanakere,
 Hanumanahalli Village, Hospet Taluk,
 Vijayanagara Dist., Karnataka

Customer Reference : Work order No. 4200011817 Dated: 20.08.2025

Sample collected by : Global Environment & Mining Services LLP

Discipline : Chemical

Group : Atmospheric Pollution

Sample Type : Ambient Air Quality Monitoring

Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler

Month : **FEBRUARY-2026**

Location : **A2 - Existing Water Reservoir (Near WTP Plant)**

Duration of Monitoring : 24 Hour

Report Issued Date : **02.03.2026**

Report Number : **ULR-TC1618025000004182F**

RESULTS

Parameters			PM ₁₀ [µg/m ³]	PM _{2.5} [µg/m ³]	SO ₂ [µg/m ³]	NO ₂ [µg/m ³]	Ozone* (O ₃), [µg/m ³]	Ammonia (NH ₃) [µg/m ³]
Reference Method			IS:5182: 2006 (Part-23) (RF-2017)	IS 5182 (Part 24): 2019 (RF- 2024)	IS:5182: 2001 (Part-2) Sec 1:2023	IS :5182: (Part-6) 2006 (RF-2017)	IS 5182 (Part 9): 1974	IS 5182 (Part 25) 2018
Date of Sampling	Date of Sample Received	Sample Code	Result	Result	Result	Result	Result	Result
06.02.2026	07.02.2026	9129	53.84	16.52	8.12	8.80	3.69	<20.0
07.02.2026	08.02.2026	9177	49.19	13.32	8.39	9.33	0.00	<20.0
13.02.2026	14.02.2026	9365	60.49	8.98	6.99	7.68	0.00	<20.0
14.02.2026	15.02.2026	9399	50.41	14.55	7.13	8.87	6.56	<20.0
20.02.2026	21.02.2026	9560	55.75	9.68	10.37	10.77	8.96	<20.0
21.02.2026	22.02.2026	9582	51.76	12.39	8.48	9.07	4.88	<20.0
27.02.2028	28.02.2026	9771	48.64	14.90	7.74	8.28	0.00	<20.0
28.02.2026	01.03.2026	9801	51.59	11.21	7.70	8.41	3.72	<20.0
Average			52.71	12.69	8.12	8.90	3.47	<20.0
Limits for Industrial, Residential, Rural, and other Areas			100	60	80	80	180	400
			24 hrs.	24 hrs.	24 hrs.	24 hrs.	1hr*	24 hrs.

Note: * Parameters were monitored for a period of 1 hr.

INFERENCE As per NAAQMS Standards (2009),
 Report Status: - Measured Values for the above parameters are within the limit.

****End of the Report****

Samreen P
 Analysed By
 Samreen P
 Chemist

S. Venkatesh
 Verified By
 S. Venkatesh
 Asst. General Manager

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ANNEXURE-02
GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vyasanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka

Customer Reference : Workorder No.4200011817 Dated:20.08.2025

Sample collected by : Global Environment & Mining Services LLP

Discipline : Chemical

Group : Atmospheric Pollution

Sample Type : Ambient Air Quality Monitoring

Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler

Month : **FEBRUARY-2026**

Location : **A2 - Existing Water Reservoir (Near WTP Plant)**

Report Issued Date : **02.03.2026**

Report Number : **GEMS/SMIOR/2025-26/4182**

Parameters			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	Benzene (C ₆ H ₆), µg/ m ³
Reference Method			IS 5182 (Part 22): 2004(RA 2014)	IS 5182 (Part 26): 2020	GEMS /SOP/87	IS 5182 (Part XII) 2006(RA 2017)	GEMS/SOP/86	IS 5182 (Part XI) 2006(RA 2017)
Date of Sampling	Date of Sampling	Sample Code	Result	Result	Result	Result	Result	Result
06.02.2026	07.02.2026	9129	<0.01	<0.1	<0.5	<0.5	0.13	<1.0
07.02.2026	08.02.2026	9177	<0.01	<0.1	<0.5	<0.5	0.12	<1.0
13.02.2026	14.02.2026	9365	0.16	<0.1	<0.5	<0.5	0.14	<1.0
14.02.2026	15.02.2026	9399	0.12	<0.1	<0.5	<0.5	0.14	<1.0
20.02.2026	21.02.2026	9560	<0.01	<0.1	<0.5	<0.5	0.16	<1.0
21.02.2026	22.02.2026	9582	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
27.02.2028	28.02.2026	9771	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
28.02.2026	01.03.2026	9801	<0.01	<0.1	<0.5	<0.5	0.11	<1.0
Average			0.14	<0.1	<0.5	<0.5	0.13	<1.0
Limits for Industrial, Residential, Rural, and other Areas			1.0 24 hrs.	20 Annual	6 Annual	1 Annual	4 1 hr.	5 Annual

Note: * Parameters were monitored for a period of 1 hr.

INFERENCE	As per NAAQMS Standards (2009), Report Status: - Measured Values for the above parameters are within the limit.
-----------	--

****End of the Report****

Analysed By
Samreen P
Chemist

Verified By
S. Venkatesh
Asst. General Manager

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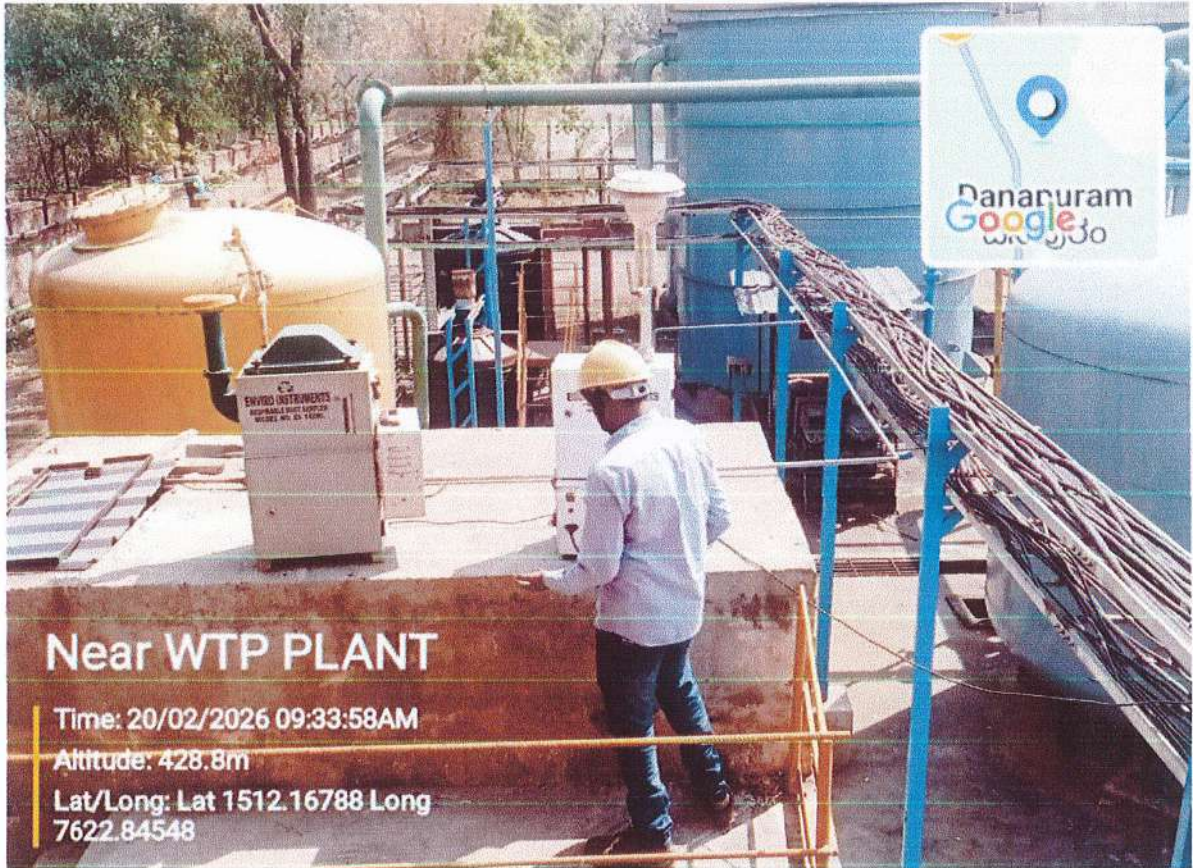
AMBIENT AIR QUALITY FEBRUARY - 2026



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ANNEXURE-03
 GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
 (Metal & Ferro Alloys Plant), Vyanakere,
 Hanumanahalli Village, Hospet Taluk,
 Vijayanagara Dist., Karnataka

Customer Reference : Workorder No.4200011817 Dated:20.08.2025

Sample collected by : Global Environment & Mining Services LLP

Discipline : Chemical

Group : Atmospheric Pollution

Sample Type : Ambient Air Quality Monitoring

Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler

Month : **FEBRUARY-2026**

Location : **A3-Galemmanagudi Village**

Duration of Monitoring : 24 Hour

Report Issue Date : **02.03.2026**

Report Number : **ULR-TC1618025000004183F**

RESULTS

Parameters			PM ₁₀ [µg/m ³]	PM _{2.5} [µg/m ³]	SO ₂ [µg/m ³]	NO ₂ [µg/m ³]	Ozone* (O ₃), [µg/m ³]	Ammonia (NH ₃) [µg/m ³]
Reference Method			IS:5182: 2006 (Part-23) (RF-2017)	IS 5182 (Part 24): 2019 (RF- 2024)	IS:5182: 2001 (Part-2) Sec 1:2023	IS :5182: (Part-6) 2006 (RF-2017)	IS 5182 (Part 9): 1974	IS 5182 (Part 25) 2018
Date of Sampling	Date of Sample Received	Sample Code	Result	Result	Result	Result	Result	Result
06.02.2026	07.02.2026	9130	55.84	12.14	10.43	10.52	0.0	<20.0
07.02.2026	08.02.2026	9178	58.62	11.92	13.69	14.42	0.00	<20.0
13.02.2026	14.02.2026	9366	51.37	13.48	12.01	12.62	0.00	<20.0
14.02.2026	15.02.2026	9400	61.95	15.72	13.18	14.47	0.00	<20.0
20.02.2026	21.02.2026	9561	53.46	11.23	13.25	11.94	0.00	<20.0
21.02.2026	22.02.2026	9583	49.88	10.94	7.70	14.85	0.00	<20.0
27.02.2028	28.02.2026	9772	59.74	14.36	9.90	9.69	0.00	<20.0
28.02.2026	01.03.2026	9802	50.92	12.67	8.94	9.74	0.00	<20.0
Average			55.22	12.81	11.14	12.28	0.00	<20.0
Limits for Industrial, Residential, Rural, and other Areas			100	60	80	80	180	400
			24 hrs.	24 hrs.	24 hrs.	24 hrs.	1hr*	24 hrs.

Note: * Parameters were monitored for a period of 1 hr.

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 Report Status: - Measured Values for the above parameters are within the limit.

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Samreen P
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 Chemist

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GLOBAL ENVIRONMENT & MINING SERVICES LLP

(Consulting Engineers, Mine designers, Geologist & Surveyors)

3rd Main Road, Basaveswara Badavane,

HOSAPETE - 583201, Dist., Vijayanagara (Karnataka)

Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslip.in

ANNEXURE-03
GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vyasankere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka

Customer Reference : Workorder No.4200011817 Dated:20.08.2025

Sample collected by : Global Environment & Mining Services LLP

Discipline : Chemical

Group : Atmospheric Pollution

Sample Type : Ambient Air Quality Monitoring

Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler

Month : **FEBRUARY-2026**

Location : **A3-Galemmanagudi Village**

Report Issued Date : **02.03.2026**

Report Number : **GEMS/SMIORE/2025-26/4183**

Parameters			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	Benzene (C ₆ H ₆), µg/m ³
Reference Method			IS 5182 (Part 22): 2004(RA 2014)	IS 5182 (Part 26): 2020	GEMS /SOP/87	IS 5182 (Part XII) 2006(RA 2017)	GEMS/SOP/86	IS 5182 (Part XI) 2006(RA 2017)
Date of Sampling	Date of Sampling	Sample Code	Result	Result	Result	Result	Result	Result
06.02.2026	07.02.2026	9130	<0.01	<0.1	<0.5	<0.5	0.21	<1.0
07.02.2026	08.02.2026	9178	<0.01	<0.1	<0.5	<0.5	0.17	<1.0
13.02.2026	14.02.2026	9366	<0.01	<0.1	<0.5	<0.5	0.13	<1.0
14.02.2026	15.02.2026	9400	<0.01	<0.1	<0.5	<0.5	0.14	<1.0
20.02.2026	21.02.2026	9561	<0.01	<0.1	<0.5	<0.5	0.14	<1.0
21.02.2026	22.02.2026	9583	<0.01	<0.1	<0.5	<0.5	0.20	<1.0
27.02.2028	28.02.2026	9772	<0.01	<0.1	<0.5	<0.5	0.13	<1.0
28.02.2026	01.03.2026	9802	<0.01	<0.1	<0.5	<0.5	0.16	<1.0
Average			<0.01	<0.1	<0.5	<0.5	0.16	<1.0
Limits for Industrial, Residential, Rural, and other Areas			1.0 24 hrs.	20 Annual	6 Annual	1 Annual	4 1 hr.	5 Annual

Note: * Parameters were monitored for a period of 1 hr.

INFERENCE	As per NAAQMS Standards (2009), Report Status: - Measured Values for the above parameters are within the limit.
-----------	--

End of the Report

Samreen P
Analysed By
Samreen P
Chemist

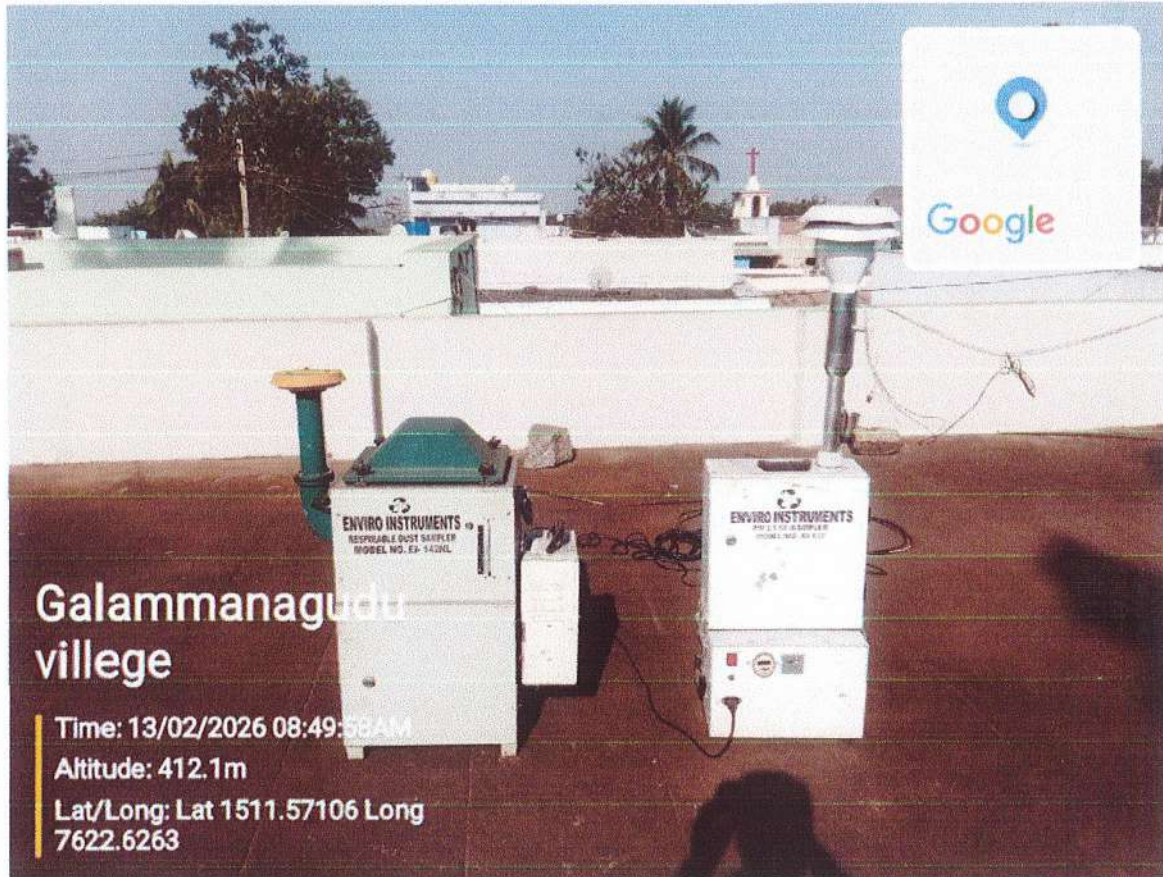
S. Venkatesh
Verified by
S. Venkatesh
Asst. General Manager
Global Environment & Mining Services LLP

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AMBIENT AIR QUALITY FEBRUARY - 2026



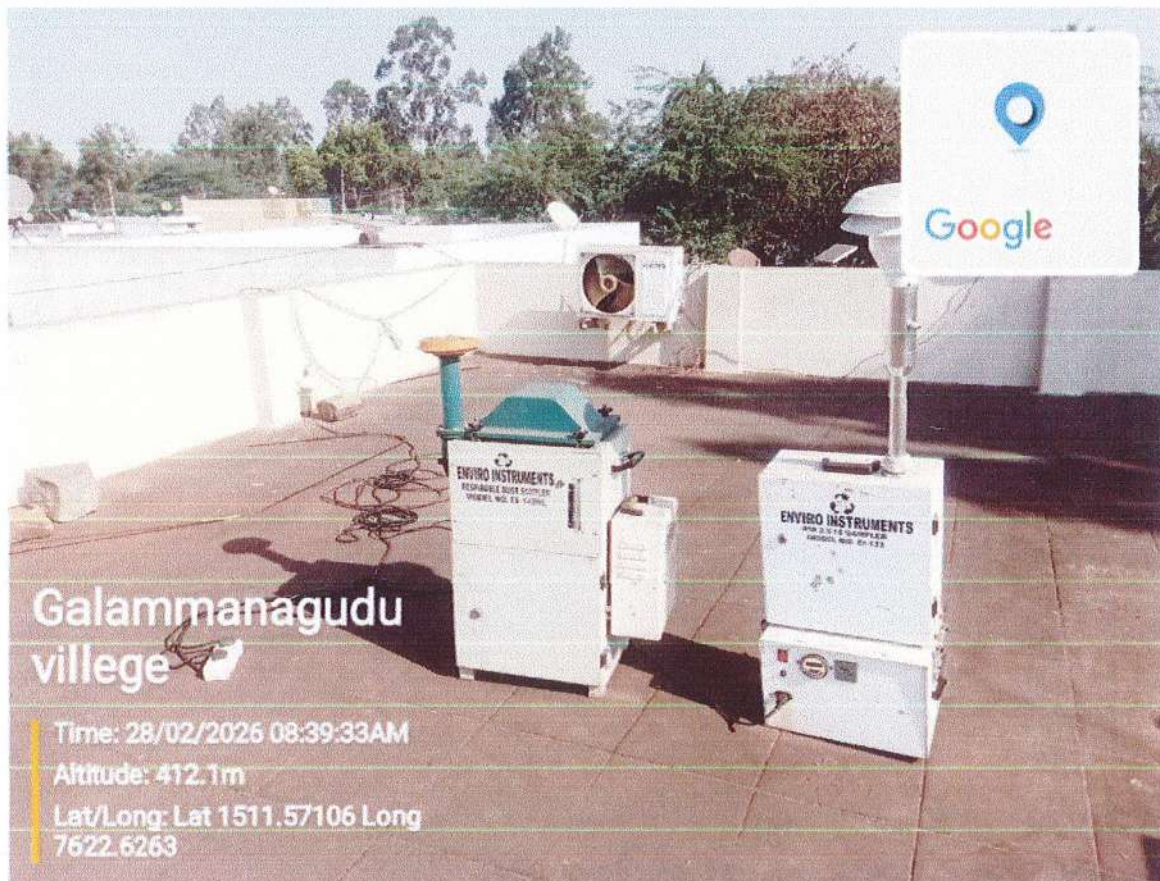
AMBIENT AIR QUALITY FEBRUARY - 2026



AMBIENT AIR QUALITY FEBRUARY - 2026



AMBIENT AIR QUALITY FEBRUARY - 2026





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 Ph : 08394 355369
 e-mail : gems_hpt@yahoo.com
 Website : www.gemslip.in



TC-16180

ANNEXURE-04
GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
 (Metal & Ferro Alloys Plant), Vyanakere,
 Hanumanahalli Village, Hospet Taluk,
 Vijayanagara Dist., Karnataka
 Customer Reference : Work order No. 4200011817 Dated: 20.08.2025
 Sample collected by : Global Environment & Mining Services LLP
 Discipline : Chemical
 Group : Atmospheric Pollution
 Sample Type : Ambient Air Quality Monitoring
 Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler
 Month : **FEBRUARY-2026**
 Location : **A4 - Near Plant Railway Siding**
 Duration of Monitoring : 24 Hour
 Report Issue Date : **02.03.2026**
 Report Number : **ULR-TC16180250000004184F**

RESULTS

Parameters			PM ₁₀ [µg/m ³]	PM _{2.5} [µg/m ³]	SO ₂ [µg/m ³]	NO ₂ [µg/m ³]	Ozone* (O ₃) [µg/m ³]	Ammonia (NH ₃) [µg/m ³]
Reference Method			IS:5182: 2006 (Part-23) (RF-2017)	IS 5182 (Part 24): 2019 (RF- 2024)	IS:5182: 2001 (Part-2) Sec 1:2023	IS :5182: (Part-6) 2006 (RF-2017)	IS 5182 (Part 9): 1974	IS 5182 (Part 25) 2018
Date of Sampling	Date of Sample Received	Sample Code	Result	Result	Result	Result	Result	Result
06.02.2026	07.02.2026	9131	53.92	11.86	8.29	8.36	6.39	<20.0
07.02.2026	08.02.2026	9179	59.01	11.65	6.66	8.49	0.00	<20.0
13.02.2026	14.02.2026	9367	49.52	13.10	8.00	9.64	5.24	<20.0
14.02.2026	15.02.2026	9401	63.31	16.89	6.64	7.81	0.00	<20.0
20.02.2026	21.02.2026	9562	52.12	10.86	7.19	8.93	6.83	<20.0
21.02.2026	22.02.2026	9584	50.61	10.49	7.67	9.78	9.34	<20.0
27.02.2026	28.02.2026	9773	60.55	15.10	8.71	8.92	6.21	<20.0
28.02.2026	01.03.2026	9803	48.75	12.59	9.42	9.56	3.66	<20.0
Average			54.72	12.82	7.82	8.94	4.70	<20.0
Limits for Industrial, Residential, Rural, and other Areas			100	60	80	80	180	400
			24 hrs.	24 hrs.	24 hrs.	24 hrs.	1hr*	24 hrs.

Note: * Parameters were monitored for a period of 1 hr.

INFERENCE As per NAAQMS Standards (2009),
 Report Status: - Measured Values for the above parameters are within the limit.

****End of the Report****

Samreen P
 Analysed By
 Samreen P
 Chemist

S. Venkatesh
 Verified By
 S. Venkatesh
 Asst. General Manager

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
- Water Samples will be destroyed after 7Days, Waste Water After Analysis Discard the Samples, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 days.
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Website : www.gemslip.in

ANNEXURE-04
GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vyasanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka

Customer Reference : Workorder No.4200011817 Dated:20.08.2025

Sample collected by : Global Environment & Mining Services LLP

Discipline : Chemical

Group : Atmospheric Pollution

Sample Type : Ambient Air Quality Monitoring

Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler

Month : **FEBRUARY-2026**

Location : **A4 - Near Plant Railway Siding**

Report Issued Date : **02.03.2026**

Report Number : **GEMS/SMI0RE/2025-26/4184**

Parameters			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	Benzene (C ₆ H ₆), µg/ m ³
Reference Method			IS 5182 (Part 22): 2004(RA 2014)	IS 5182 (Part 26): 2020	GEMS /SOP/87	IS 5182 (Part XII) 2006(RA 2017)	GEMS/SOP/86	IS 5182 (Part XI) 2006(RA 2017)
Date of Sampling	Date of Sampling	Sample Code	Result	Result	Result	Result	Result	Result
06.02.2026	07.02.2026	9131	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
07.02.2026	08.02.2026	9179	<0.01	<0.1	<0.5	<0.5	0.14	<1.0
13.02.2026	14.02.2026	9367	<0.01	<0.1	<0.5	<0.5	0.13	<1.0
14.02.2026	15.02.2026	9401	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
20.02.2026	21.02.2026	9562	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
21.02.2026	22.02.2026	9584	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
27.02.2028	28.02.2026	9773	<0.01	<0.1	<0.5	<0.5	0.12	<1.0
28.02.2026	01.03.2026	9803	<0.01	<0.1	<0.5	<0.5	0.17	<1.0
Average			0.12	<0.1	<0.5	<0.5	0.14	<1.0
Limits for Industrial, Residential, Rural, and other Areas			1.0 24 hrs.	20 Annual	6 Annual	1 Annual	4 1 hr.	5 Annual

Note: * Parameters were monitored for a period of 1 hr.

INFERENCE	As per NAAQMS Standards (2009), Report Status: - Measured Values for the above parameters are within the limit.
-----------	--

End of the Report

Analysed By
Samreen P
Chemist

Verified by
S. Venkatesh
Asst. General Manager

- Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

AMBIENT AIR QUALITY FEBRUARY - 2026



AMBIENT AIR QUALITY FEBRUARY - 2026



AMBIENT AIR QUALITY FEBRUARY - 2026



AMBIENT AIR QUALITY FEBRUARY - 2026





GLOBAL ENVIRONMENT & MINING SERVICES LLP

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Website : www.gemslp.in



TC-16180

ANNEXURE-5
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- 1 Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vyasanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka
- 2 Customer Reference : Workorder No.4200011817 Dated:20.08.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Stack Kit (Greentech Instruments)
Sl. No: Stack Monitoring Kit/ 114-DTG-2016
- 5 Instrument Details : Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Sampling Location : **Stack Attached to Furnace - 3**
- 10 Month of Sampling : **FEBRUARY-2026**
- 11 Date of Monitoring : **20.02.2026**
- 12 Date of Sample Received : 20.02.2026
- 13 Sample Code : **9563**
- 14 Date of Sample Analysis : 21.02.2026
- 15 Date of Sample Analysis completion : 23.02.2026
- 16 Report Number : **ULR-TC1618025000004342F**
- 17 Report Issued Date : **02.03.2026**

Stack Details

- 1 Fuel Used -
- 2 Stack Height (m) 35
- 3 Stack Diameter (m) 2.5
4. Cross Sectional Area (m²) 4.909

Emission Details

Sl. No.	Parameters	Method	Unit	Result	Permissible Limit
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	31	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	90	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	9.66	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	170727	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	138782	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	93.28	150
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm ³	13.0	-
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	22.6	-
9	Carbon Monoxide	GEMS/SOP/69	%	0.039	-
10	Oxygen (O ₂)	GEMS/SOP/70	%	18.54	-

Note: NS- Not Specified, RA: Reaffirmed, INFERENCE: The Measured Values are within the limits.

****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Verified By
S. Venkatesh
Asst. General Manager
Global Environment & Mining Services
HOSAPETE

Note:

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Water Samples will be destroyed after 7Days, Waste Water After Analysis Discard the Samples, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 days.
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STACK FEBRUARY - 2026



Stack Attached to Furnace-3

Time: 20/02/2026 10:37:21AM

Altitude: 446.9m

Lat/Long: Lat 1511.91438 Long
7622.845



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Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



TC-16180

ANNEXURE-6
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- 1 Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vyasanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka
- 2 Customer Reference : Workorder No.4200011817 Dated:20.08.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Stack Kit (Greentech Instruments)
Sl. No: Stack Monitoring Kit/ 114-DTG-2016
- 5 Instrument Details : Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Sampling Location : **Stack Attached to Furnace - 5**
- 10 Month of Sampling : **FEBRUARY-2026**
- 11 Date of Monitoring : **20.02.2026**
- 12 Date of Sample Received : 20.02.2026
- 13 Sample Code : **9564**
- 14 Date of Sample Analysis : 21.02.2026
- 15 Date of Sample Analysis completion : 23.02.2026
- 16 Report Number : **ULR-TC1618025000004343F**
- 17 Report Issued Date : **02.03.2026**

Stack Details

- 1 Fuel Used -
- 2 Stack Height (m) 35
- 3 Stack Diameter (m) 3.0
4. Cross Sectional Area (m²) 7.071

Emission Details

Sl. No.	Parameters	Method	Unit	Result	Permissible Limit
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	30	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	105	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	10.88	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	279281	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	221421	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	89.02	150
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm ³	20.56	-
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	47.0	-
9	Carbon Monoxide	GEMS/SOP/69	%	0.041	-
10	Oxygen (O ₂)	GEMS/SOP/70	%	20.84	-

Note: NS- Not Specified, RA: Reaffirmed, INFERENCE: The Measured Values are within the limits.

****End of the Report****

Analysed By
Samreen P
Chemist

Verified By
S. Venkatesh
Asst. General Manager

Note:

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Water Samples will be destroyed after 7Days, Waste Water After Analysis Discard the Samples, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 days.
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STACK FEBRUARY - 2026



**Stack Attached to
Furnace -5**

Time: 20/02/2026 12:53:13PM

Altitude: 464.7m

Lat/Long: Lat 1511.9091 Long



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Website : www.gemslp.in



TC-16180

ANNEXURE-7
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | M/s. The Sandur Manganese & Iron Ores Ltd.
(Metal & Ferro Alloys Plant), Vyasanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka |
| 2 | Customer Reference | : | Workorder No.4200011817 Dated:20.08.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Stack Kit (Greentech Instruments)
Sl. No: Stack Monitoring Kit/ 114-DTG-2016 |
| 5 | Instrument Details | : | Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026 |
| 6 | Discipline | : | Chemical |
| 7 | Group | : | Atmospheric Pollution |
| 8 | Sample Type | : | Stack Monitoring |
| 9 | Sampling Location | : | Stack Attached to WHRB-01 |
| 10 | Month of Sampling | : | FEBRUARY-2026 |
| 11 | Date of Monitoring | : | 21.02.2026 |
| 12 | Date of Sample Received | : | 21.02.2026 |
| 13 | Sample Code | : | 9585 |
| 14 | Date of Sample Analysis | : | 23.02.2026 |
| 15 | Date of Sample Analysis completion | : | 24.02.2026 |
| 16 | Report Number | : | ULR-TC1618025000004353F |
| 17 | Report Issued Date | : | 02.03.2026 |

Stack Details

- | | | |
|---|--|-------|
| 1 | Fuel Used | - |
| 2 | Stack Height (m) | 60 |
| 3 | Stack Diameter (m) | 4.6 |
| 4 | Cross Sectional Area (m ²) | 16.62 |

Emission Details

Sl. No.	Parameters	Method	Unit	Result	Permissible Limit
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	147	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	6.23	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	203510	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	143039	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	38.73	50
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm ³	317.82	800
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	140.6	500
9	Carbon Monoxide	GEMS/SOP/69	%	0.21	Max1%
10	Oxygen (O ₂)	GEMS/SOP/70	%	14.96	-

Note: NS- Not Specified, RA: Reaffirmed, **INFERENCE: The Measured Values are within the limits.**

****End of the Report****

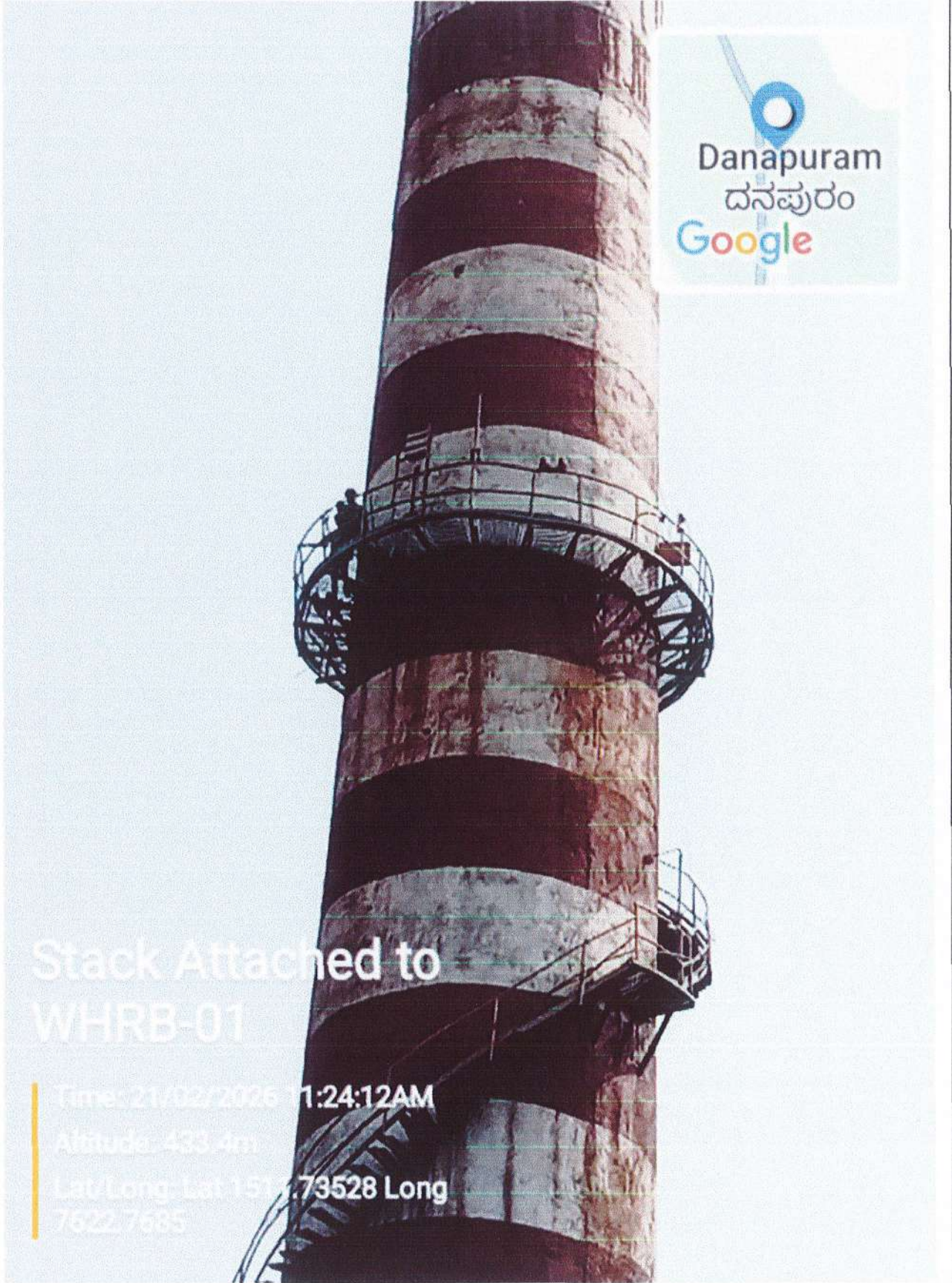
Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Verified by
S. Venkatesh
Asst. General Manager
Global Environment & Mining Services
HOSAPETE

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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STACK FEBRUARY - 2026



Stack Attached to
WHRB-01

Time: 21/02/2026 11:24:12AM

Altitude: 433.4m

Lat/Long: Lat 15.1773528 Long
76.227685



GEMS



NABET

GLOBAL ENVIRONMENT & MINING SERVICES LLP

(Consulting Engineers, Mine designers, Geologist & Surveyors)

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Website : www.gemslp.in



TC-16180

ANNEXURE-8
GEMS-LD/TF/10/01**Analysis Report of Stack Emission**

- 1 Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vyasanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist, Karnataka
- 2 Customer Reference : Workorder No.4200011817 Dated:20.08.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Stack Kit (Greentech Instruments)
Sl. No: Stack Monitoring Kit/ 114-DTG-2016
- 5 Instrument Details : Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Sampling Location : **Stack Attached to WHRB-02**
- 10 Month of Sampling : **FEBRUARY-2026**
- 11 Date of Monitoring : -
- 12 Date of Sample Received : -
- 13 Sample Code : -
- 14 Date of Sample Analysis : -
- 15 Date of Sample Analysis completion : -
- 16 Report Number : -
- 17 Report Issued Date : **02.03.2026**

Stack Details

- 1 Fuel Used -
- 2 Stack Height (m) 60
- 3 Stack Diameter (m) 4.6
- 4 Cross Sectional Area (m²) 16.62

Emission Details

Sl. No.	Parameters	Method	Unit	Result	Permissible Limit
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	Shutdown	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C		-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec		-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr		-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr		-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³		50
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm ³		800
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³		500
9	Carbon Monoxide	GEMS/SOP/69	%		Max1%
10	Oxygen (O ₂)	GEMS/SOP/70	%		-

Note: NS- Not Specified, RA: Reaffirmed, **INFERENCE:******End of the Report****

S. Venkatesh
Verified By
S. Venkatesh
Asst. General Manager

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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GLOBAL ENVIRONMENT & MINING SERVICES LLP

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Ph : 08394 355369

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Website : www.gemslp.in



TC-16180

ANNEXURE-09
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- 1 Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vyasankere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka
- 2 Customer Reference : Workorder No.4200011817 Dated:20.08.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Stack Kit (Greentech Instruments)
Sl. No: Stack Monitoring Kit/ 114-DTG-2016
- 5 Instrument Details : Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Sampling Location : **Stack Attached to Coal Crushing**
- 10 Month of Sampling : **FEBRUARY-2026**
- 11 Date of Monitoring : 27.02.2026
- 12 Date of Sample Received : 27.02.2026
- 13 Sample Code : 9774
- 14 Date of Sample Analysis : 28.02.2026
- 15 Date of Sample Analysis completion : 01.03.2026
- 16 Report Number : **ULR-TC1618025000004460F**
- 17 Report Issued Date : **02.03.2026**

Stack Details

- | | | |
|---|--|--------|
| 1 | Fuel Used | - |
| 2 | Stack Height (m) | 15 |
| 3 | Stack Diameter (m) | 0.7 |
| 4 | Cross Sectional Area (m ²) | 0.3850 |

Emission Details

Sl. No.	Parameters	Method	Unit	Result	Permissible Limit
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	32	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.43	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	7520	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	7104	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	36.31	50

Note: NS- Not Specified, RA: Reaffirmed, INFERENCE: The Measured Values are within the limits.

****End of the Report****

Sameen P
Analysed By
Sameen P
Chemist

S. Venkatesh
Verified By
S. Venkatesh
Asst. General Manager
GLOBAL ENVIRONMENT & MINING SERVICES
HOSPET

Note:

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Water Samples will be destroyed after 7Days, Waste Water After Analysis Discard the Samples, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 days.
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
4. Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.
5. Recognised by Ministry of Environment, Forest, and Climate Change for Laboratory
6. Recognised by Government of Karnataka, Maharashtra, Goa for DGPS survey

STACK FEBRUARY - 2026



Stack Attached to Coal Crushing

Time: 27/02/2026 10:59:49AM

Altitude: 429.9m

Lat/Long: Lat 1511.68224 Long
7622.84038



GEMS



NABET

GLOBAL ENVIRONMENT & MINING SERVICES LLP

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Website : www.gemslip.in



TC-16180

ANNEXURE-10
GEMS-LD/TF/10/01**Analysis Report of Stack Emission**

- 1 Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vyasnakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka
- 2 Customer Reference : Workorder No.4200011817 Dated:20.08.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Stack Kit (Greentech Instruments)
Sl. No: Stack Monitoring Kit/ 114-DTG-2016
- 5 Instrument Details : Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Sampling Location : **Stack Attached to Coke Cutter**
- 10 Month of Sampling : **FEBRUARY-2026**
- 11 Date of Monitoring : 27.02.2026
- 12 Date of Sample Received : 27.02.2026
- 13 Sample Code : 9775
- 14 Date of Sample Analysis : 28.02.2026
- 15 Date of Sample Analysis completion : 01.03.2026
- 16 Report Number : **ULR-TC1618025000004461F**
- 17 Report Issued Date : **02.03.2026**

Stack Details

- 1 Fuel Used -
- 2 Stack Height (m) 15
- 3 Stack Diameter (m) 0.7
4. Cross Sectional Area (m²) 0.3850

Emission Details

Sl. No.	Parameters	Method	Unit	Result	Permissible Limit
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	34	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.77	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	7994	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	7532	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	33.71	50

Note: NS- Not Specified, RA: Reaffirmed, **INFERENCE: The Measured Values are within the limits.******End of the Report****

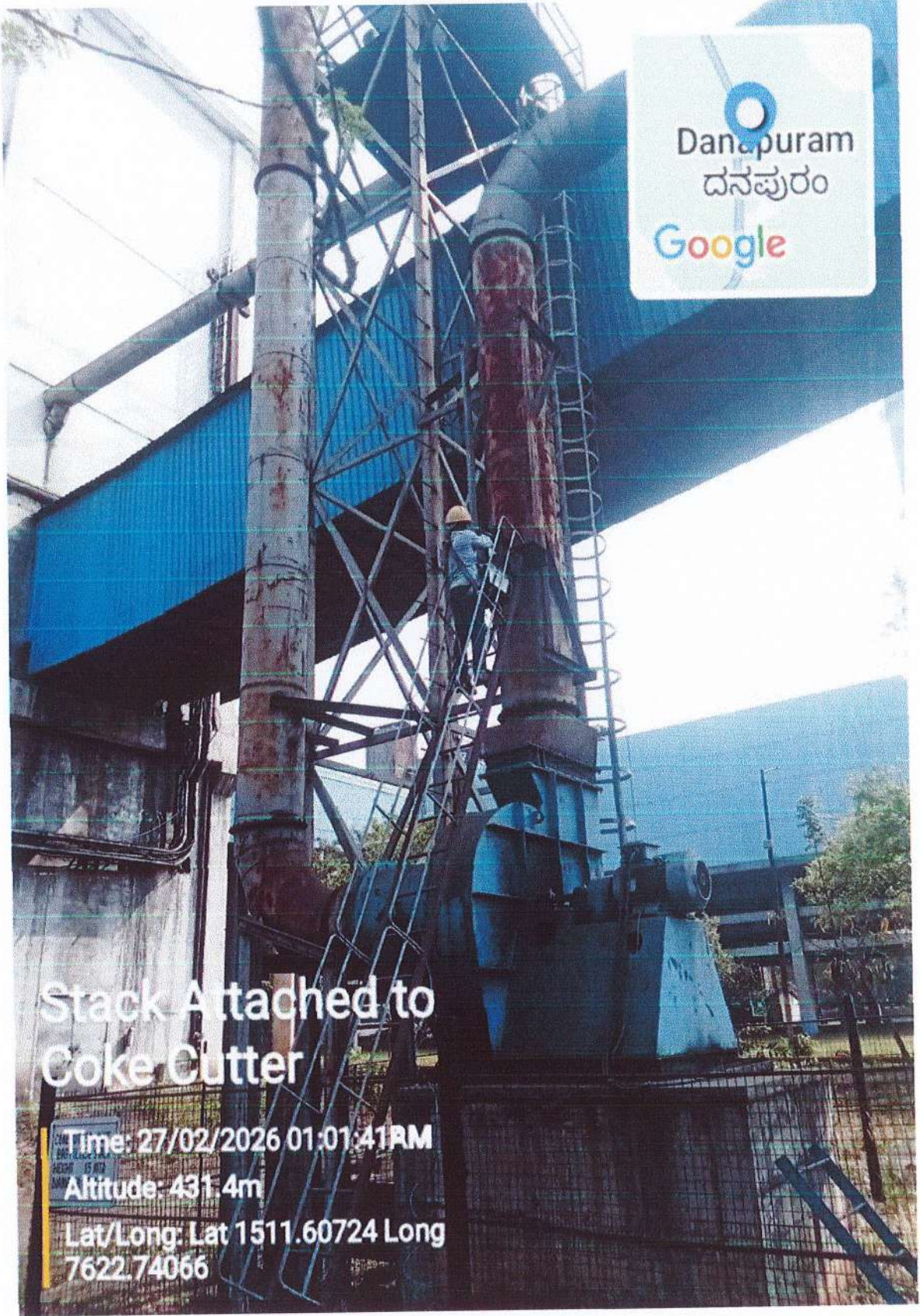
Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Verified By
S. Venkatesh
Asst. General Manager
GLOBAL ENVIRONMENT & MINING SERVICES *
HOSAPETE

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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STACK FEBRUARY - 2026



Danapuram
ದನಪುರಂ
Google

Stack Attached to
Coke Cutter

Time: 27/02/2026 01:01:41AM
Altitude: 431.4m
Lat/Long: Lat 1511.60724 Long
7622.74066



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 Website : www.gemslp.in



TC-16180

ANNEXURE-11
 GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | |
|----|------------------------------------|---|
| 1 | Name of the Industry | : M/s. The Sandur Manganese & Iron Ores Ltd.
(Metal & Ferro Alloys Plant), Vyasanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka |
| 2 | Customer Reference | : Workorder No.4200011817 Dated:20.08.2025 |
| 3 | Sample collected by | : Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : Stack Kit (Greentech Instruments)
Sl. No: Stack Monitoring Kit/ 114-DTG-2016 |
| 5 | Instrument Details | : Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026 |
| 6 | Discipline | : Chemical |
| 7 | Group | : Atmospheric Pollution |
| 8 | Sample Type | : Stack Monitoring |
| 9 | Sampling Location | : Stack Attached to Coke Screening & Store |
| 10 | Month of Sampling | : FEBRUARY-2026 |
| 11 | Date of Monitoring | : 27.02.2026 |
| 12 | Date of Sample Received | : 27.02.2026 |
| 13 | Sample Code | : 9776 |
| 14 | Date of Sample Analysis | : 28.02.2026 |
| 15 | Date of Sample Analysis completion | : 01.03.2026 |
| 16 | Report Number | : ULR-TC1618025000004462F |
| 17 | Report Issued Date | : 02.03.2026 |

Stack Details

- | | | |
|---|--------------------------------------|--------|
| 1 | Fuel Used | - |
| 2 | Stack Height (m) | 15 |
| 3 | Stack Diameter (m) | 0.7 |
| 4 | Cross Sectional Area in meter square | 0.3850 |

Emission Details

Sl. No.	Parameters	Method	Unit	Result	Permissible Limit
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	30	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	37	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.73	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	7937	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	7369	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	38.55	50

Note: NS- Not Specified, RA: Reaffirmed, **INFERENCE: The Measured Values are within the limits.**

****End of the Report****

Analysed By
 Samreen P
 Chemist

Verified By
 S. Venkatesh
 Asst. General Manager

Note:

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STACK FEBRUARY - 2026



Dandapuram
ದನಪುರಂ

Google

Stack Attached to
Coke Screening &
Store

Time: 27/02/2026 02:55:17P

Altitude: 430.3m

Lat/Long: Lat 15.11.50518 Long

76.22.72.26



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 e-mail : gems_hpt@yahoo.com
 Website : www.gemslp.in



ANNEXURE-12
GEMS-LD/TF/08/01

AMBIENT NOISE LEVEL MONITORING REPORT

Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
 (Metal & Ferro Alloys Plant), Vysanakere,
 Hanumanahalli Village, Hospet Taluk,
 Vijayanagara Dist., Karnataka

Customer Reference : Workorder No.4200011817 Dated:20.08.2025

Sample collected by : Global Environment & Mining Services LLP

Discipline : Chemical

Group : Atmospheric Pollution

Sample Type : Noise Level Monitoring

Particulars of Sample Collected : Lutron: SL- 4023SD
 Sl. No: Q679953

Instrument Details : Date of Calibration:16.12.2025
 Calibration Due Date:15.12.2026

Month : **FEBRUARY-2026**

Duration of the Monitoring : 24 Hrs.

Report Issue Date : **02.03.2026**

Method Adopted : IS 9989-1981 Reaffirmed 2014

Report No : **ULR-TC1618025000004185F**

Sl. No	Location	Date of Monitoring	Noise Level dB (A)							
			Day Time (06.00 Am to 10.00 Pm)			Standard	Night Time (10.00 Pm to 06.00 Am)			Standard
			Min	Max	Avg		Min	Max	Avg	
Industrial Area										
N1	Near Existing AAQMS 01 (SMIORE Schools)	06.02.2026	41.8	58.5	53.9	75	34.9	44.3	39.8	70
N2	Near Water Reservoir (WTP Plant)	07.02.2026	40.5	58.1	53.1		40.2	49.4	46.1	
Residential Area										
N3	Galemanagudi	13.02.2026	46.2	53.3	50.1	55	36.3	44.0	40.7	45
N4	Vysanakere Village	20.02.2026	41.8	53.8	49.3		34.8	40.2	36.3	
N5	Hanumana Halli	14.02.2026	45.3	54.3	51.4		36.2	42.1	38.3	

INFERENCE As per CPCB Standards,
 Report Status: - Measured Values for the above parameters are within the limit.

****End of the Report****

Verified By
 S. Venkatesh
 Asst. General Manager

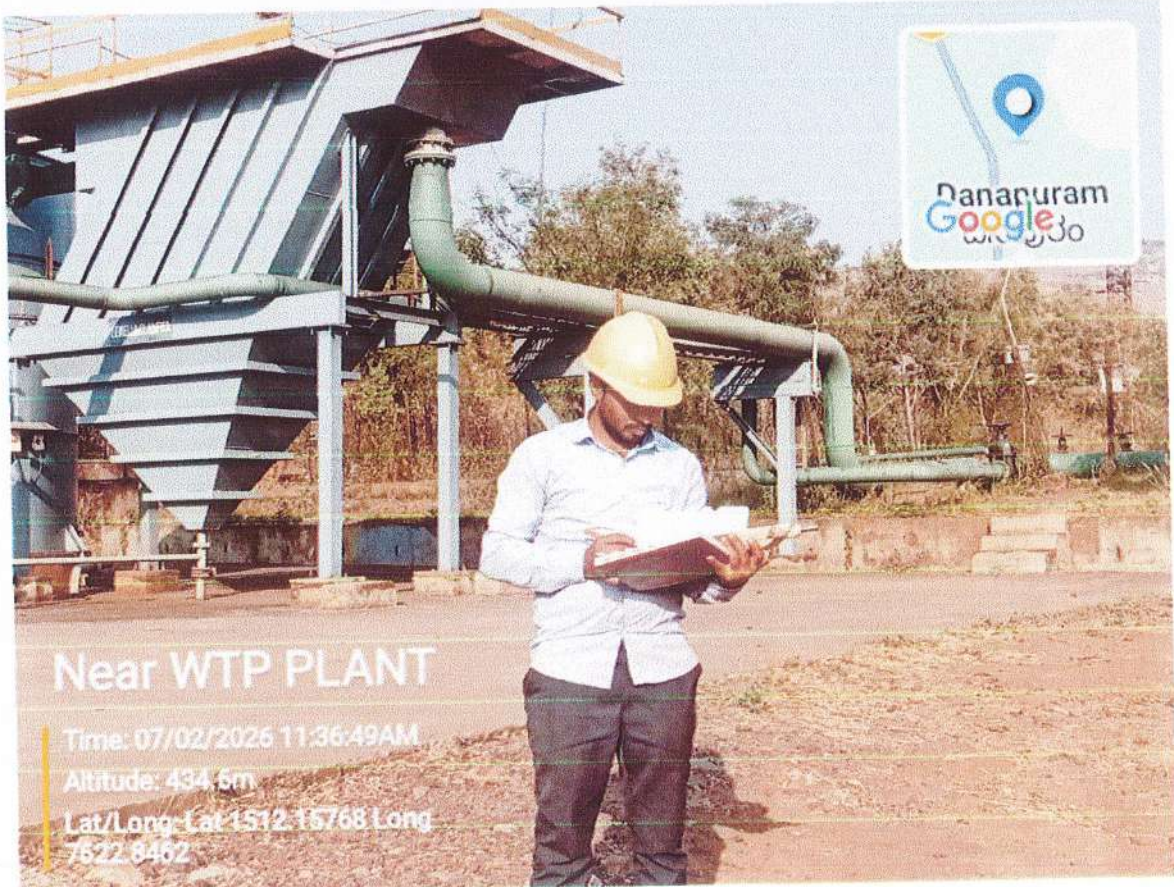
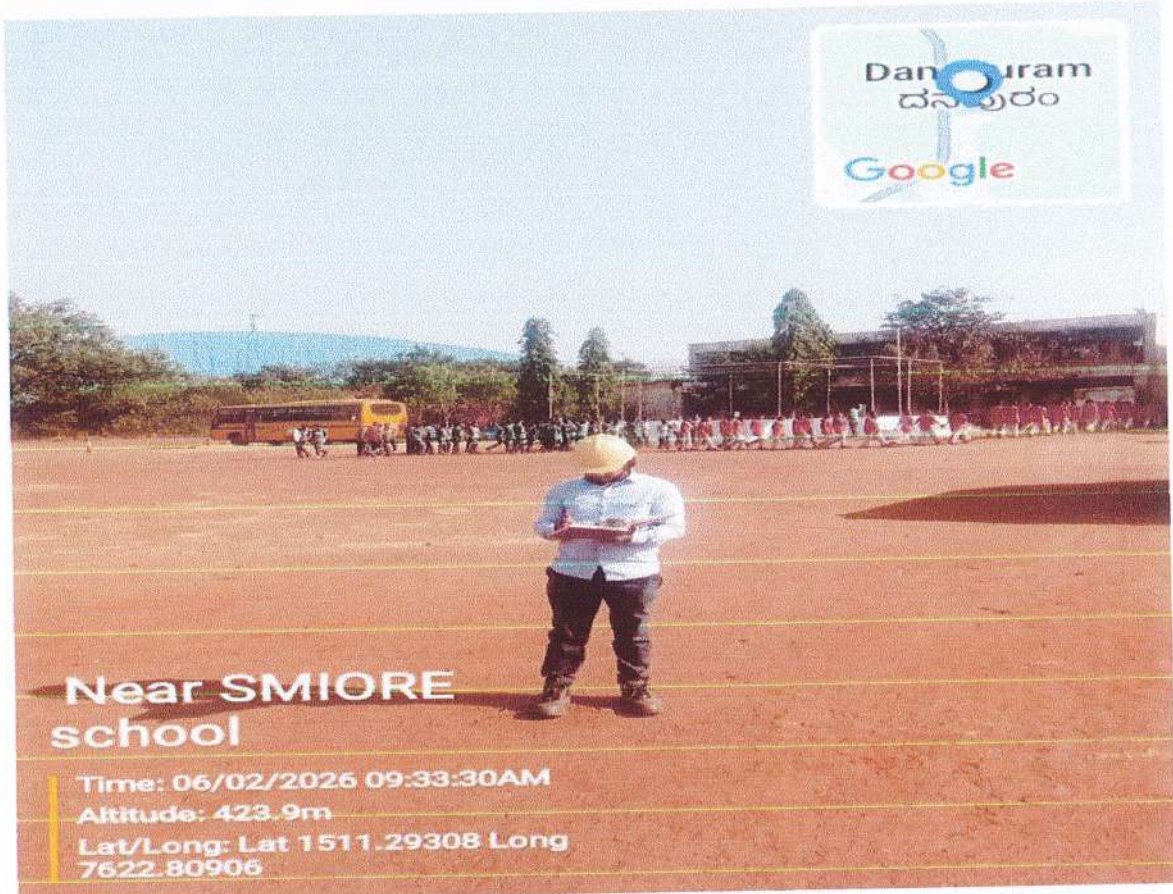
NOISE: (AMBIENT STANDARDS)

Area code	Category of Area	Limit in dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Area	50	40

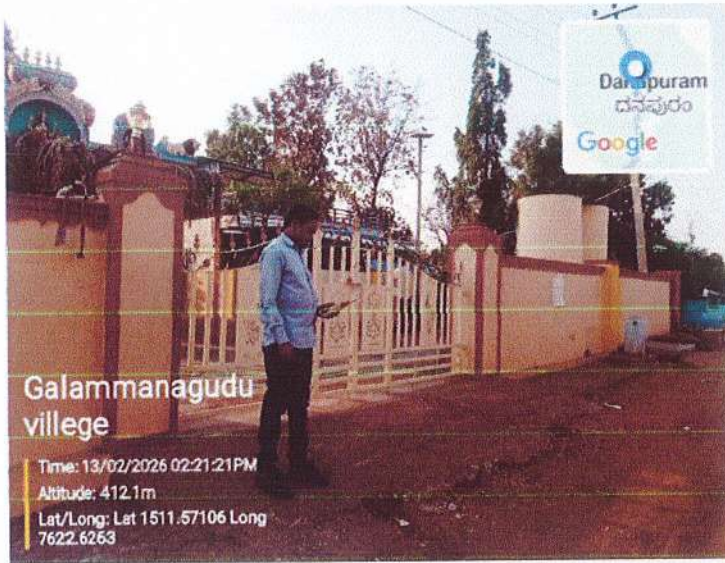
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AMBIENT NOISE FEBRUARY - 2026



AMBIENT NOISE FEBRUARY - 2026





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Ph : 08394 355369
e-mail : gems_hpt@yahoo.com
Website : www.gemslp.in



TC-16180

ANNEXURE-13
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

- 1 Name of the Industry : M/s. The Sandur Manganese & Iron Ores Ltd.
(Metal & Ferro Alloys Plant), Vyasanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka
- 2 Customer Reference : Workorder No.4200011817 Dated:20.08.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Composite Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical
- 7 Group : Pollution & Environment
- 8 Sample Type : Sewage Treatment Plant (Outlet)
- 9 Sample Code : 9586
- 10 Date of Sampling : 21.02.2026
- 11 Sample Received : 23.02.2026
- 12 Date of Analysis : 26.02.2026
- 13 Date of Analysis Completion : 26.02.2026
- 14 Report Issue Date : 02.03.2026
- 15 Report Number : ULR-TC1618025000004354F

Sl. No.	Parameters	Protocol	Unit	Results	As per KSPCB Std
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	8.21	6.5 to 9.0
2.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	5.0	<20
3.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	4.0	<10
4.	Chemical Oxygen Demand as COD	APHA 24th Edition 5220 B: 2023	mg/L	18.14	<50

Note: BDL-Below detectable Limit. INFERENCE: The Measured values are within the Limit.
End of the Report

Analysed By
Samreen P
Chemist

Verified By
S. Venkatesh
Asst. General Manager

Note:

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Water Samples will be destroyed after 7Days, Waste Water After Analysis Discard the Samples, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 days.
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
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Website : www.gemslp.in

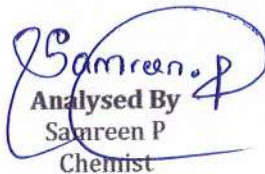
ANNEXURE-13
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

- 1 Name of the Industry : **M/s. The Sandur Manganese & Iron Ores Ltd.**
(Metal & Ferro Alloys Plant), Vysanakere,
Hanumanahalli Village, Hospet Taluk,
Vijayanagara Dist., Karnataka
- 2 Customer Reference : Workorder No.4200011817 Dated:20.08.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Composite Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical
- 7 Group : Pollution & Environment
- 8 Sample Type : **Sewage Treatment Plant (Outlet)**
- 9 Sample Code : **9586**
- 10 Date of Sampling : **21.02.2026**
- 11 Sample Received : **23.02.2026**
- 12 Date of Analysis : **26.02.2026**
- 13 Date of Analysis Completion : **26.02.2026**
14. Report Issue Date : **02.03.2026**
- 15 Report Number : **GEMS/BMMIL/STP/2025-26/4354**

Sl. No.	Parameters	Protocol	Unit	Results	As per KSPCB Std
5	Ammonical nitrogen as N	IS:3025 (part 34)-1988, RA-2023	mg/L	0.32	<5
6	Total Nitrogen as N	IS:3025 (part 34)-1988, RA-2023	mg/L	1.51	<10
7	Fecal coliform	APHA 24th Edition 9222 B :2023	MPN/ 100ml	18	Less than 100

Note: BDL-Below detectable Limit. INFERENCE: The Measured values are within the Limit.


Analysed By
Samreen P
Chemist


Verified by
S. Venkatesh
Asst. General Manager

- Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

STP (OUTLET) WATER QUALITY

