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/2026-27/037 **11/09/2026**

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 **August-2026**

Ref:
1) Addendum to Consent for Operation KSPCB Letter No. PCB/SEO/MIN/2025-26/1343, Dated 08.07.2026
2) CFO No. AW-354428 PCB ID 29470, Dated 18.06.2026

Dear Sir,

We are herewith submitting the Environmental Monitoring Report of M/s The Sandur Manganese & Iron Ores Limited for **August 2026** for your kind perusal.

Kindly acknowledge receipt of the same and oblige.

ಸ್ವೀಕೃತಿ
ಕ.ರಾ.ಮಾ.ನಿ. ಮಂಡಳಿ
ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ ವಿಜಯನಗರ ಜಿಲ್ಲೆ
ಸಂಖ್ಯೆ/ದಿನಾಂಕ: 11/9/26 ಸಹಿ

Thanking you,

For **The Sandur Manganese & Iron Ores Limited**

Parvatareddy Patil
Associate Vice President- Plant

The Sandur Manganese & Iron Ores Limited Vyasanakere

Encl: Environmental Monitoring Report **August-2026**

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 SMIORE **for GLOBAL Environment & Mining Services LLP**

Parvatareddy Patil **S. Venkatesh**

Associate Vice-President- Plant **Asst. General Manager**

Place: Hosapete
Date:04.09.2026

GLOBALENVIRONMENT & 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.gemsllp.in

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:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Location	:	**A1-Near Existing AAQMS 01 (SMIORE School)**
Report Issued Date	:	**04.09.2026**
Report Number	:	**GEMS/SMIORE/NAAQ/2026-27/3062**

RESULTS

Parameters			PM_{10} [µg/m³]	$PM_{2.5}$ [µg/m³]	SO_2 [µg/m³]	NO_2 [µg/m³]	Ozone* (O3), [µg/m³]	Ammonia (NH3) [µg/m³]
Reference Method			IS:5182: 2006 (Part-23) (RF-2017)	IS 5182 (Part 24): 2019 (RF-2024)	IS5182: 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
07.08.2026	08.08.2026	3920	56.05	14.85	10.20	09.75	0.00	<20.0
08.08.2026	09.08.2026	3953	52.11	11.03	11.28	08.35	0.00	<20.0
14.08.2026	15.08.2026	4165	50.87	10.19	10.96	10.98	0.00	<20.0
15.08.2026	16.08.2026	4194	54.65	13.15	09.36	11.49	0.00	<20.0
21.08.2026	22.08.2026	4357	51.12	12.84	10.58	10.24	0.00	<20.0
22.08.2026	23.08.2026	4383	52.89	10.15	08.51	09.56	0.00	<20.0
28.08.2026	29.08.2026	4556	51.63	11.12	09.10	10.14	0.00	<20.0
29.08.2026	30.08.2026	4584	50.22	12.65	08.23	09.03	0.00	<20.0
Average			**52.44**	**11.99**	**9.77**	**9.94**	**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.

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

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

Laxmi B S
Analysed By
Lakshmi B S
Chemist

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 7 Days, 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.
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6. Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey

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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:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Location	:	**A1-Near Existing AAQMS 01 (SMIORE School)**
Report Issued Date	:	**04.09.2026**
Report Number	:	**GEMS/SMIORE/NAAQ/2026-27/3062**

Parameters			Lead (Pb), µg/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Benzene (C_6H_6), µg/m³
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
07.08.2026	08.08.2026	3920	<0.01	<0.1	<0.5	<0.5	0.08	<1.0
08.08.2026	09.08.2026	3953	<0.01	<0.1	<0.5	<0.5	0.07	<1.0
14.08.2026	15.08.2026	4165	<0.01	<0.1	<0.5	<0.5	0.07	<1.0
15.08.2026	16.08.2026	4194	<0.01	<0.1	<0.5	<0.5	0.09	<1.0
21.08.2026	22.08.2026	4357	<0.01	<0.1	<0.5	<0.5	0.06	<1.0
22.08.2026	23.08.2026	4383	<0.01	<0.1	<0.5	<0.5	<0.01	<1.0
28.08.2026	29.08.2026	4556	<0.01	<0.1	<0.5	<0.5	0.06	<1.0
29.08.2026	30.08.2026	4584	<0.01	<0.1	<0.5	<0.5	0.07	<1.0
		Average	<0.01	<0.1	<0.5	<0.5	0.07	<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****

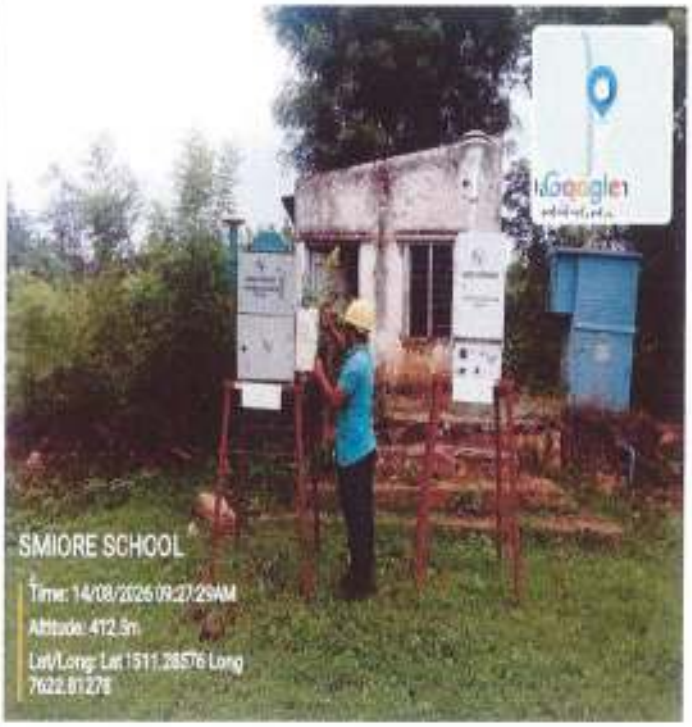
Lakshmi B. S
Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

SMOIRE AUGUST PHOTOS









SMOIRE AUGUST PHOTOS









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(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.gemsllp.in

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:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Location	:	**A2 - Existing Water Reservoir (Near WTP Plant)**
Duration of Monitoring	:	24 Hour
Report Issued Date	:	**04.09.2026**
Report Number	:	**GEMS/SMIORE/NAAQ/2026-27/3063**

RESULTS

Parameters			PM_{10} [µg/m³]	$PM_{2.5}$ [µg/m³]	SO_2 [µg/m³]	NO_2 [µg/m³]	Ozone* (O3), [µg/m³]	Ammonia (NH3) [µg/m³]
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**
07.08.2026	08.08.2026	3921	49.57	13.18	10.62	09.26	3.03	<20.0
08.08.2026	09.08.2026	3954	46.08	12.42	09.89	10.15	1.23	<20.0
14.08.2026	15.08.2026	4166	51.26	10.15	08.32	08.84	0.00	<20.0
15.08.2026	16.08.2026	4195	50.41	11.55	09.98	10.65	2.48	<20.0
21.08.2026	22.08.2026	4358	52.78	12.63	08.21	10.99	1.69	<20.0
22.08.2026	23.08.2026	4384	51.19	13.45	09.45	09.21	4.12	<20.0
28.08.2026	29.08.2026	4557	52.68	10.89	08.36	10.23	6.22	<20.0
29.08.2026	30.08.2026	4585	51.14	11.25	09.20	08.56	4.36	<20.0
Average			**50.63**	**11.94**	**9.25**	**9.73**	**2.89**	**<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****

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

Notes:
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6. Recognized by Government of Karnataka, Maharashtra, Goa for FGPS survey

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Website : www.gemsllp.in

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:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Location	:	**A2 - Existing Water Reservoir (Near WTP Plant)**
Report Issued Date	:	**04.09.2026**
Report Number	:	**GEMS/SMIORE/NAAQ/2026-27/3063**

Parameters			Lead (Pb), µg/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Benzene (C_6H_6), µg/ m³
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
07.08.2026	08.08.2026	3921	<0.01	<0.1	<0.5	<0.5	0.10	<1.0
08.08.2026	09.08.2026	3954	<0.01	<0.1	<0.5	<0.5	0.12	<1.0
14.08.2026	15.08.2026	4166	<0.01	<0.1	<0.5	<0.5	0.11	<1.0
15.08.2026	16.08.2026	4195	<0.01	<0.1	<0.5	<0.5	0.10	<1.0
21.08.2026	22.08.2026	4358	0.13	<0.1	<0.5	<0.5	0.12	<1.0
22.08.2026	23.08.2026	4384	0.15	<0.1	<0.5	<0.5	0.11	<1.0
28.08.2026	29.08.2026	4557	<0.01	<0.1	<0.5	<0.5	0.13	<1.0
29.08.2026	30.08.2026	4585	<0.01	<0.1	<0.5	<0.5	0.10	<1.0
Average			0.14	<0.1	<0.5	<0.5	0.11	<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****

Lakshmi B.S
Analysed By
Lakshmi B S
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

SMOIRE AUGUST PHOTOS









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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), Vyasanakere, Hanumanahalli Village, Hospet Taluk, Vijayanagara Dist., Karnataka
Customer Reference	:	Workorder No:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Location	:	**A3-Galemmanagudi Village**
Duration of Monitoring	:	24 Hour
Report Issue Date	:	**04.09.2026**
Report Number	:	**GEMS/SMIORE/NAAQ/2026-27/3061**

RESULTS

Parameters			PM_{10} [µg/m³]	$PM_{2.5}$ [µg/m³]	SO_2 [µg/m³]	NO_2 [µg/m³]	Ozone* (O3), [µg/m³]	Ammonia (NH3) [µg/m³]
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
07.08.2026	08.08.2026	3919	49.62	11.94	11.22	09.51	0.0	<20.0
08.08.2026	09.08.2026	3952	48.19	10.54	09.45	08.64	0.00	<20.0
14.08.2026	15.08.2026	4164	48.45	11.98	10.87	11.45	0.00	<20.0
15.08.2026	16.08.2026	4193	49.96	12.56	11.45	09.95	0.00	<20.0
21.08.2026	22.08.2026	4356	50.78	11.91	10.96	08.64	0.00	<20.0
22.08.2026	23.08.2026	4382	49.55	10.69	08.45	09.94	0.00	<20.0
28.08.2026	29.08.2026	4555	46.15	11.36	08.26	11.38	0.00	<20.0
29.08.2026	30.08.2026	4583	47.23	09.25	10.56	10.62	0.00	<20.0
Average			**48.74**	**11.27**	**10.15**	**10.01**	**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.

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

End of the Report

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

Note:
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Website : www.gemsllp.in

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

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

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Customer Reference	:	Workorder No:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Location	:	**A3-Galemmanagudi Village**
Report Issued Date	:	**04.09.2026**
Report Number	:	**GEMS/SMIORE/NAAQ/2026-27/3061**

Parameters			Lead (Pb), µg/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Benzene (C_6H_6), µg/ m³
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
07.08.2026	08.08.2026	3919	<0.01	<0.1	<0.5	<0.5	0.17	<1.0
08.08.2026	09.08.2026	3952	<0.01	<0.1	<0.5	<0.5	0.15	<1.0
14.08.2026	15.08.2026	4164	<0.01	<0.1	<0.5	<0.5	0.14	<1.0
15.08.2026	16.08.2026	4193	<0.01	<0.1	<0.5	<0.5	0.12	<1.0
21.08.2026	22.08.2026	4356	<0.01	<0.1	<0.5	<0.5	0.11	<1.0
22.08.2026	23.08.2026	4382	<0.01	<0.1	<0.5	<0.5	0.12	<1.0
28.08.2026	29.08.2026	4555	<0.01	<0.1	<0.5	<0.5	0.14	<1.0
29.08.2026	30.08.2026	4583	<0.01	<0.1	<0.5	<0.5	0.12	<1.0
		Average	<0.01	<0.1	<0.5	<0.5	0.13	<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****

Lakshmi B.S
Analysed By
Lakshmi B S
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

SMOIRE AUGUST PHOTOS









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(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.gemsllp.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:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Location	:	**A4 - Near Plant Railway Siding**
Duration of Monitoring	:	24 Hour
Report Issue Date	:	**04.09.2026**
Report Number	:	**GEMS/SMIORE/NAAQ/2026-27/3060**

RESULTS

Parameters			PM_{10} [µg/m³]	$PM_{2.5}$ [µg/m³]	SO_2 [µg/m³]	NO_2 [µg/m³]	Ozone* (O3), [µg/m³]	Ammonia (NH3) [µg/m³]
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
07.08.2026	08.08.2026	3918	48.53	11.98	8.62	9.12	5.11	<20.0
08.08.2026	09.08.2026	3951	50.95	10.31	9.59	08.23	2.36	<20.0
14.08.2026	15.08.2026	4163	49.63	10.98	9.89	08.15	4.12	<20.0
15.08.2026	16.08.2026	4192	51.06	11.23	10.62	10.12	1.23	<20.0
21.08.2026	22.08.2026	4355	48.89	12.45	11.98	11.23	1.02	<20.0
22.08.2026	23.08.2026	4381	49.23	10.89	10.42	08.23	3.12	<20.0
28.08.2026	29.08.2026	4554	50.45	11.59	09.68	09.24	0.00	<20.0
29.08.2026	30.08.2026	4582	51.56	09.23	08.53	9.56	1.56	<20.0
Average			50.03	11.08	9.91	9.23	2.31	<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****

Lakshmi B.S
Analysed By
Lakshmi B S
Chemist

S.Venkatesh
Asst. General Manager

Note:
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Ph : 08394 355369
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Website : www.gemsllp.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:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Location	:	**A4 - Near Plant Railway Siding**
Report Issued Date	:	**04.09.2026**
Report Number	:	**GEMS/SMIORE/NAAQ/2026-27/3060**

Parameters			Lead (Pb), µg/m³	Nickel (Ni), ng/m³	Arsenic (As), ng/m³	Benzo(a) Pyrene (BaP), ng/m³	Carbon Monoxide* (CO), mg/m³	Benzene (C_6H_6), µg/ m³
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/B6	IS 5182 (Part XI) 2006(RA 2017)
Date of Sampling	Date of Sampling	Sample Code	Result	Result	Result	Result	Result	Result
07.08.2026	08.08.2026	3918	<0.01	<0.1	<0.5	<0.5	0.10	<1.0
08.08.2026	09.08.2026	3951	<0.01	<0.1	<0.5	<0.5	0.11	<1.0
14.08.2026	15.08.2026	4163	<0.01	<0.1	<0.5	<0.5	0.11	<1.0
15.08.2026	16.08.2026	4192	<0.01	<0.1	<0.5	<0.5	0.10	<1.0
21.08.2026	22.08.2026	4355	<0.01	<0.1	<0.5	<0.5	0.11	<1.0
22.08.2026	23.08.2026	4381	<0.01	<0.1	<0.5	<0.5	0.07	<1.0
28.08.2026	29.08.2026	4554	<0.01	<0.1	<0.5	<0.5	0.06	<1.0
29.08.2026	30.08.2026	4582	<0.01	<0.1	<0.5	<0.5	0.08	<1.0
Average			<0.01	<0.1	<0.5	<0.5	0.09	<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*

Lakshmi B S
Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

SMOIRE AUGUST PHOTOS









SMOIRE AUGUST PHOTOS









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Website : www.gemsllp.in

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:4200013039 Dated:22.07.2026
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: 25.04.2026 Calibration Due Date: 24.04.2027
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	**Stack Attached to Furnace - 3**
10	Month of Sampling	:	**AUGUST-2026**
11	Date of Monitoring	:	**08.08.2026**
12	Date of Sample Received	:	08.08.2026
13	Sample Code	:	**3956**
14	Date of Sample Analysis	:	10.08.2026
15	Date of Sample Analysis completion	:	10.08.2026
16	Report Number	:	**GEMS/SMIORE/STACK/2026-27/3086**
17	Report Issued Date	:	**04.09.2026**

Stack Details

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

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	88	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	15.77	-
4	Gas flow rate at Stack Condition	IS-11255(Part 02) (RA 2014)	m^3/hr	278715	-
5	Gas flow rate at NTP	IS-11255(Part 02) (RA 2014)	Nm^3/hr	229938	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm^3	127.15	150
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm^3	21	-
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm^3	17	-
9	Carbon Monoxide	GEMS/SOP/69	%	0.052	-
10	Oxygen (O_2)	GEMS/SOP/70	%	18.36	-

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

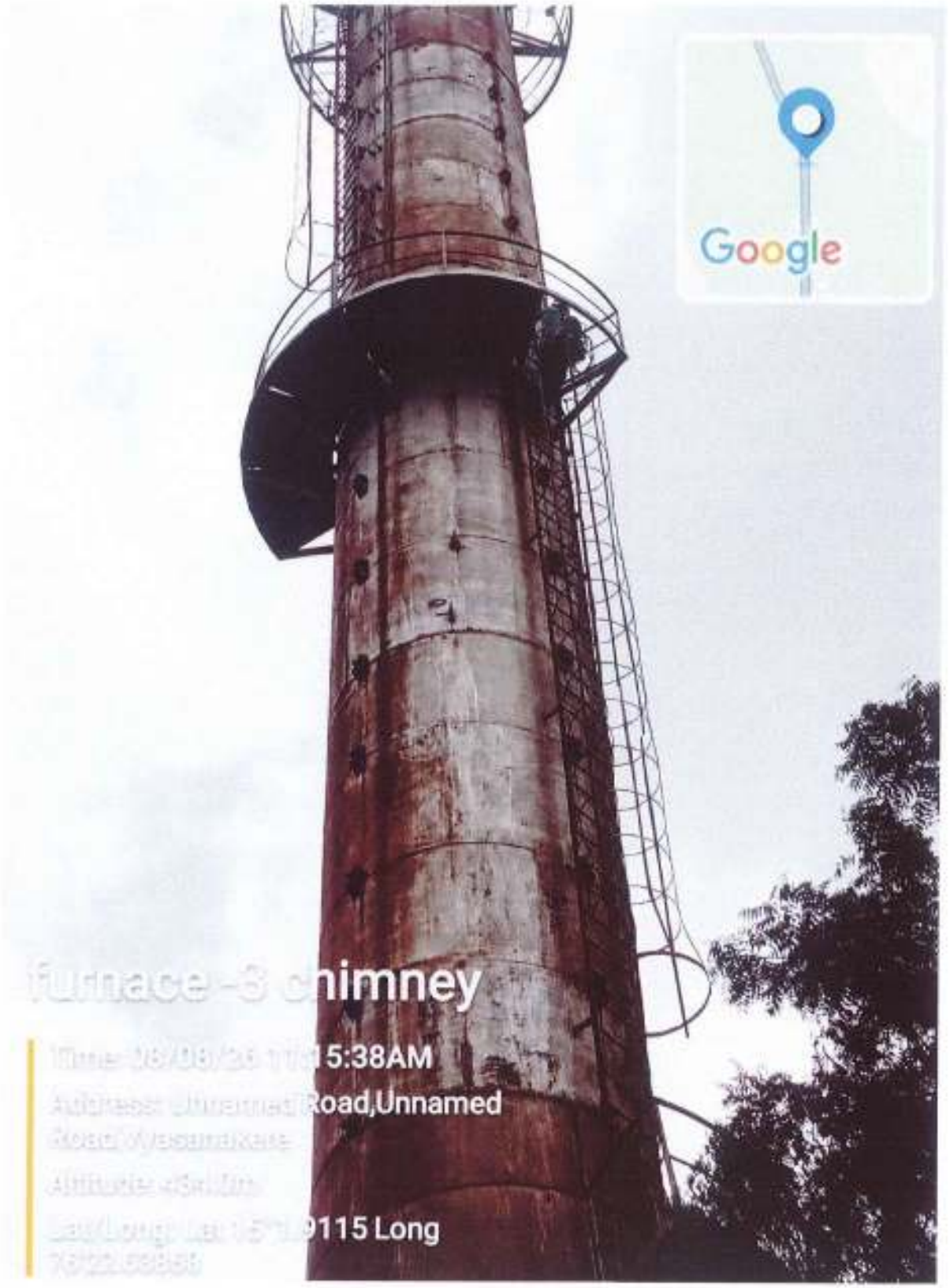
****End of the Report****

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

GLOBAL ENVIRONMENT & MINING SERVICES HOSPET

Note:
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Google
furnace-3 chimney
5:38AM
Road,Unnamed
9115 Long

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.gemsllp.in

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:4200013039 Dated:22.07.2026
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: 25.04.2026 Calibration Due Date: 24.04.2027
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	**Stack Attached to Furnace - 5**
10	Month of Sampling	:	**AUGUST-2026**
11	Date of Monitoring	:	**08.08.2026**
12	Date of Sample Received	:	08.08.2026
13	Sample Code	:	**3957**
14	Date of Sample Analysis	:	10.08.2026
15	Date of Sample Analysis completion	:	10.08.2026
16	Report Number	:	**GEMS/SMIORE/STACK/2026-27/3087**
17	Report Issued Date	:	**04.09.2026**

Stack Details

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

Emission Details

Sl. No.	Parameters	Method	Unit	Result	Permissible Limit
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	℃	**30**	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	℃	**91**	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	**16.15**	-
4	Gas flow rate at Stack Condition	IS-11255(Part 02) (RA 2014)	m^3/hr	**411020**	-
5	Gas flow rate at NTP	IS-11255(Part 02) (RA 2014)	Nm^3/hr	**336300**	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm^3	**113.79**	**150**
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm^3	**27**	-
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm^3	**15**	-
9	Carbon Monoxide	GEMS/SOP/69	%	**0.047**	-
10	Oxygen (O_2)	GEMS/SOP/70	%	**18.49**	-

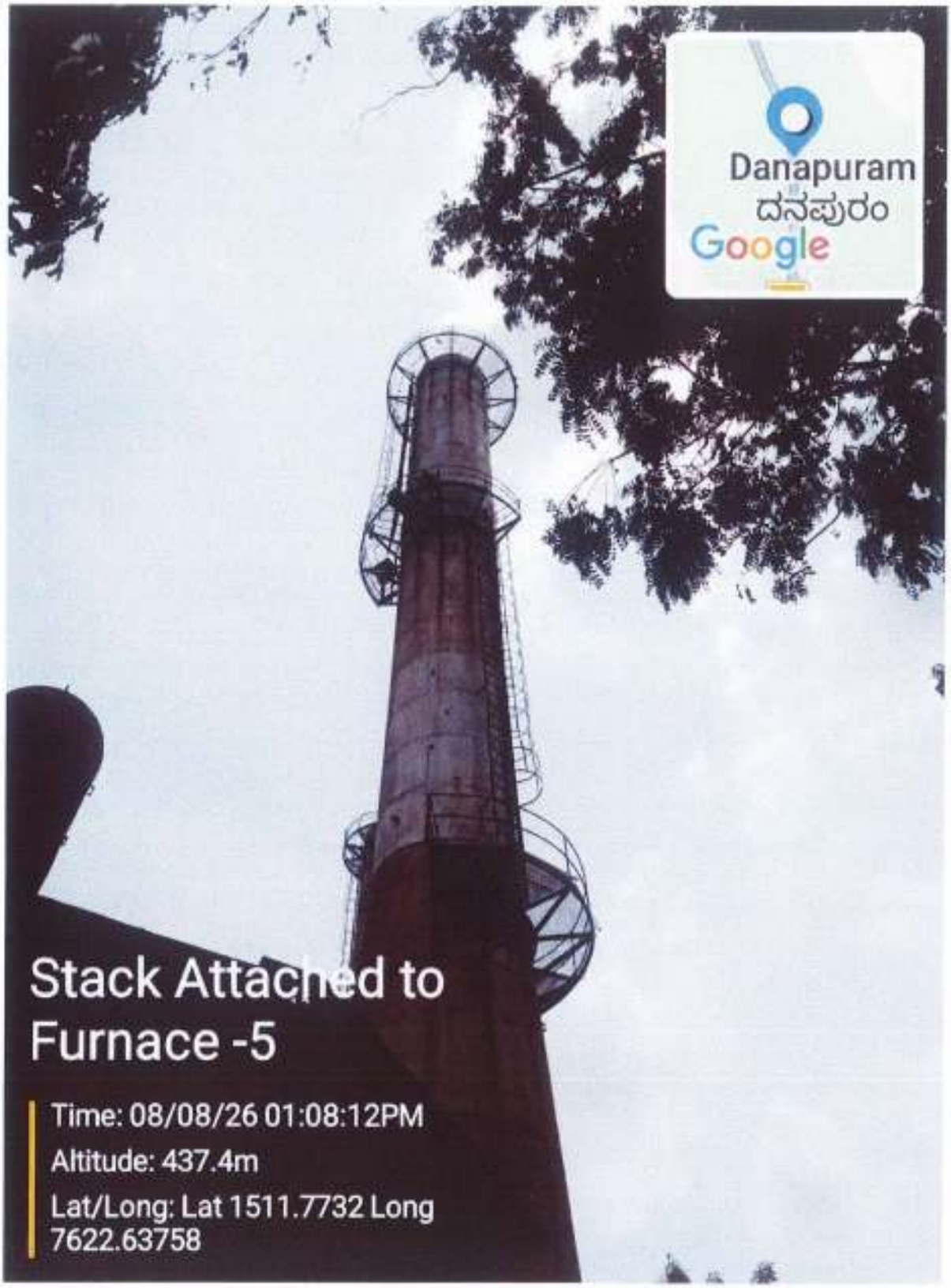
Note: NS- Not Specified, RA: Reaffirmed, **INFERENCE:** The Measured Values are within the limits.

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

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

Note:
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Danapuram
ದನಪುರಂ
Google
Stack Attached to Furnace -5
Time: 08/08/26 01:08:12PM
Altitude: 437.4m
Lat/Long: Lat 1511.7732 Long 7622.63758

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(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane,
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Ph : 08394 355369
e-mail : gems_hpt@yahoo.com
Website : www.gemsllp.in

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:4200013039 Dated:22.07.2026
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: 25.04.2026 Calibration Due Date: 24.04.2027
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	**Stack Attached to WHRB-01**
10	Month of Sampling	:	**AUGUST-2026**
11	Date of Monitoring	:	14.08.2026
12	Date of Sample Received	:	14.08.2026
13	Sample Code	:	4167
14	Date of Sample Analysis	:	15.08.2026
15	Date of Sample Analysis completion	:	15.08.2026
16	Report Number	:	**GEMS/SMIORE/STACK/2026-27/3163**
17	Report Issued Date	:	**04.09.2026**

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)	℃	28	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	℃	166	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	7.72	-
4	Gas flow rate at Stack Condition	IS-11255(Part 02) (RA 2014)	m^3/hr	461935	-
5	Gas flow rate at NTP	IS-11255(Part 02) (RA 2014)	Nm^3/hr	313383	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm^3	39.87	50
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm^3	409.4	800
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm^3	221.01	500
9	Carbon Monoxide	GEMS/SOP/69	%	0.48	Max1%
10	Oxygen (O_2)	GEMS/SOP/70	%	6.92	-

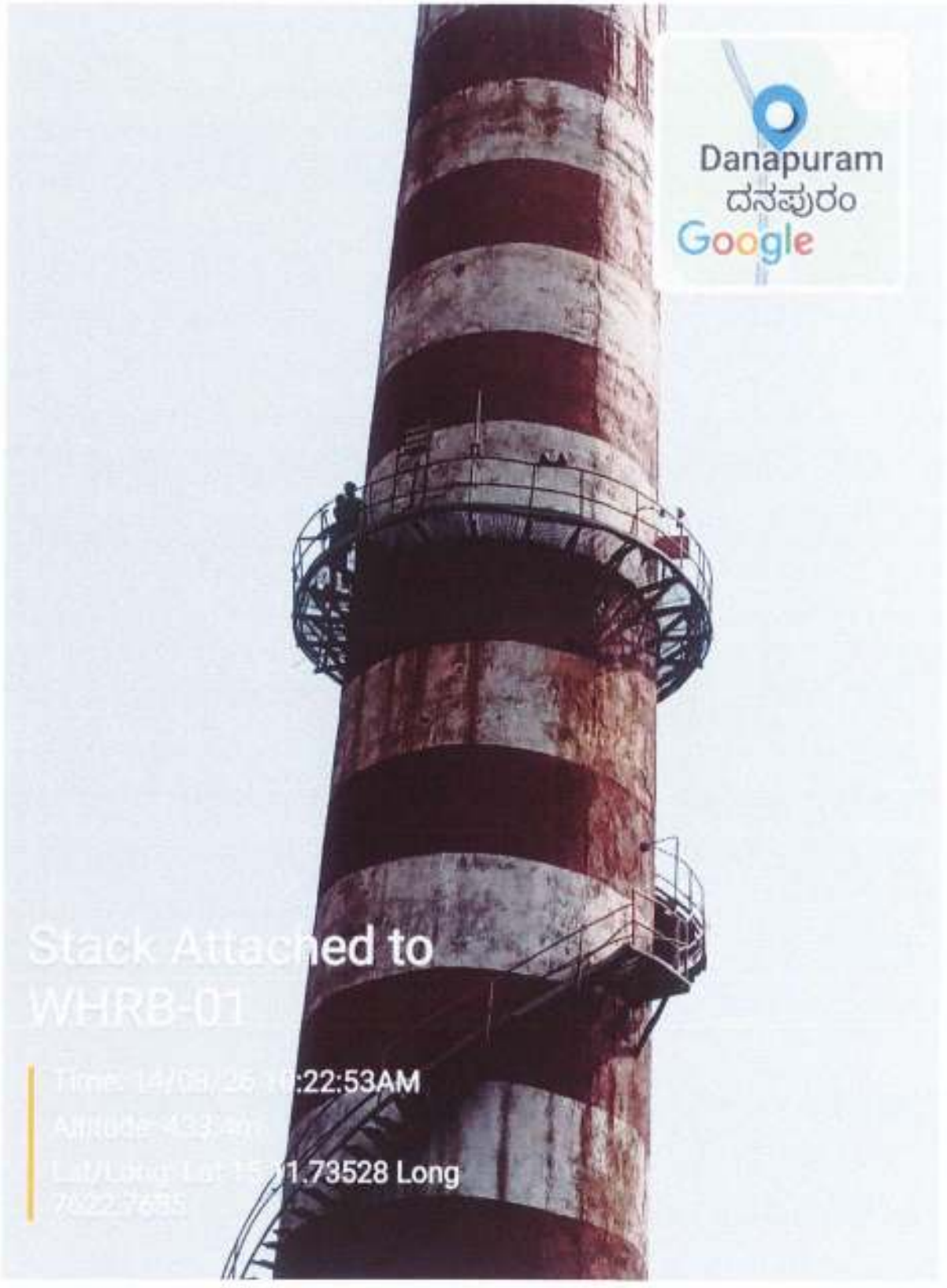
Note: NS- Not Specified, RA: Reaffirmed, **INFERENCE:** The Measured Values are within the limits.

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

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

Note:
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Danapuram
ದನಪುರಂ
Google
Stack Attached to
WHRB-01
:22:53AM
1.73528 Long

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(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane,
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Ph : 08394 355369
e-mail : gems_hpt@yahoo.com
Website : www.gemsllp.in

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:4200013039 Dated:22.07.2026
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: 25.04.2026 Calibration Due Date: 24.04.2027
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	**Stack Attached to WHRB-02**
10	Month of Sampling	:	**AUGUST-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	:	**04.09.2026**

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	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 02) (RA 2014)	m^3/hr		-
5	Gas flow rate at NTP	IS-11255(Part 02) (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****

Lakshmi B. S
Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh HOSPET
Asst. General Manager

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3rd Main Road, Basaveswara Badavane,
HOSAPETE – 583201, Dist., Vijayanagara (Karnataka)
Ph : 08394 355369
e-mail : gems_hpt@yahoo.com
Website : www.gemsllp.in

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), Vyasanakere, Hanumanahalli Village, Hospet Taluk, Vijayanagara Dist., Karnataka
2	Customer Reference	:	Workorder No:4200013039 Dated:22.07.2026
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: 25.04.2026 Calibration Due Date: 24.04.2027
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	**Stack Attached to Coal Crushing**
10	Month of Sampling	:	**AUGUST-2026**
11	Date of Monitoring	:	22.08.2026
12	Date of Sample Received	:	22.08.2026
13	Sample Code	:	4385
14	Date of Sample Analysis	:	24.08.2026
15	Date of Sample Analysis completion	:	24.08.2026
16	Report Number	:	**GEMS/SMIORE/STACK/2026-27/3205**
17	Report Issued Date	:	**04.09.2026**

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	27	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	33	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.55	-
4	Gas flow rate at Stack Condition	IS-11255(Part 02) (RA 2014)	m^3/hr	7690	-
5	Gas flow rate at NTP	IS-11255(Part 02) (RA 2014)	Nm^3/hr	7484	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm^3	33.27	50

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

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

Lakshmi B.S
Analysed By
Lakshmi B S
Chemist

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

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

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), Vyasanakere, Hanumanahalli Village, Hospet Taluk, Vijayanagara Dist., Karnataka
2	Customer Reference	:	Workorder No:4200013039 Dated:22.07.2026
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: 25.04.2026 Calibration Due Date: 24.04.2027
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	**Stack Attached to Coke Cutter**
10	Month of Sampling	:	**AUGUST-2026**
11	Date of Monitoring	:	22.08.2026
12	Date of Sample Received	:	22.08.2026
13	Sample Code	:	4386
14	Date of Sample Analysis	:	24.08.2026
15	Date of Sample Analysis completion	:	24.08.2026
16	Report Number	:	**GEMS/SMIORE/STACK/2026-27/3206**
17	Report Issued Date	:	**04.09.2026**

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	31	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	36	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.66	-
4	Gas flow rate at Stack Condition	IS-11255(Part 02) (RA 2014)	m^3/hr	7842	-
5	Gas flow rate at NTP	IS-11255(Part 02) (RA 2014)	Nm^3/hr	7558	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm^3	37.80	50

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

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

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

Note:
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GLOBAL ENVIRONMENT & MINING SERVICES LLP
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane,
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Ph : 08394 355369
e-mail : gems_hpt@yahoo.com
Website : www.gemsllp.in

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:4200013039 Dated:22.07.2026
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: 25.04.2026 Calibration Due Date: 24.04.2027
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	:	**AUGUST-2026**
11	Date of Monitoring	:	22.08.2026
12	Date of Sample Received	:	22.08.2026
13	Sample Code	:	4387
14	Date of Sample Analysis	:	24.08.2026
15	Date of Sample Analysis completion	:	24.08.2026
16	Report Number	:	**GEMS/SMIORE/STACK/2026-27/3207**
17	Report Issued Date	:	**04.09.2026**

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	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	35	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.75	-
4	Gas flow rate at Stack Condition	IS-11255(Part 02) (RA 2014)	m^3/hr	7967	-
5	Gas flow rate at NTP	IS-11255(Part 02) (RA 2014)	Nm^3/hr	7703	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm^3	45.01	50

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

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

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

Global Environment & Mining Services * HOSPET

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(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.gemsllp.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), Vyasanakere, Hanumanahalli Village, Hospet Taluk, Vijayanagara Dist., Karnataka
Customer Reference	:	Workorder No:4200013039 Dated:22.07.2026
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	:	**AUGUST-2026**
Duration of the Monitoring	:	24 Hrs.
Report Issue Date	:	**04.09.2026**
Method Adopted	:	IS 9989-1981 Reaffirmed 2014
Report No	:	**GEMS/SMIORE/NOISE/2026-27/3064**

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)	07.08.2026	52.8	59.4	56.1	75	41.2	49.8	45.5	70
N2	Near Water Reservoir (WTP Plant)	08.08.2026	51.6	60.8	56.7		43.8	48.8	46.3	
	Residential Area									
N3	Galemmanagudi	28.08.2026	45.3	56.2	50.75	55	34.6	44.6	39.6	45
N4	Vyasanakere Village	14.08.2026	44.9	57.5	51.2		35.3	45.3	40.3	
N5	Hanumana Halli	21.08.2026	43.8	55.2	49.5		33.5	44.6	39.05	

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

****End of the Report***

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

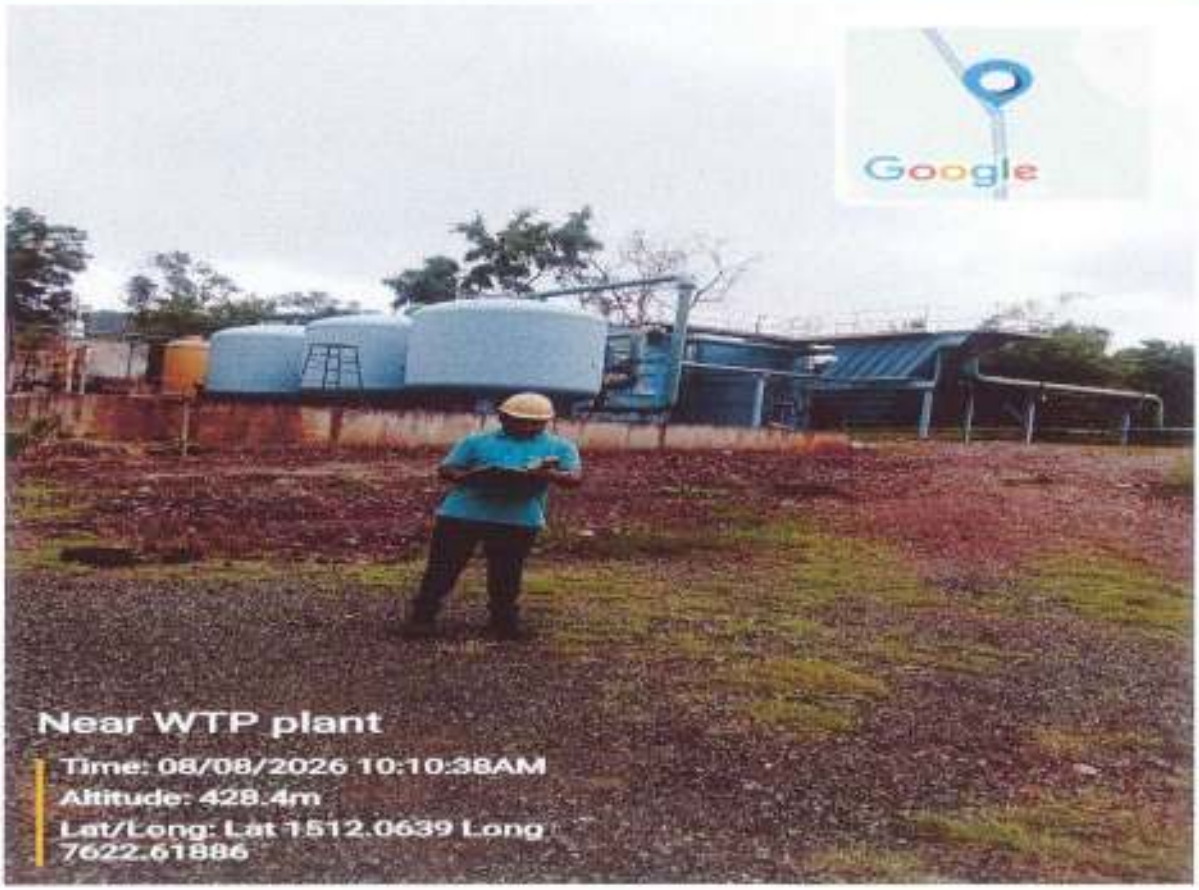
Verified by
S.Venkatesh
Asst. General Manager

Global Environment & Mining Services HOSPET

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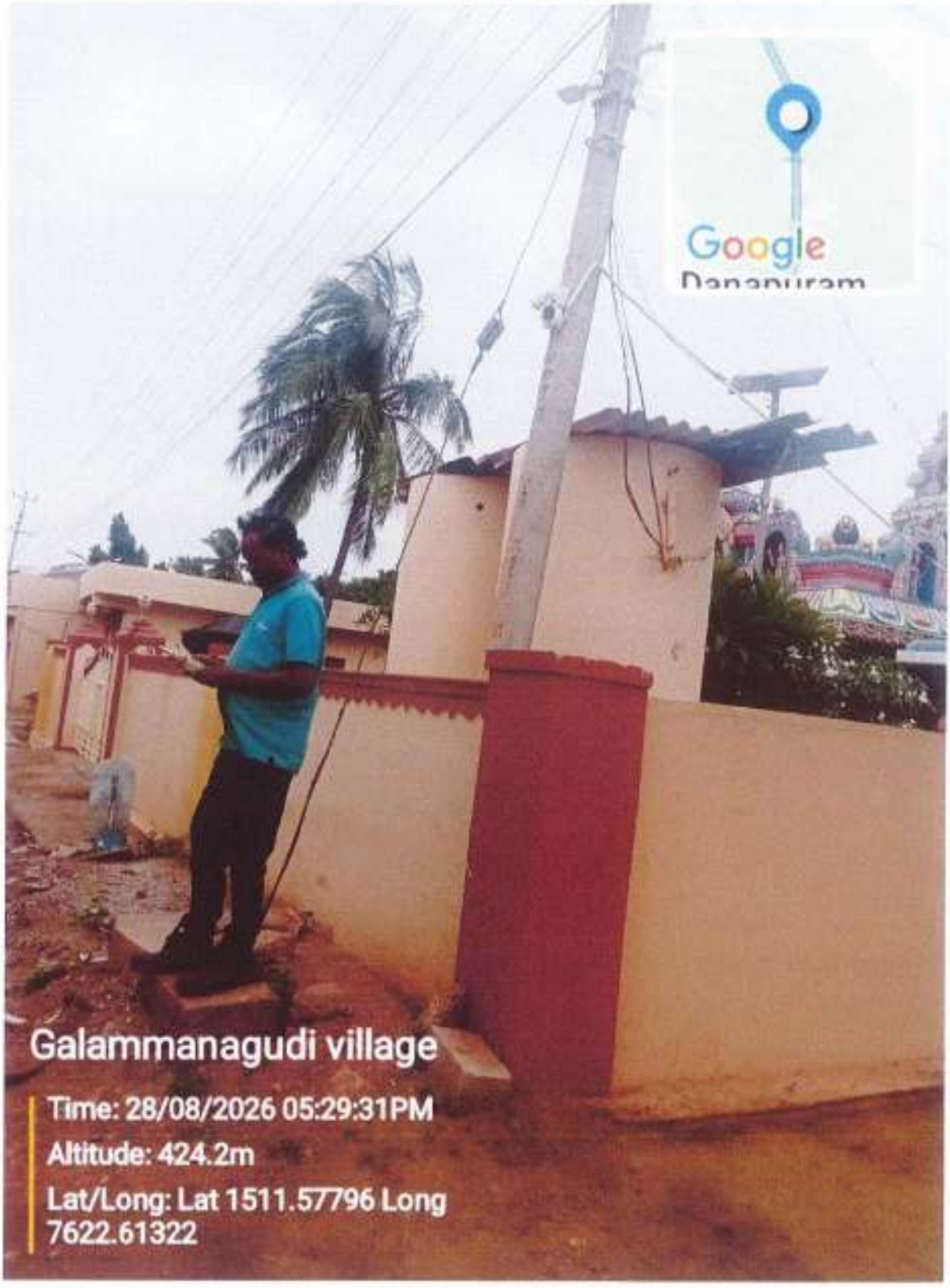




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GLOBAL ENVIRONMENT & MINING SERVICES LLP
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane,
HOSAPETE – 583201, Dist., Vijayanagara (Karnataka)
Ph : 08394 355369
e-mail : gems_hpt@yahoo.com
Website : www.gemsllp.in

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), Vyasanakere, Hanumanahalli Village, Hospet Taluk, Vijayanagara Dist., Karnataka
2	Customer Reference	:	Workorder No:4200013039 Dated:22.07.2026
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	:	**3955**
10	Date of Sampling	:	08.08.2026
11	Sample Received	:	08.08.2026
12	Date of Analysis	:	14.08.2026
13	Date of Analysis Completion	:	15.08.2026
14	Report Issue Date	:	**04.09.2026**
15	Report Number	:	**GEMS/ SMIORE /STP/2026-27/3085**

Sl. No.	Parameters	Protocol	Unit	Results	As per KSPCB Std
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.71	6.5 to 9.0
2.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	8.4	<20
3.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	8	<10
4.	Chemical Oxygen Demand as COD	APHA 24th Edition 5220 B: 2023	mg/L	21.88	<50

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

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

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

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e-mail : gems_hpt@yahoo.com
Website : www.gemsllp.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), Vyasanakere, Hanumanahalli Village, Hospet Taluk, Vijayanagara Dist., Karnataka
2	Customer Reference	:	Workorder No:4200013039 Dated:22.07.2026
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	:	**3955**
10	Date of Sampling	:	08.08.2026
11	Sample Received	:	08.08.2026
12	Date of Analysis	:	14.08.2026
13	Date of Analysis Completion	:	15.08.2026
14.	Report Issue Date	:	**04.09.2026**
15	Report Number	:	**GEMS/ SMIORE /STP/2026-27/3085**

Sl. No.	Parameters	Protocol	Unit	Results	As per KSPCB Std
5	Ammonical nitrogen as N	IS:3025 (part 34)-1988, RA-2023	mg/L	0.67	<5
6	Total Nitrogen as N	IS:3025 (part 34)-1988, RA-2023	mg/L	2.58	<10
7	Fecal coliform	APHA 24th Edition 9222 B :2023	MPN/ 100ml	32	Less than 100

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

Analysed By
Lakshmi B S
Chemist

Verified By
S.Venkatesh
Asst. General Manager

HOSPET

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