



BMM Ispat Ltd.,

ENVIRONMENTAL MONITORING REPORT



Danapur Village, Hosapete Taluk,
Vijayanagara District, PIN-583222,
Karnataka.

JANUARY-2026

Prepared by



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

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Website : www.gemslp.in

PREFACE

The industries should monitor environmental parameters as per the frequency and locations given in the CFE/CFO. And the same should be submitted on every month to the respective pollution control board.

As part of the conditions and inherent concern on health of the employees and surroundings **M/s. BMM Ispat Ltd.**, as appointed **M/s. Global Environment & Mining Services LLP**, Hosapete, to carry out the environmental pollution monitoring on AAQ Monitoring, Fugitive monitoring, Noise Monitoring, Water Analysis & Stack monitoring pollution and submit the same to the Pollution Control Board.

Accordingly, M/s. Global Environment & Mining Services LLP, Hosapete, carried out the pollution monitoring as per the standard sampling methods prescribed by CPCB, for AAQ Monitoring, Fugitive monitoring within the plant, Stack Monitoring & Personal Dust Sampling as per the CFO. These monitoring has been carried out in a frequency as mentioned in the CFO and the same report is being submitted to the Board.

We sincerely thank to officials of **M/s. BMM Ispat Ltd.**, for their valuable co-ordination & support during the sampling and reporting.

for **GLOBAL Environment & Mining Services LLP**

Place: Hosapete
Date:06.02.2026


S. Venkatesh
(Asst. General Manager)



1.0 EXECUTIVE SUMMARY

1.1 INTRODUCTION

The journey of the BMM Group is a reflection of the path tread by every entrepreneur who believes in the human potential and one's own ability to bring about a life affirming change that transcends time. BMM Group was born out of this committed belief of Late Shri. Udai chand Singhi.

Entrenched in the Indian ethos, with an astute understanding of market needs, values and sensibilities *Mr. Dinesh Kumar Singhi* inherited the legacy from his father and has built the BMM Group on sound fundamentals since 1998. He steered the company towards growth by being the first mining company to establish a power generation plant for captive use, and creating a steel plant from the captive ore mine. Over the last 12 years, BMM has been able to add value to every relationship under his able and dynamic leadership.

Today, BMM is a 4900 Crores Company due to its focus on market orientation and optimal usage of technology to achieve process efficiency and value addition. BMM has always believed in the principle of sharing and hence continues to transfer this benefit derived from sustained growth to its employees, partners and associates. The unique value proposition that defines the very fabric of the BMM culture is the firm's belief in unleashing this 'potential in tones' in terms of its human capital, continuous growth and consistent benefits to its stakeholders.

The human potential at BMM is reflected in the depth of domain expertise across diverse sectors and dynamism of youth at various levels in the Organization. Business operations lead by professionals with decades of market understanding and a dynamic team enables BMM to deliver superior product quality. This human potential keeps BMM attuned to scaling new heights and meeting customer expectations. While consistently adding value to its partners, BMM is sensitive to its responsibility towards the environment by implementing best practices in its Business Operations and contribution to society through various social Endeavors.

BMM has a commitment of being a good Corporate Citizen and is committed to achieving business goals through ethical means. BMM hence has been able to have deeper relevance to society by creating value that is inclusive and truly benefits all.



1.2 PROMOTERS OF THE PROJECT

BMM Group, one of the leading Steel, Power & Mining companies in India that has achieved the present level under the leadership and guidance of **Sri. Dinesh Kumar Singhi**, the Founder & Chairman of the group, is promoting the project. His vision is to globalize the company business and do value addition by operating responsibly and in a sustainable manner in exploring, exploiting, excavating and processing minerals followed by setting up steel plant facilities.

BMM is a step towards forward integration has set up new merchant Bar Mill. The works is located at:

BMM ISPAT LIMITED

(Registered Office & Works)

#114, Danapur

Hosapete - 583 222

Vijayanagara Dist., Karnataka

Phone +91 08394-264000, +91 9686550808/09

Fax - 08394 264010

1.3 Site Location

BMM ISPAT LIMITED is located at Danapur about 15 Kms away from Hosapete in Karnataka. The plant site can be connected by national highway, viz. NH-13. The plant is 1 km away from the NH-13 near Danapur village. The nearest railway station is Hospet; Bangalore is at a distance of 300 kms. Seaport is Belikere and Karwar, the nearest Airport is in the private sector belonging to JSW, a Jindal Group company at Thoranagallu (Vidyanagara).

M/s. BMM ISPAT Ltd., Has accorded Environmental Clearance for 2.0 MTPA Integrated Steel Plant, with the following facilities.

S.N.	Items	Capacity
1	Iron ore beneficiation plant	4.70 MTPA
2	Palletizing Plant	2.40 MTPA
3	DRI Plant	0.70 MTPA
4	Coke Oven	0.80 MTPA
5	Sinter Plant	2.50 MTPA
6	Blast furnace	1.70 MTPA
7	EAF & BOF Steel making shop	2.30 MTPA
8	Continuous casting machines	
	Slab Caster	1.10 MTPA
	Billet Caster	1.10 MTPA
9	Rolling mills:	
	Hot strip mill	1.00 MTPA
	Structural/wire rods	1.00 MTPA
10	Oxygen Plant	2x500 TPD
11	Calcining	1,080 TPD
12	Cement Plant	1.40 MTPA
13	Power Plant	230 MW
14	Sponge Iron Division -1	2 x 100 TPD
15	Induction furnace (billets)	9000 tonnes/month
16	Rolling Mill (TMT rods)	9000 tonnes/month
17	Captive Power Plant	25 MW

Out of the above units, presently **4 x 500 TPD Sponge Iron Plants** and **1X70 MW Thermal Power Plants** have been commissioned on August 2011. Beneficiation plant-2, Pellet Plant-2 are commissioned on March 2012. 2X70 MW Thermal based power plants have commissioned on Jan 2013, EAF, Steel Making Shop, CCM, Rolling Mill, Oxygen plants are commissioned on August 2015. Remaining units are under various stages of implementation.

Hence environmental pollution monitoring is being carried out for 4 x 500 TPD sponge iron plants, 1X70 MW Thermal Power Plant, 1.3MTPA Beneficiation, 1.2MTPA Pellet Plant, 2X70MW Power plant, SMS, and RML.

1.4 The report includes environmental monitoring data collected at above site for the month of **JANUARY-2026**. The Parameters monitored are:

- ❖ Ambient Air Quality
- ❖ Fugitive Dust Level
- ❖ Stack Emission
- ❖ Ambient Noise Level
- ❖ Water Quality

2.0 Fugitive Emission Monitoring

Fugitive air quality was monitored 112 samples were collected from the analyzed for SPM analyzed by gravimetric method. Work Zone Air quality was monitored at all Plant area and material handling area.

3.0 Stack Monitoring

Stack Monitoring was Collected from Vayubodhak/ VBSS2 stack monitoring was used for drawing the flue gas. Sulphur dioxide and oxides of Nitrogen in the flue gas was sampled by bubbling flue gas solution respectively and the analyses of the pollutants were done as per the Indian Standard procedures prescribed by CPCB/BIS. Stack Emission level was monitored as per the statutory requirement on twice in a month.

DATA ANALYSIS

3.1 BUFFERZONE AMBIENT AIR QUALITY STATUS

Danapur Village (A1)

At this location, average of PM10, PM2.5, SO2, NO2 values Average 58.19 , 15.91, 8.14& 9.50 µg/m³ respectively. All above the values were found within the Limits. And the results given in **Annexure-1**.

Mariyammanahalli Village (A2)

At this location, average of PM10, PM2.5, SO2, NO2 values Average 56.82, 15.29, 8.50 & 10.11 µg/m³ respectively. All above the values were found within the Limits. And the results given in **Annexure-2**.

Hanumanahalli Village (A3)

At this location, average of PM10, PM2.5, SO2, NO2 values Average 58.46, 13.50, 7.56 & 10.14 µg/m³ respectively. All above the values were found within the Limits. Results given in **Annexure-3**.

Galemmanagudi Village (A4)

At this location, average of PM10, PM2.5, SO2, NO2 values Average 62.60, 15.84, 10.15 & 12.26 µg/m³ respectively. All above the values were found within the Limits. Results given in **Annexure-4**.

G Nagalapura Village (A5)

At this location, average of PM10, PM2.5, SO2, NO2 values Average 49.97, 10.97, 7.38 & 9.03 $\mu\text{g}/\text{m}^3$ respectively. All above the values were found within the Limits. Results given in **Annexure-5**.

Gunda Tanda Village (A6)

At this location, average of PM10, PM2.5, SO2, NO2 values Average 51.08, 13.58, 7.17 & 8.31 $\mu\text{g}/\text{m}^3$ respectively. All above the values were found within the Limits. Results given in **Annexure-6**.

5.1 FUGITIVE DUST CONCENTRATION

Fortnightly fugitive air quality was monitored all plant area SPM value minimum 235.27 $\mu\text{g}/\text{m}^3$, maximum value 1965.69 $\mu\text{g}/\text{m}^3$ and average value 983.78 $\mu\text{g}/\text{m}^3$. The Fugitive air quality 1st & 2nd Fortnight Results given in **Annexure-7 to Annexure-12**.

5.2 STACK MONITORING

Stack emission level was monitored all chimneys' PM values (mg/Nm^3) 1st and 2nd Fortnight Minimum Value 13.81 mg/Nm^3 , Maximum Value 30.51 mg/Nm^3 & Average Value 22.16 mg/Nm^3 . 1st & 2nd Fortnight Results are given in **Annexure-13 to Annexure-42**.

5.3 NOISE LEVEL MEASUREMENT

Noise level was recorded at 30 locations each in Ambient and work zone area using Sound Level Meter (Lutron) The Day time noise level values were ranging between 35.9 to 70.9 dB (A). The noise level status is given in **Annexure-43 to Annexure-44**.

5.4 Water Sample Collected at 17 locations in side plant and surrounding nearest villages and nearest surface water Sample Collected every Month. The Water Analysis Test Report is given in **Annexure-46 to Annexure-57**.

5.5 CONCLUSION

All the monitored Environmental parameters were found to be well within the statutory norms and the same are enclosed as follows.



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TC-16180

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

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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 : January 2026
 Location : A1-Danapur Village
 Duration of Monitoring : 24 Hour
 Report Issued Date : 06.02.2026
 Report Number : ULR-TC1618025000003793F

RESULTS

Parameters			PM ₁₀ [µg/m ³]		PM _{2.5} [µg/m ³]		SO ₂ [µg/m ³]		NO ₂ [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)	
Date of Sampling	Date of Sample Received	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD
05.01.2026	06.01.2026	8158	72.25	100	17.35	60	9.18	80	10.51	80
06.01.2026	07.01.2026	8186	44.39		9.51		8.30		9.34	
12.01.2026	13.01.2026	8443	72.62		16.85		8.43		11.11	
13.01.2026	14.01.2026	8476	51.00		14.82		8.64		9.51	
19.01.2026	20.01.2026	8635	58.52		19.02		7.31		8.52	
20.01.2026	21.01.2026	8682	49.20		20.07		7.23		10.51	
27.01.2026	28.01.2026	8890	64.26		17.15		8.90		9.01	
28.01.2026	29.01.2026	8931	53.30		12.50		7.17		7.48	
Average			58.19		15.91		8.14		9.50	

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Greentech instruments GTI-151N	Greentech instruments / GTI-131
3	Serial No	R.D.S. / 679-DTL-2023	PM2.5 / PM10 Sampler / 669-DTL-2023
4	Calibration Date	25.04.2025	25.04.2025
5	Calibration Due Date	24.04.2026	24.04.2026

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

Authorised Signatory
Venkatesh S
Laboratory Incharge

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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- Recognised 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 : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 Sample collected by : Global Environment & Mining Services LLP
 Discipline : Chemical
 Group : Atmospheric Pollution
 Sample Type : Ambient Air Quality Monitoring
 Particulars of Sample Collected : CO Analyzer
 Month : January 2026
 Location : A1-Danapur Village
 Duration of Monitoring : 1 Hour
 Report Issued Date : 06.02.2026
 Report Number : GEMS/BMMIL/NAAQ/2025-26/3793

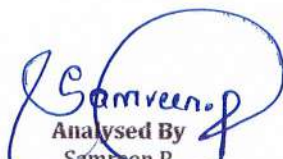
RESULTS

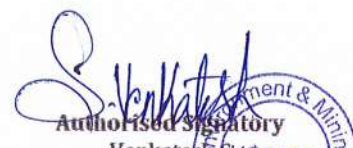
Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	05.01.2026	8158	0.13	4.0
2	06.01.2026	8186	0.19	
3	12.01.2026	8443	0.13	
4	13.01.2026	8476	0.15	
5	19.01.2026	8635	0.17	
6	20.01.2026	8682	0.12	
7	27.01.2026	8890	0.09	
8	28.01.2026	8931	0.13	

Note: CO - GEMS/SOP/86/as per CO Analyzer Manual (1 Hour)
 ND - Not Detected

Sl. NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	Vasthi Instruments Pvt Ltd & VS-70-70-CO
3	Serial No	180883821
4	Calibration Date	12.07.2025
5	Calibration Due Date	11.07.2026

INFERENCE	As per NAAQMS Standards (2009), Report Status: - Measured Values for the above parameters are within the limit
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 Analysed By
 Samreen P
 Chemist


 Authorised Signatory
 Venkatesh SHOSPET
 Laboratory Incharge

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





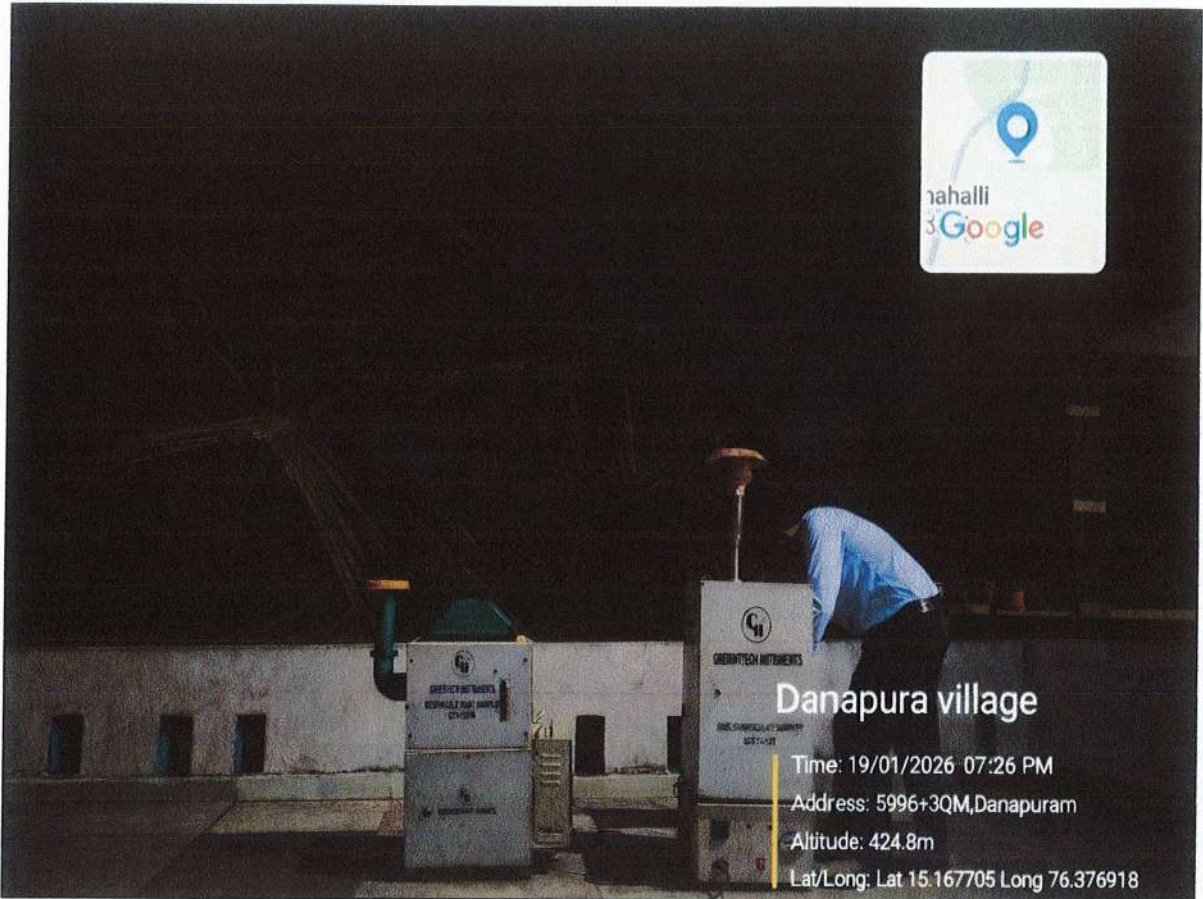
Danapura villege

Time: 12/01/2026 03:37PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



Danapura villege

Time: 13-01-2026 03:55PM
Altitude: 1348.8ft
Lat/Long: Lat 15.191545 Long 76.376831



Danapura villege

Time: 19/01/2026 07:26 PM
Address: 5996+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



Danapura villege

Time: 20/01/2026 03:29PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



Danapura village
Time: 27/01/2026 12:40 PM
Address: 5996+3QM, Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



Danapura villege
Time: 28/01/2026 03:12PM
Address: 599G+3QM, Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



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TC-16180

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

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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 : **January 2026**
 Location : **A2-Mariyammanahalli Village**
 Duration of Monitoring : 24 Hour
 Report Issued Date : **06.02.2026**
 Report Number : **ULR-TC1618025000003794F**

RESULTS

Parameters			PM ₁₀ [µg/m ³]		PM _{2.5} [µg/m ³]		SO ₂ [µg/m ³]		NO ₂ [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)	
Date of Sampling	Date of Sample Received	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD
05.01.2026	06.01.2026	8159	48.67	100	18.78	60	9.61	80	11.01	80
06.01.2026	07.01.2026	8187	50.90		16.43		7.24		7.89	
12.01.2026	13.01.2026	8444	56.59		14.33		10.12		11.95	
13.01.2026	14.01.2026	8477	60.19		15.80		8.45		9.26	
19.01.2026	20.01.2026	8636	66.53		12.21		9.58		10.97	
20.01.2026	21.01.2026	8683	46.87		11.69		7.34		8.41	
27.01.2026	28.01.2026	8891	64.87		18.27		7.51		9.43	
28.01.2026	29.01.2026	8932	59.97		14.79		8.15		11.95	
Average			56.82				15.29			

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Enviro instruments / EI-142 NL	Enviro instruments / EI-133
3	Serial No	R.D.S. / 197-C-21	PM2.5 / PM10 Sampler / 182-DTH-2013
4	Calibration Date	24.07.2025	25.04.2025
5	Calibration Due Date	23.07.2026	24.04.2026

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

Venkatesh
 Authorised Signatory
 Venkatesh
 Laboratory Incharge

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GEMS



NABET

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GEMS-LD/TF/11/01**ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA**

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 Sample collected by : Global Environment & Mining Services LLP
 Discipline : Chemical
 Group : Atmospheric Pollution
 Sample Type : Ambient Air Quality Monitoring
 Particulars of Sample Collected : CO Analyser
 Month : **January 2026**
 Location : **A2-Mariyammanahalli Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **06.02.2026**
 Report Number : **GEMS/BMM/NAAQ/2025-26/3794**


RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	05.01.2026	8159	0.19	4.0
2	06.01.2026	8187	0.12	
3	12.01.2026	8444	<0.01	
4	13.01.2026	8477	<0.01	
5	19.01.2026	8636	0.11	
6	20.01.2026	8683	<0.01	
7	27.01.2026	8891	0.13	
8	28.01.2026	8932	<0.01	

Note: CO - GEMS/SOP/86/as per CO Analyzer Manual (1 Hour)**ND - Not Detected**

Sl. NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	Vasthi Instruments Pvt Ltd & VS-70-70-CO
3	Serial No	180883821
4	Calibration Date	12.07.2025
5	Calibration Due Date	11.07.2026

INFERENCE	As per NAAQMS Standards (2009), Report Status: - Measured Values for the above parameters are within the limit
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 Analysed By
 Samreen P
 Chemist


 Authorised Signatory
 Venkatesh
 Laboratory Incharge


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- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey



Mariyammanahalli villege

Time: 05/01/2026 08:13AM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155



Mariyammanahalli villege

Time: 06/01/2026 07:57AM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155



Mariyammanahalli villege

Time: 12/01/2026 06:07PM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155



Mariyammanahalli villege

Time: 13/01/2026 05:53PM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155



Mariyammanahalli villege

Time: 19/01/2026 09:46AM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155



Mariyammanahalli villege

Time: 20/01/2026 09:18AM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155





Mariyammanahalli villege

Time: 27/01/2026 05:53PM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155



Mariyammanahalli villege

Time: 28/01/2026 06:08PM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155



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TC-16180

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

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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 : January 2026
 Location : A3-Hanumanahalli Village
 Duration of Monitoring : 24 Hour
 Report Issued Date : 06.02.2026
 Report Number : ULR-TC1618025000003795F

RESULTS

Parameters			PM ₁₀ [µg/m ³]		PM _{2.5} [µg/m ³]		SO ₂ [µg/m ³]		NO ₂ [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: 2006 (Part-6) (RF-2017)					
Date of Sampling	Date of Sample Received	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD				
05.01.2026	06.01.2026	8160	56.41	100	15.62	60	8.15	80	11.35	80				
06.01.2026	07.01.2026	8188	69.76		16.03		7.35		9.72					
12.01.2026	13.01.2026	8445	59.68		16.36		8.64		9.97					
13.01.2026	14.01.2026	8478	62.07		8.98		7.18		10.32					
19.01.2026	20.01.2026	8637	60.29		12.30		6.98		10.34					
20.01.2026	21.01.2026	8684	50.81		12.28		7.35		8.12					
27.01.2026	28.01.2026	8892	48.87		13.74		7.57		9.87					
28.01.2026	29.01.2026	8933	59.78		12.66		7.22		11.45					
Average			58.46				13.50				7.56		10.14	

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Greentech instruments / GTI-151	Greentech instruments / GTI-131
3	Serial No	R.D.S. / 677-DTL-2023	PM2.5 / PM10 Sampler / 670-DTL-2023
4	Calibration Date	25.04.2025	25.04.2025
5	Calibration Due Date	24.04.2026	24.04.2026

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
 Authorised Signatory
 Venkatesh
 Laboratory Incharge

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.
- Recognised by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognised 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)

Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in

ANNEXURE-03
GEMS-LD/TF/11/01**ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA**

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 Sample collected by : Global Environment & Mining Services LLP
 Discipline : Chemical
 Group : Atmospheric Pollution
 Sample Type : Ambient Air Quality Monitoring
 Particulars of Sample Collected : CO Analyzer
 Month : **January 2026**
 Location : **A3-Hanumanahalli Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **06.02.2026**
 Report Number : **GEMS/BMM/NAAQ/2025-26/3795**

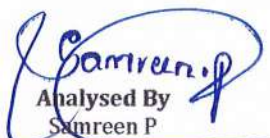
RESULTS


Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	05.01.2026	8160	0.17	4.0
2	06.01.2026	8188	0.12	
3	12.01.2026	8445	0.14	
4	13.01.2026	8478	0.18	
5	19.01.2026	8637	0.11	
6	20.01.2026	8684	0.13	
7	27.01.2026	8892	0.15	
8	28.01.2026	8933	0.16	


Note: CO - GEMS/SOP/86/as per CO Analyzer Manual (1 Hour)
ND - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	Vasthi Instruments Pvt Ltd & VS-70-70-CO
3	Serial No	180883821
4	Calibration Date	12.07.2025
5	Calibration Due Date	11.07.2026

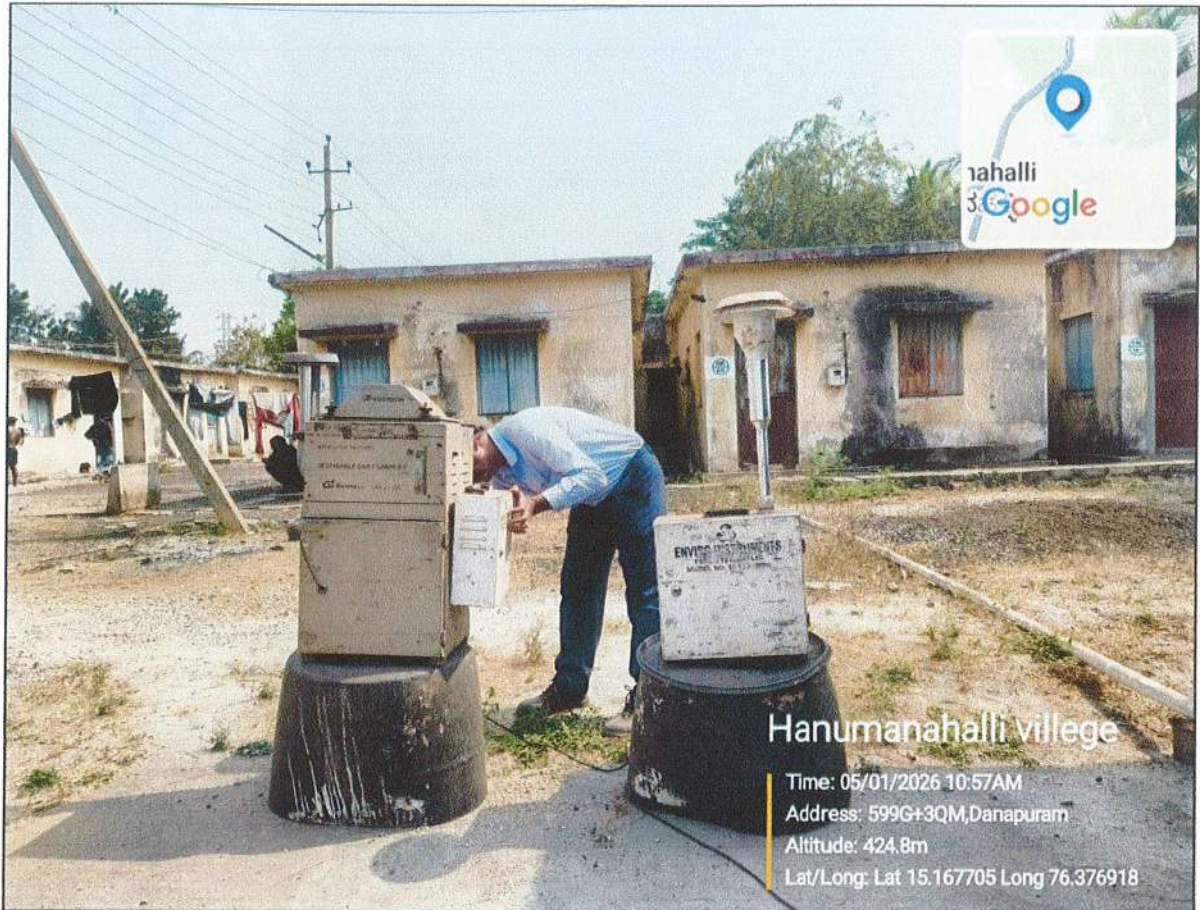
INFERENCE	As per NAAQMS Standards (2009), Report Status: - Measured Values for the above parameters are within the limit
-----------	---

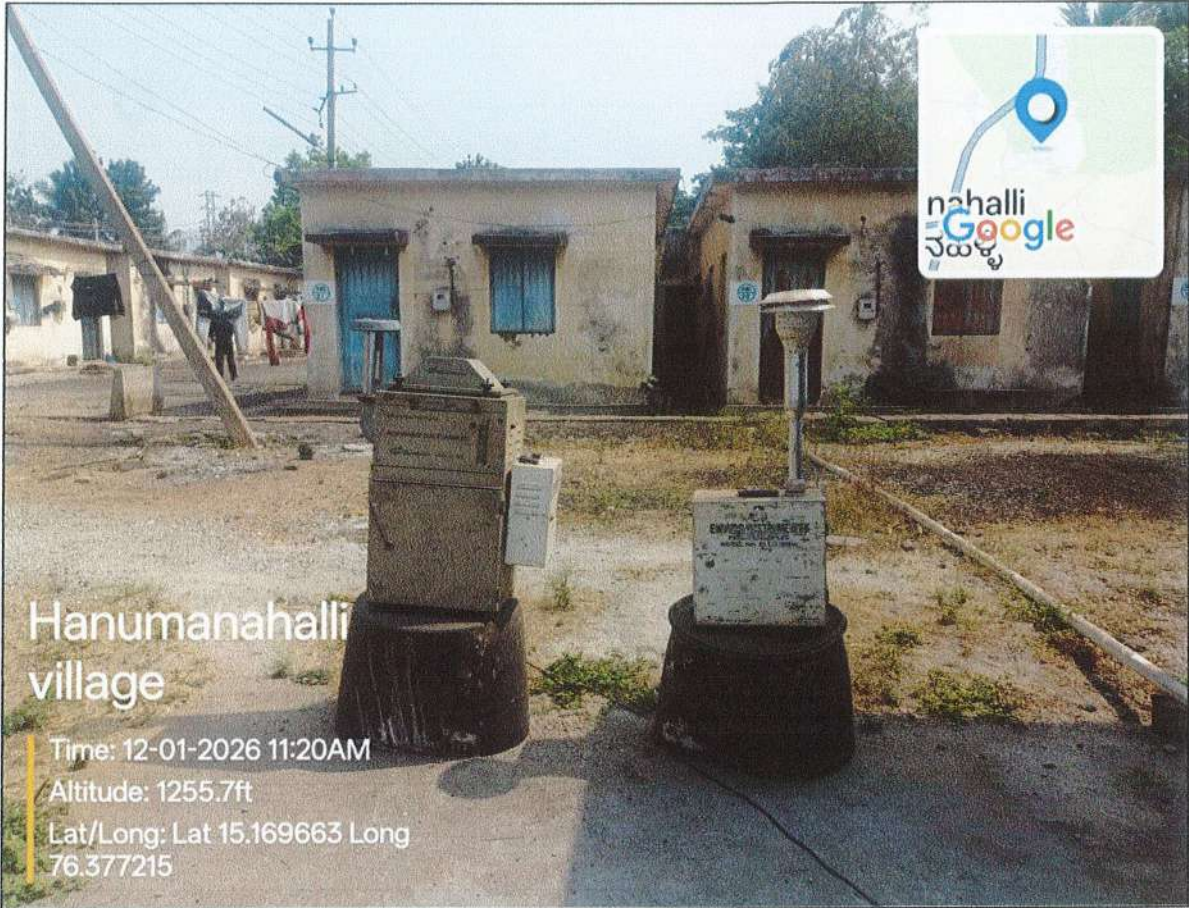

 Analysed By
 Samreen P
 Chemist


 Authorised Signatory
 Venkatesh S
 Laboratory Incharge



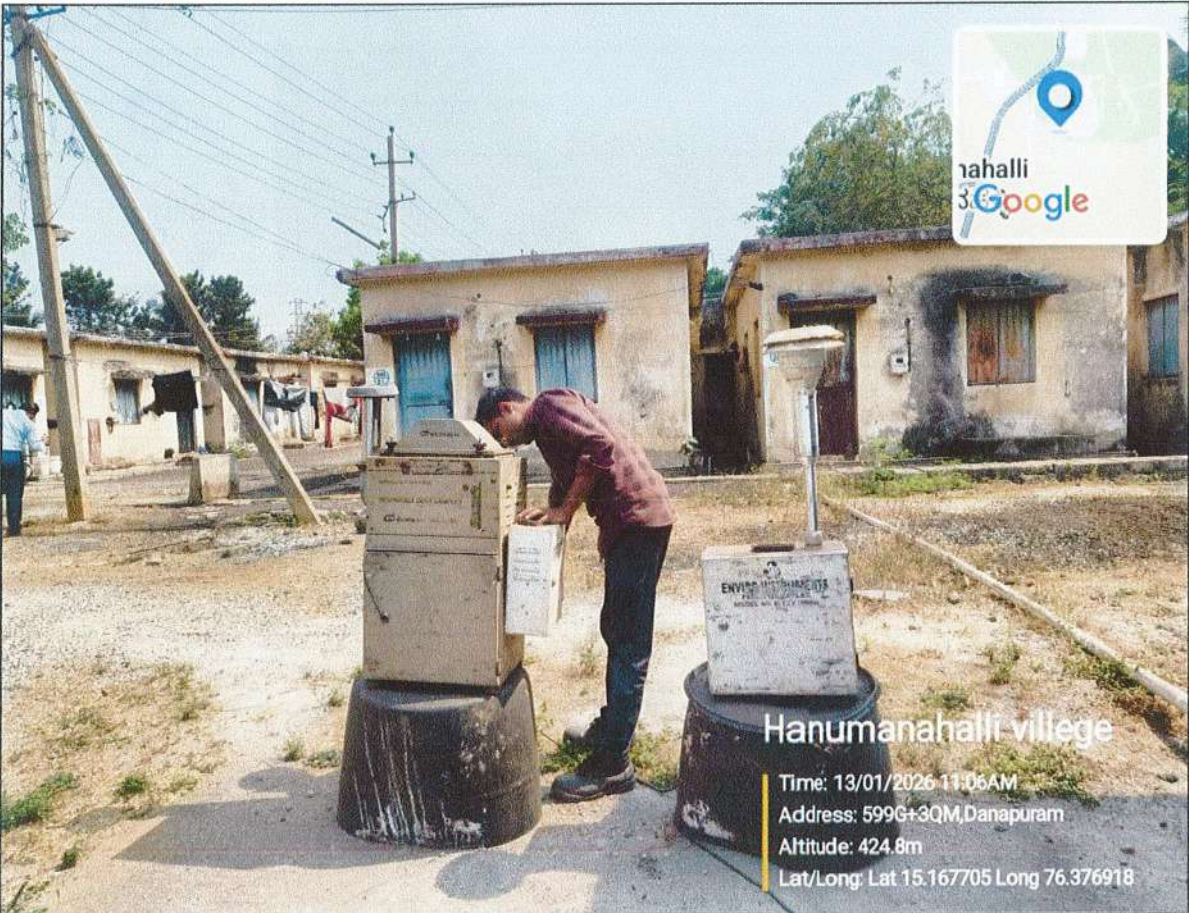
- Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognized by Government of Karnataka, Maharashtra, Goa for DGPS survey





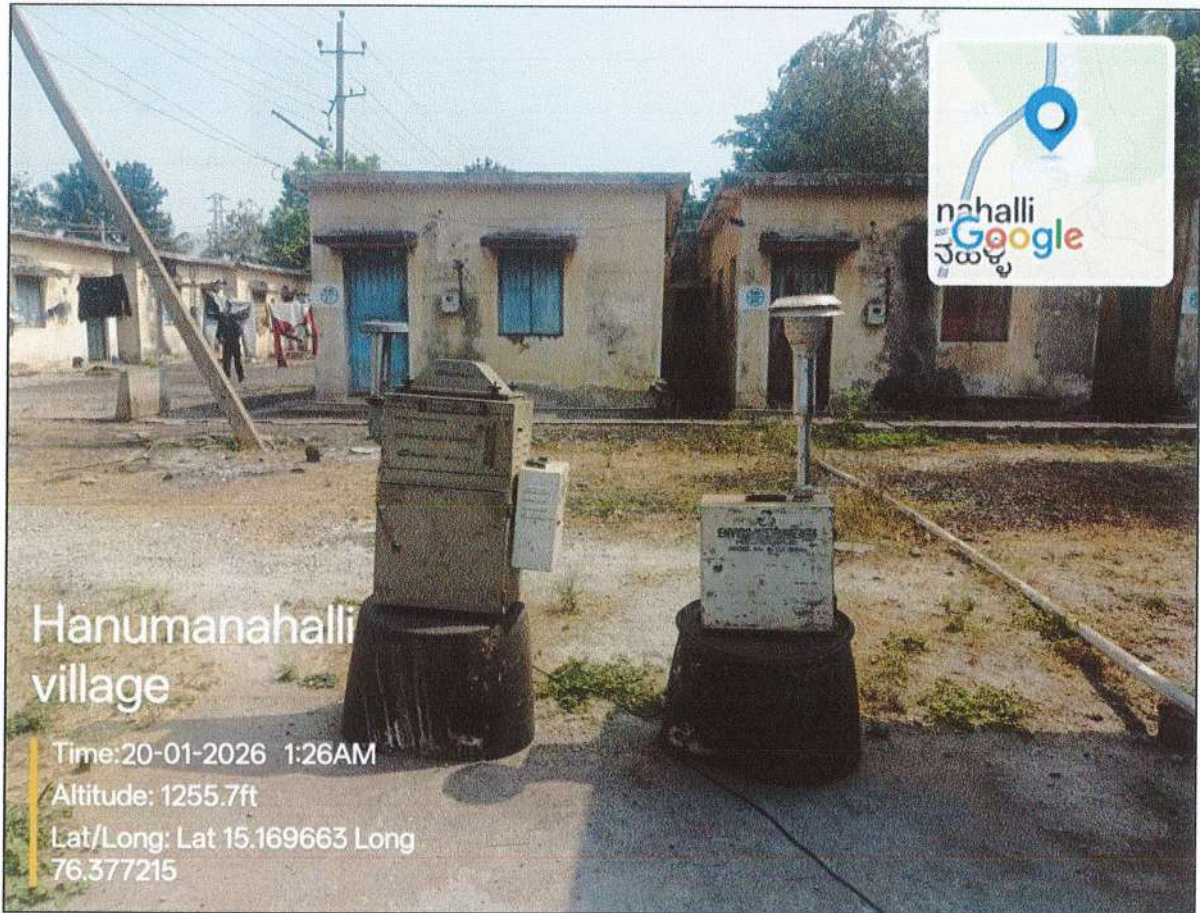
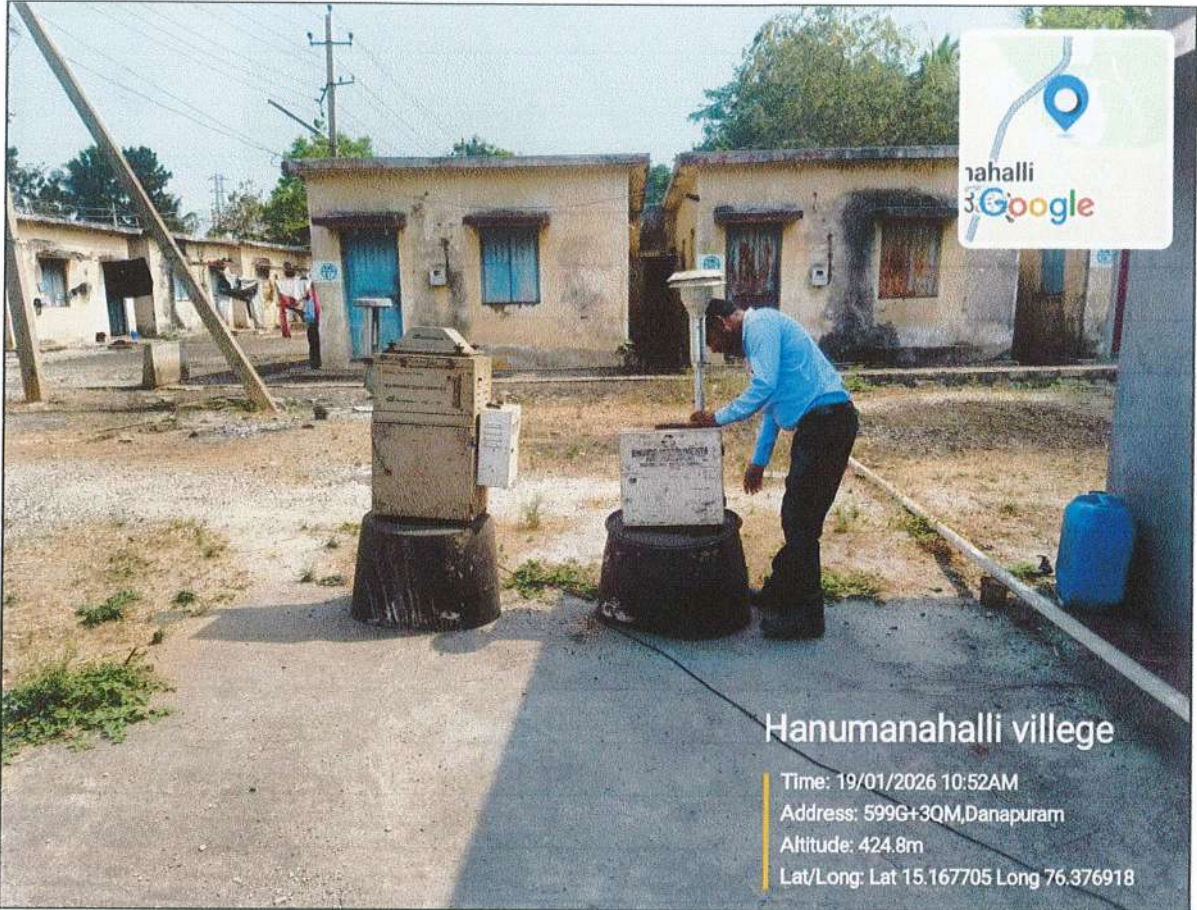
Hanumanahalli village

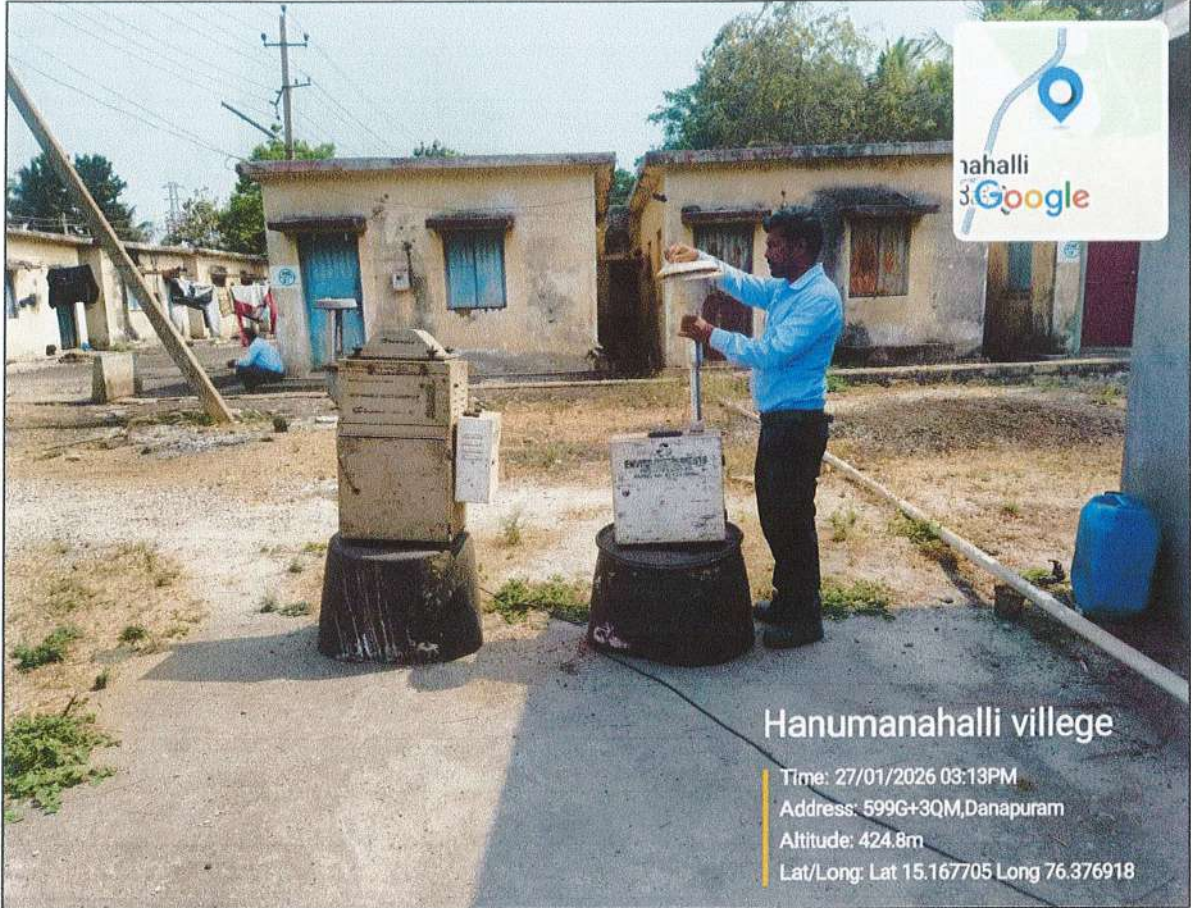
Time: 12-01-2026 11:20AM
Altitude: 1255.7ft
Lat/Long: Lat 15.169663 Long 76.377215



Hanumanahalli villege

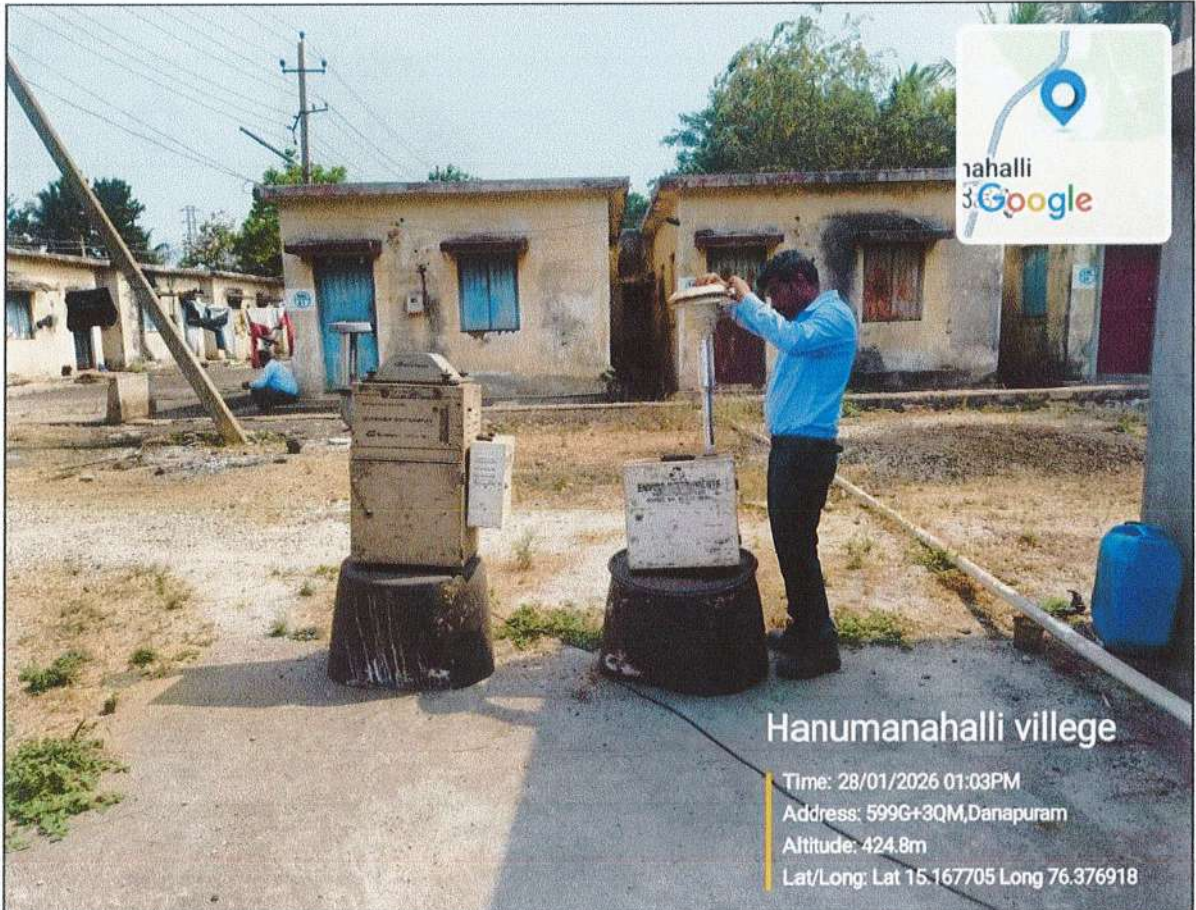
Time: 13/01/2026 11:06AM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918





Hanumanahalli villege

Time: 27/01/2026 03:13PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



Hanumanahalli villege

Time: 28/01/2026 01:03PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



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e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



TC-16180

**ANNEXURE-04
GEMS-LD/TF/11/01****ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA**

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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 : **January 2026**
 Location : **A4-Galemmanagudi Village**
 Duration of Monitoring : 24 Hour
 Report Issue Date : **06.02.2026**
 Report Number : **ULR-TC1618025000003796F**

RESULTS

Parameters			PM ₁₀ [µg/m ³]		PM _{2.5} [µg/m ³]		SO ₂ [µg/m ³]		NO ₂ [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)					
Date of Sampling	Date of Sample Received	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD				
05.01.2026	06.01.2026	8161	60.50	100	15.79	60	8.67	80	9.70	80				
06.01.2026	07.01.2026	8189	66.82		13.94		12.69		14.38					
12.01.2026	13.01.2026	8446	57.66		19.10		11.23		11.89					
13.01.2026	14.01.2026	8479	63.10		18.66		10.18		13.60					
19.01.2026	20.01.2026	8638	69.19		10.93		9.19		11.48					
20.01.2026	21.01.2026	8685	73.36		18.55		10.45		11.89					
27.01.2026	28.01.2026	8893	57.48		15.94		10.18		14.33					
28.01.2026	29.01.2026	8934	52.70		13.78		8.64		10.80					
Average			62.60				15.84				10.15		12.26	

Sl. NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Enviro instruments / EI-142 NL	Enviro instruments / EI-133
3	Serial No	R.D.S./198-C-21	PM2.5 /PM10 Sampler / 530-F-2024
4	Calibration Date	24.07.2025	25.04.2025
5	Calibration Due Date	23.07.2026	24.04.2026

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

Authorised Signatory
 Venkatesh S
 Laboratory Incharge

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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- Recognised by Government of Karnataka, Maharashtra, Goa for DGPS survey



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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.gemslp.in

ANNEXURE-04
GEMS-LD/TF/11/01**ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA**

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 Sample collected by : Global Environment & Mining Services LLP
 Discipline : Chemical
 Group : Atmospheric Pollution
 Sample Type : Ambient Air Quality Monitoring
 Particulars of Sample Collected : CO Analyser
 Month : **January 2026**
 Location : **A4-Galemmanagudi Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **06.02.2026**
 Report Number : **GEMS/BMM/NAAQ/2025-26/3796**

RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	05.01.2026	8161	0.15	4.0
2	06.01.2026	8189	0.16	
3	12.01.2026	8446	0.13	
4	13.01.2026	8479	0.17	
5	19.01.2026	8638	0.11	
6	20.01.2026	8685	0.17	
7	27.01.2026	8893	0.16	
8	28.01.2026	8934	0.20	


Note: CO - GEMS/SOP/86/as per CO Analyzer Manual (1 Hour)
 ND - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	Vasthi Instruments Pvt Ltd & VS-70-70-CO
3	Serial No	180883821
4	Calibration Date	12.07.2025
5	Calibration Due Date	11.07.2026

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

Samreen P
 Analysed By
 Samreen P
 Chemist

S. Venkatesh
 Authorised Signatory
 Venkatesh
 Laboratory Incharge



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



Gahalli
Google

Galemmanagudi villege

Time: 05/01/2026 04:42PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



Danapuram
ದನಪುರಂ
Google

galemanagudi villege

Time: 06-01-2026 04:22PM
Altitude: 1339.2ft
Lat/Long: Lat 15.192409 Long 76.377294



Galemmanagudi villege

Time: 12/01/2026 04:55PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



galemanagudi villege

Time: 13-01-2026 04:32PM
Altitude: 1364.5ft
Lat/Long: Lat 15.192341 Long 76.376357



Galemmanagudi villege

Time: 19-01-2026 04:41PM
Altitude: 1364.5ft
Lat/Long: Lat 15.192341 Long 76.376357



Galemmanagudi villege

Time: 20/01/2026 04:58PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



Galemmanagudi villege

Time: 27/01/2026 04:26PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



galemanagudi villege

Time: 28-01-2026 04:06PM
Altitude: 1364.5ft
Lat/Long: Lat 15.192341 Long 76.376357



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.gemslp.in



TC-16180

ANNEXURE-05
GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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 : **January 2026**
 Location : **A5-G Nagalapura Village**
 Duration of Monitoring : 24 Hour
 Report Issue Date : **06.02.2026**
 Report Number : **ULR-TC1618025000003797F**

RESULTS

Parameters			PM10 [µg/m ³]		PM2.5 [µg/m ³]		SO2 [µg/m ³]		NO2 [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)	
Date of Sampling	Date of Received Sample	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD
05.01.2026	06.01.2026	8162	52.25	100	12.14	60	7.31	80	8.93	80
06.01.2026	07.01.2026	8190	46.86		10.96		7.28		8.76	
12.01.2026	13.01.2026	8447	56.55		11.40		6.39		9.06	
13.01.2026	14.01.2026	8480	49.94		10.56		8.83		9.67	
19.01.2026	20.01.2026	8639	37.69		11.96		7.23		7.88	
20.01.2026	21.01.2026	8686	58.34		12.66		7.35		8.57	
27.01.2026	28.01.2026	8894	47.47		8.84		7.59		10.38	
28.01.2026	29.01.2026	8935	50.69		9.21		7.07		8.99	
Average			49.97		10.97		7.38		9.03	

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Enviro instruments / EI-142 NL	Enviro instruments / EI-133 MINI
3	Serial No	R.D.S. / 198-C-21	PM2.5 / PM10 Sampler / 527-F-2024
4	Calibration Date	24.07.2025	23.09.2025
5	Calibration Due Date	23.07.2026	22.09.2026

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

Venkatesh
 Authorised Signatory
 Venkatesh
 Laboratory Incharge

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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- Recognised by Government of Karnataka, Maharashtra, Goa for DGPS survey



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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.gemslp.in

ANNEXURE-05
GEMS-LD/TF/11/01**ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA**

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 Sample collected by : Global Environment & Mining Services LLP
 Discipline : Chemical
 Group : Atmospheric Pollution
 Sample Type : Ambient Air Quality Monitoring
 Particulars of Sample Collected : CO Analyser
 Month : **January 2026**
 Location : **A5- G Nagalapura Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **06.02.2026**
 Report Number : **GEMS/BMMIL/ NAAQ /2025-26/3797**

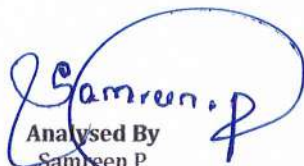
RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	05.01.2026	8162	<0.01	4.0
2	06.01.2026	8190	<0.01	
3	12.01.2026	8447	<0.01	
4	13.01.2026	8480	<0.01	
5	19.01.2026	8639	<0.01	
6	20.01.2026	8686	<0.01	
7	27.01.2026	8894	<0.01	
8	28.01.2026	8935	<0.01	

Note: CO - GEMS/SOP/86/as per CO Analyzer Manual (1 Hour)**ND - Not Detected**

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	Vasthi Instruments Pvt Ltd & VS-70-70-CO
3	Serial No	180883821
4	Calibration Date	12.07.2025
5	Calibration Due Date	11.07.2026

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


 Analysed By
 Samreen P
 Chemist


 Authorised Signatory
 Venkatesh S
 Laboratory Incharge


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



G Nagalapura villege

Time: 05/01/2026 02:08PM
Address: 599G+3QM, Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918



G nagalapura villege

Time: 06-01-2026 02:31PM
Altitude: 1414.4ft
Lat/Long: Lat 15.191545 Long 76.376831





G Nagalapura villege

Time: 19/01/2026 01:59PM
Address: 599G+3QM,Danapuram
Altitude: 458.7m
Lat/Long: Lat 15.167705 Long 76.376918



Galemmanagudi villege

Time: 20/01/2026 04:58PM
Address: 599G+3QM,Danapuram
Altitude: 424.8m
Lat/Long: Lat 15.167705 Long 76.376918





GEMS



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Website : www.gemslp.in



TC-16180

ANNEXURE-06
GEMS-LD/TF/11/01**ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA**

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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 : January 2026
 Location : A6-Gunda Tanda Village
 Duration of Monitoring : 24 Hour
 Report Issue Date : 06.02.2026
 Report Number : ULR-TC1618025000003798F

RESULTS

Parameters			PM ₁₀ [µg/m ³]		PM _{2.5} [µg/m ³]		SO ₂ [µg/m ³]		NO ₂ [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)	
Date of Sampling	Date of Received Sample	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD
05.01.2026	06.01.2026	8163	57.06	100	14.95	60	6.75	80	7.19	80
06.01.2026	07.01.2026	8191	44.75		12.28		7.23		7.65	
12.01.2026	13.01.2026	8448	49.68		11.50		7.31		8.69	
13.01.2026	14.01.2026	8481	48.40		18.22		6.57		7.44	
19.01.2026	20.01.2026	8640	60.72		14.97		8.17		9.27	
20.01.2026	21.01.2026	8687	47.32		10.92		7.51		10.03	
27.01.2026	28.01.2026	8895	49.15		11.94		7.39		8.38	
28.01.2026	29.01.2026	8936	51.55		13.83		6.46		7.85	
Average			51.08		13.58		7.17		8.31	

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Enviro instruments / EI-142 NL	Enviro instruments / EI-133
3	Serial No	R.D.S./200-C-21	PM2.5 / PM10 Sampler / 158-K-20
4	Calibration Date	24.07.2025	25.04.2025
5	Calibration Due Date	23.07.2026	24.04.2026

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

Authorized Signatory
Venkatesh S
Laboratory Incharge

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.
- Recognised by Ministry of Environment, Forest and Climate Change for Laboratory
- Recognised by Government of Karnataka, Maharashtra, Goa for DGFS survey



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ANNEXURE-06
GEMS-LD/TF/11/01

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 Sample collected by : Global Environment & Mining Services LLP
 Discipline : Chemical
 Group : Atmospheric Pollution
 Sample Type : Ambient Air Quality Monitoring
 Particulars of Sample Collected : CO Analyser
 Month : January 2026
 Location : A6-Gunda Tanda Village
 Duration of Monitoring : 1 Hour
 Report Issued Date : 06.02.2026
 Report Number : GEMS/BMMIL/ NAAQ /2025-26/3798

RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	05.01.2026	8163	<0.01	4.0
2	06.01.2026	8191	<0.01	
3	12.01.2026	8448	<0.01	
4	13.01.2026	8481	<0.01	
5	19.01.2026	8640	<0.01	
6	20.01.2026	8687	<0.01	
7	27.01.2026	8895	<0.01	
8	28.01.2026	8936	<0.01	

Note: CO - GEMS/SOP/86/as per CO Analyzer Manual (1 Hour)
 ND - Not Detected

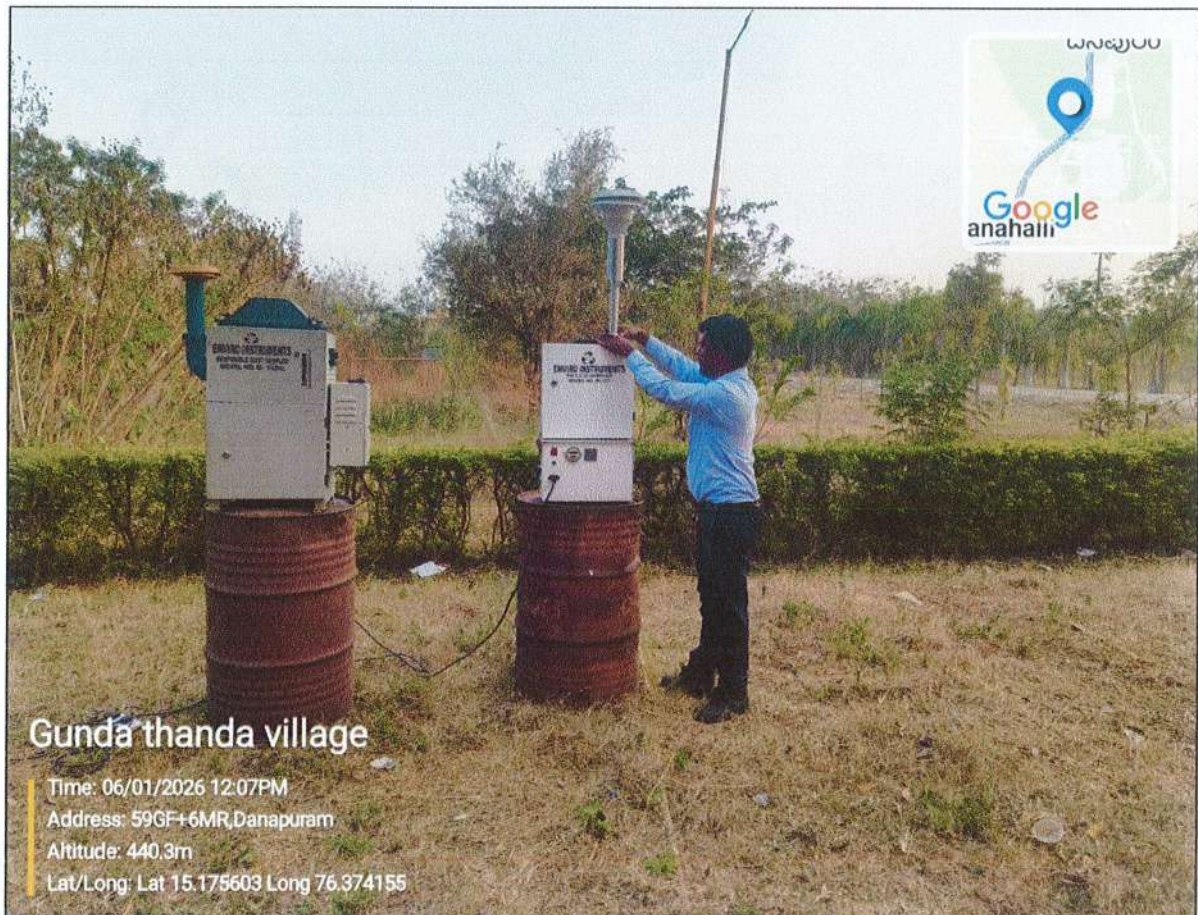
SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	Vasthi Instruments Pvt Ltd & VS-70-70-CO
3	Serial No	180883821
4	Calibration Date	12.07.2025
5	Calibration Due Date	11.07.2026

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

Analysed By
 Samreen P
 Chemist

Authorised Signatory
 Venkatesh
 Laboratory Incharge

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







Gunda thanda village

Time: 19/01/2026 12:14PM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155



Gunda thanda village

Time: 20/01/2026 11:53AM
Address: 59GF+6MR,Danapuram
Altitude: 440.3m
Lat/Long: Lat 15.175603 Long 76.374155





GEMS



NABET

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ANNEXURE-07
GEMS-LD/TF/11/01**FORTNIGHTLY FUGITIVE AIR QUALITY MONITORING DATA**

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	:	Global Environment & Mining Services LLP, Hosapete
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	January 2026 (1st Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4)1999 RA 2014
9	Report Issued Date	:	06.02.2026
10	Report Number	:	GEMS/BMMIL/FM /2025-26/3837

RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Received	SPM ($\mu\text{g}/\text{m}^3$)	Standard
I. Beneficiation Plant-1						
1.	Main Canteen	8271	08.01.2026	09.01.2026	1602.17	2000
2.	Near Iron Ore Bottom Hopper	8270	08.01.2026	09.01.2026	1370.08	2000
3.	Iron Ore Screen	8269	08.01.2026	09.01.2026	1733.32	2000
II. Pellet Plant-I						
4.	Near Pellet Plant	8267	08.01.2026	09.01.2026	696.68	2000
5.	Annual Cooler Pellet Discharge bin	8268	08.01.2026	09.01.2026	779.63	2000
6.	Pellet Stock Yard	8320	09.01.2026	10.01.2026	1869.71	2000
III. Sponge Iron Division-1 (kiln 1 & 2)						
7.	Control Room SID-1	8368	10.01.2026	12.01.2026	431.70	2000
8.	Near Product bin	8370	10.01.2026	12.01.2026	1911.27	2000
9.	Coal Feeding Area	8372	10.01.2026	12.01.2026	1306.98	2000
IV. Induction Furnace & Rolling Mill - 1						
10.	IF Office	8321	09.01.2026	10.01.2026	384.05	2000
11.	TMT Stock Yard	8322	09.01.2026	10.01.2026	1927.46	2000
12.	RML Gasifier	8323	09.01.2026	10.01.2026	615.64	2000
V. Power Plant 25 MW-1						
13.	25 MW ESP	8369	10.01.2026	12.01.2026	355.95	2000
14.	25 MW ACC	8435	12.01.2026	13.01.2026	1262.48	2000
VI. Site Services						
15.	PGP- coal handling system	8324	09.01.2026	10.01.2026	531.73	2000
16.	IF Slag Crusher	8371	10.01.2026	12.01.2026	1348.60	2000
17.	Main Gate	8434	12.01.2026	13.01.2026	864.91	2000
18.	Fly ash Dump	8230	07.01.2026	08.01.2026	835.54	2000

Note: SPM- Suspended Particulate matter. ($\mu\text{g}/\text{m}^3$), INFERENCE: The Measured Values are within the limits.

Sl. NO	INSTRUMENT DETAILS	HVS-01	HVS-02	HVS-03	HVS-04	HVS-05
1	Instrument Name	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler
2	Make & Model	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043	Greentech/GTI-251	Greentech/GTI-251
3	Serial No	H.V.S./39-F-2024	H.V.S./40-F-2024	H.V.S./41-F-2024	460-DTF-2024	193-DTH-2019
4	Calibration Date	30.10.2025	30.10.2025	30.10.2025	25.04.2025	25.04.2025
5	Calibration Due Date	29.11.2026	29.11.2026	29.11.2026	24.04.2026	24.04.2026

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

Samreen P
Analysed By
Samreen P
Chemist

Venkatesh S
Authorised Signatory
Venkatesh S
Laboratory Incharge

GLOBAL ENVIRONMENT & MINING SERVICES LLP
HOSAPETE
KARNATAKA

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ANNEXURE-08
GEMS-LD/TF/11/01

FORTNIGHTLY FUGITIVE AIR QUALITY MONITORING DATA

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
- 5 Month : January 2026 (2nd Fort Night)
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Method adopted : IS 5182 (Part 4)1999 RA 2014
- 9 Report Issued Date : 06.02.2026
- 10 Report Number : GEMS/BMMIL/FM/2025-26/3964

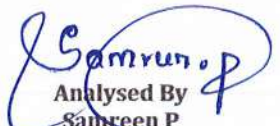
RESULTS

Sl. NO.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ($\mu\text{g}/\text{m}^3$)	Standard
I. Beneficiation Plant-1						
1.	Main Canteen	8709	21.01.2026	22.01.2026	985.39	2000
2.	Near Iron Ore Bottom Hopper	8675	20.01.2026	21.01.2026	1723.57	2000
3.	Iron Ore Screen	8758	22.01.2026	23.01.2026	1965.69	2000
II. Pellet Plant-I						
4.	Near Pellet Plant	8760	22.01.2026	23.01.2026	642.52	2000
5.	Annual Cooler Pellet Discharge bin	8761	22.01.2026	23.01.2026	1128.70	2000
6.	Pellet Stock Yard	8762	22.01.2026	23.01.2026	235.27	2000
III. Sponge Iron Division-1(kiln 1 & 2)						
7.	Control Room SID-I	8820	23.01.2026	24.01.2026	1499.21	2000
8.	Near Product bin	8821	23.01.2026	24.01.2026	1730.67	2000
9.	Coal Feeding Area	8822	23.01.2026	24.01.2026	1072.04	2000
IV. Induction Furnace & Rolling Mill						
10.	IF Office	8825	23.01.2026	24.01.2026	797.63	2000
11.	TMT Stock Yard	8763	22.01.2026	23.01.2026	1207.85	2000
12.	RML Gasifier	8856	24.01.2026	27.01.2026	663.32	2000
V. Power Plant 25 MW-1						
13.	25 MW ESP	8861	24.01.2026	27.01.2026	873.04	2000
14.	25 MW ACC	8855	24.01.2026	27.01.2026	1130.72	2000
VI. Site Services						
15.	PGP- Coal handling system	8764	22.01.2026	23.01.2026	705.04	2000
16.	IF Slag Crusher	8823	23.01.2026	24.01.2026	1027.25	2000
17.	Main Gate	8854	24.01.2026	27.01.2026	421.31	2000
18.	Fly ash Dump	8710	21.01.2026	22.01.2026	413.43	2000

Note: SPM - Suspended Particulate matter ($\mu\text{g}/\text{m}^3$), INFERENCE: The Measured Values are within the limits.

Sl. NO	INSTRUMENT DETAILS	HVS-01	HVS-02	HVS-03	HVS-04	HVS-05
1	Instrument Name	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler
2	Make & Model	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Greentech/GTI-251	Greentech/GTI-251
3	Serial No	H.V.S./39-F-2024	H.V.S./40-F-2024	H.V.S./41-F-2024	460-DTF-2024	193-DTH-2019
4	Calibration Date	30.10.2025	30.10.2025	30.10.2025	25.04.2025	25.04.2025
5	Calibration Due Date	29.11.2026	29.11.2026	29.11.2026	24.04.2026	24.04.2026

End of the Report

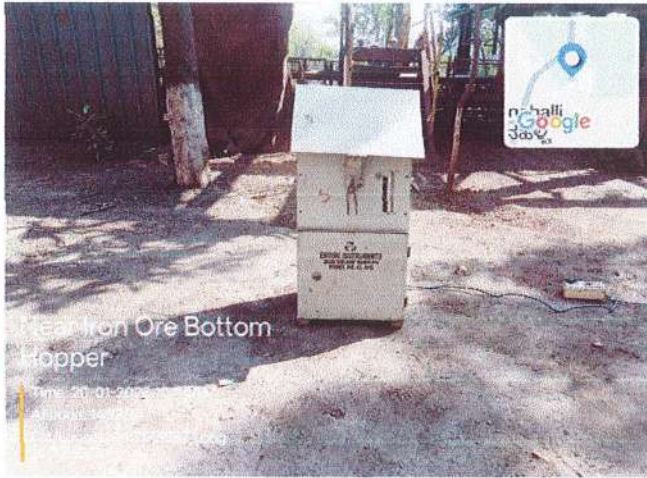

Analysed By
Samreen P
Chemist


Authorized Signatory
Venkatesh S
Laboratory Incharge



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

Beneficiation Plant-I



Sponge Iron Division-1 kiln 1 & 2





Site Services





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ANNEXURE-09
GEMS-LD/TF/11/01

FORTNIGHTLY FUGITIVE AIR QUALITY DATA MONITORING

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	:	Global Environment & Mining Services LLP
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	January 2026 (1 st Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	06.02.2026
10	Report Number	:	GEMS/BMMIL/FM/2025-26/3900

RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ($\mu\text{g}/\text{m}^3$)	Standard
Blast Furnace						
1.	RMHS	8436	12.01.2026	13.01.2026	630.21	2000
2.	Stock House	8438	12.01.2026	13.01.2026	1424.64	2000
3.	Gas Network Area	8437	12.01.2026	13.01.2026	405.41	2000
4.	Blower Area	8468	13.01.2026	14.01.2026	456.33	2000
5.	Gas Cleaning plant (GCP)	8469	13.01.2026	14.01.2026	562.64	2000
6.	Stove Area	8470	13.01.2026	14.01.2026	1056.11	2000
7.	Control ROOM (CR)	8471	13.01.2026	14.01.2026	321.10	2000
8.	Pig Costing Machine (PCM)	8509	14.01.2026	15.01.2026	1239.46	2000
9.	Slag Granulation Plant (SGP)	8510	14.01.2026	15.01.2026	1239.46	2000
10.	Cost House Area	8472	13.01.2026	14.01.2026	819.75	2000
SMS Area						
1.	Stock House/Vibro Feeders	8511	14.01.2026	15.01.2026	329.25	2000
2.	Ladle Tapping	8512	14.01.2026	15.01.2026	556.91	2000
3.	Slag pouring Area	8513	14.01.2026	15.01.2026	783.76	2000
MBM						
1.	Near Re-Heating Furnace	8531	15.01.2026	16.01.2026	377.02	2000

Note: SPM -Suspended Particulate matter ($\mu\text{g}/\text{m}^3$), INFERENCE: The Measured Values are within the limits.

SL NO	INSTRUMENT DETAILS	HVS-01	HVS-02	HVS-03	HVS-04	HVS-05
1	Instrument Name	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler
2	Make & Model	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Greentech/GTI-251	Greentech/GTI-251
3	Serial No	H.V.S./39-F-2024	H.V.S./40-F-2024	H.V.S./41-F-2024	460-DTF-2024	193-DTH-2019
4	Calibration Date	30.10.2025	30.10.2025	30.10.2025	25.04.2025	25.04.2025
5	Calibration Due Date	29.11.2026	29.11.2026	29.11.2026	24.04.2026	24.04.2026

End of the Report

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

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



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

FORTNIGHTLY FUGITIVE AIR QUALITY DATA MONITORING

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	:	Global Environment & Mining Services LLP
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	January 2026 (1st Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	06.02.2026
10	Report Number	:	GEMS/BMMIL/FM/2025-26/3740

RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ($\mu\text{g}/\text{m}^3$)	Standard
I. Beneficiation Plant-II						
1.	Ball Mill Area (Zero Meter)	8060	02.01.2026	03.01.2026	1129.35	2000
2.	Near Cone Crusher	8062	02.01.2026	03.01.2026	501.09	2000
3.	Concentrate Thickner	8061	02.01.2026	03.01.2026	604.30	2000
II. Pellet Plant						
4.	PR-6	8063	02.01.2026	03.01.2026	864.10	2000
5.	Annual Cooler Pellet Discharge bin	8064	02.01.2026	03.01.2026	699.13	2000
6.	Additive Grinding Building	8149	05.01.2026	06.01.2026	974.64	2000
III. Sponge Iron Division -2 (Kiln 3 & 4)						
7.	Control room	8085	03.01.2026	05.01.2026	1162.26	2000
8.	Near Weigh bridge (dispatch)	8086	03.01.2026	05.01.2026	832.50	2000
9.	Pellet Storage bin	8090	03.01.2026	05.01.2026	383.45	2000
10.	Transfer House area	8087	03.01.2026	05.01.2026	1058.30	2000
11.	Production Separation Bin-PSB	8088	03.01.2026	05.01.2026	1139.64	2000
IV. Sponge Iron Division -3 (Kiln 5 & 6)						
12.	Near Control room	8150	05.01.2026	06.01.2026	1829.71	2000
13.	Near Coal Crusher	8152	05.01.2026	06.01.2026	1934.67	2000
14.	Near Product bin	8151	05.01.2026	06.01.2026	1846.39	2000
15.	Coal Dryer	8177	06.01.2026	07.01.2026	595.29	2000
V. Wagon Tipper/RMHS						
16.	Near Tipping point	8153	05.01.2026	06.01.2026	376.50	2000
17.	Monsoon Shed (CPU)	8178	06.01.2026	07.01.2026	1911.37	2000
18.	MCC Room (2 nd Gate)	8181	06.01.2026	07.01.2026	1021.66	2000
Power plant -70M						
19.	70MW-DM Plant (Near R.O. Plant)	8180	06.01.2026	07.01.2026	1753.28	2000
20.	2 nd gate weigh bridge Near Coal Screen	8226	07.01.2026	08.01.2026	241.94	2000
21.	CFBC boiler	8179	06.01.2026	07.01.2026	1291.44	2000
VII. 2X70MW Power Plant						
22.	Near Boiler	8229	07.01.2026	08.01.2026	646.30	2000
23.	Near Coal storage Shed	8227	07.01.2026	08.01.2026	1869.33	2000
24.	Dolochar Processing Area	8228	07.01.2026	08.01.2026	1384.97	2000

Note: SPM -Suspended Particulate matter ($\mu\text{g}/\text{m}^3$), **INFERENCE:** The Measured Values are within the limits.

SL NO	INSTRUMENT DETAILS	HVS-01	HVS-02	HVS-03	HVS-04	HVS-05
1	Instrument Name	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler
2	Make & Model	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Greentech/GTI-251	Greentech/GTI-251
3	Serial No	H.V.S./39-F-2024	H.V.S./40-F-2024	H.V.S./41-F-2024	460-DTF-2024	193-DTH-2019
4	Calibration Date	30.10.2025	30.10.2025	30.10.2025	25.04.2025	25.04.2025
5	Calibration Due Date	29.11.2026	29.11.2026	29.11.2026	24.04.2026	24.04.2026

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

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge

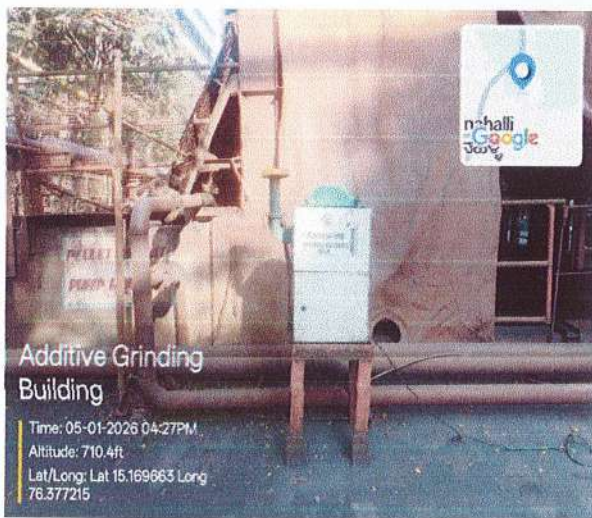
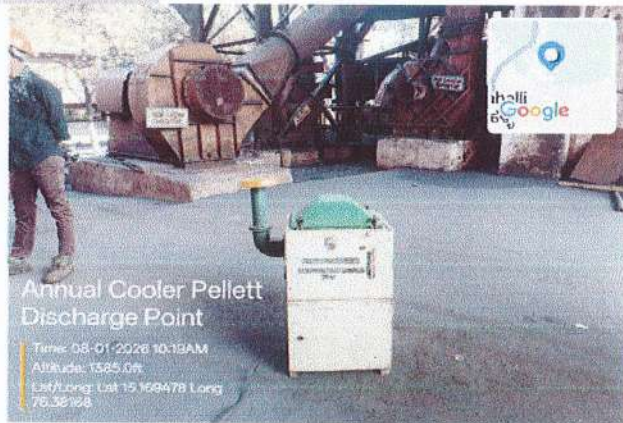


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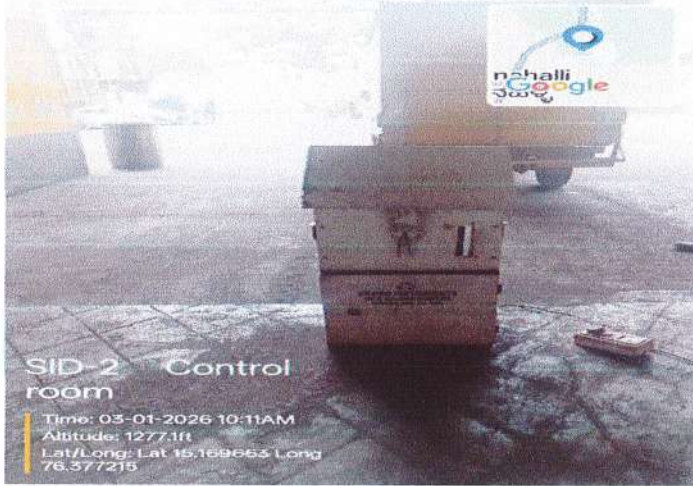
Beneficiation Plant-II



Pellet Plant-II



Sponge Iron Division-2 (Kiln-3&4)



SID-2 Control room

Time: 03-01-2026 10:11AM
Altitude: 1277.1ft
Lat/Long: Lat 15.169663 Long 76.377215



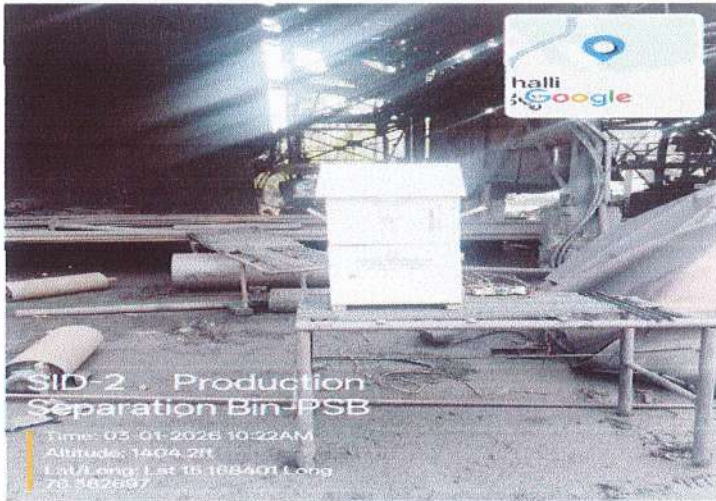
SID-2 Near Weigh bridge (dispatch)

Time: 03-01-2026 10:39AM
Altitude: 1404.2ft
Lat/Long: Lat 15.168401 Long 76.382697



SID-2 Transfer House area

Time: 03-01-2026 10:17AM
Altitude: 1404.2ft
Lat/Long: Lat 15.168401 Long 76.382697



Sponge Iron Division-3 (Kiln 5&6)





SID-3 Near Coal crusher

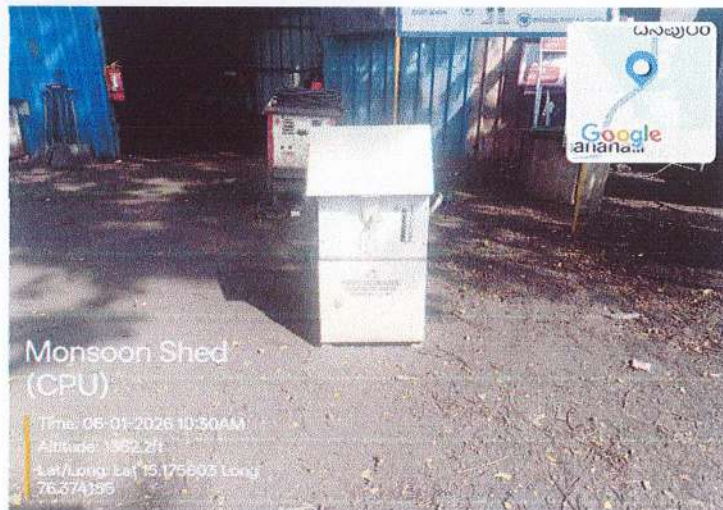
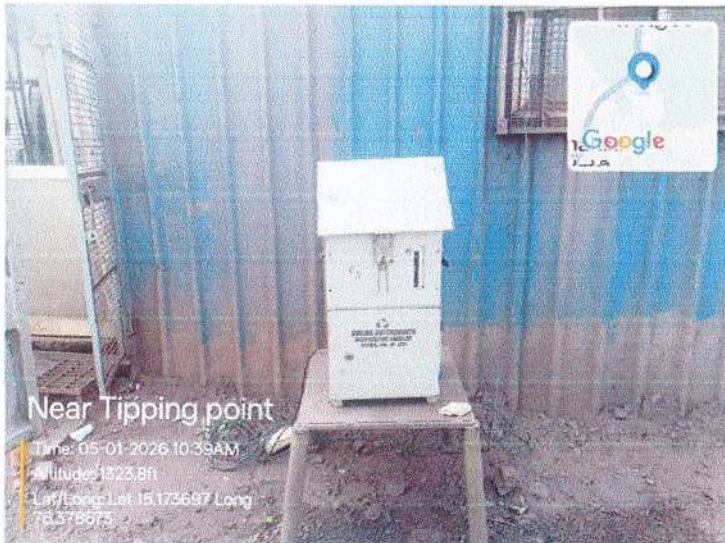
Time: 05-01-2026 10:33AM
Altitude: 1402.6ft
Lat/Long: Lat 15.175697 Long 76.378673



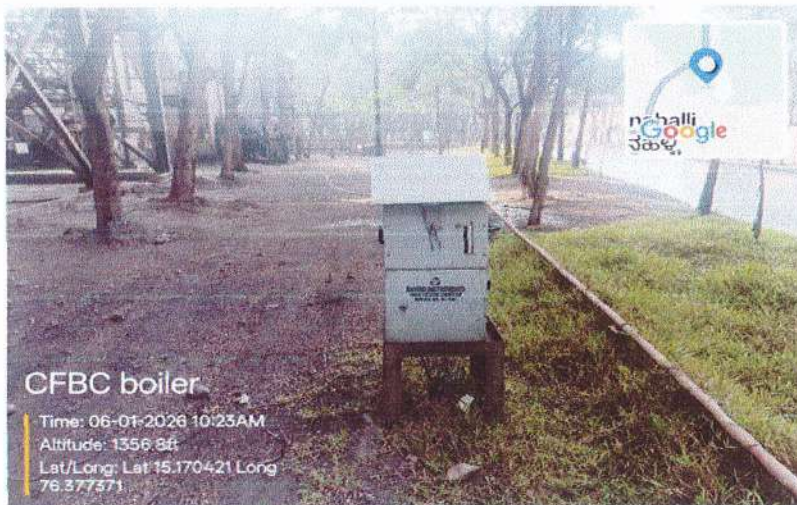
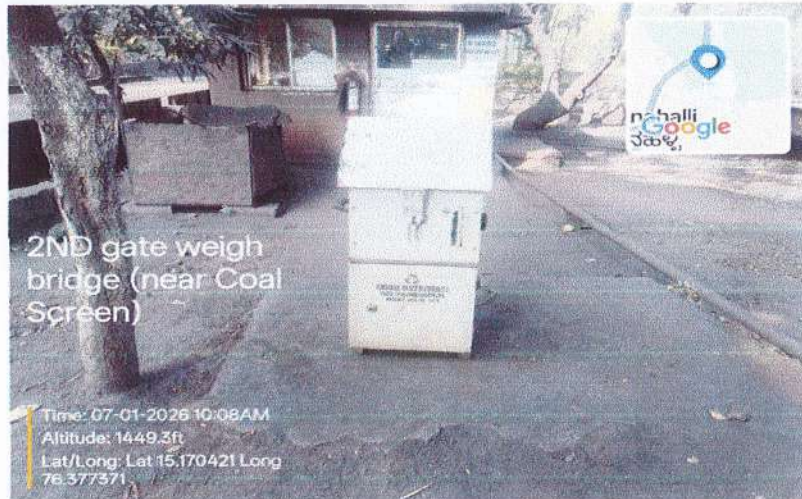
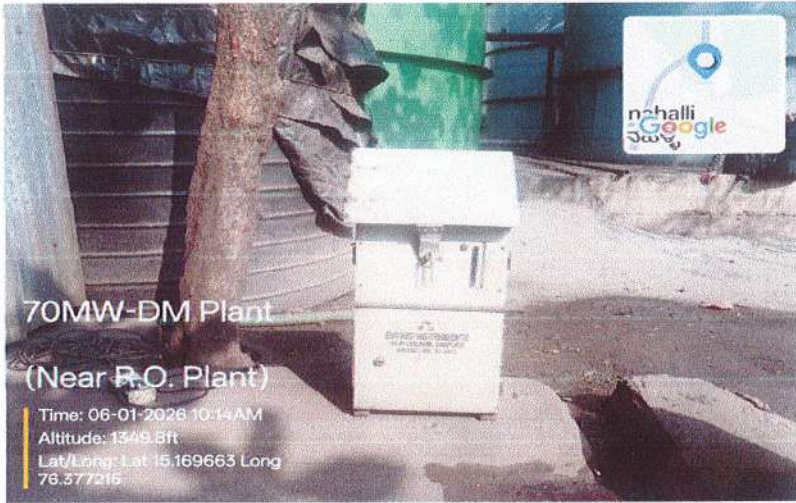
Coal Dryer

Time: 06-01-2026 10:35AM
Altitude: 1362.2ft
Lat/Long: Lat 15.175603 Long 76.374953

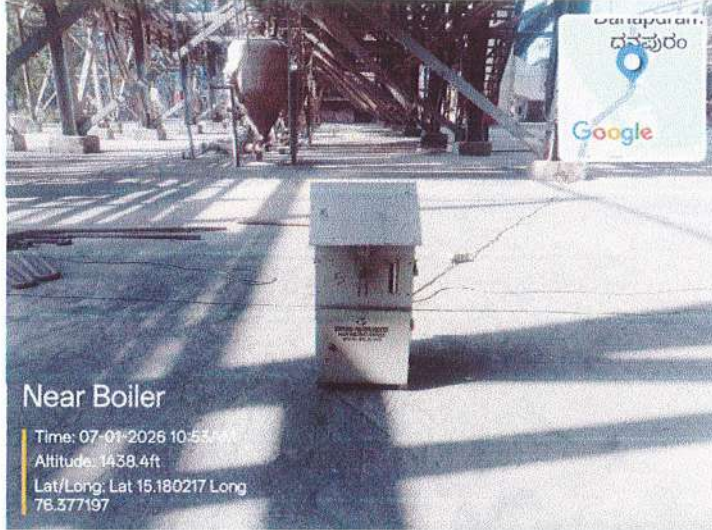
Wagon Tipper / RMHS



Power Plant-70M



2X70 MW Power Plant





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

FORTNIGHTLY FUGITIVE AIR QUALITY DATA MONITORING

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	:	Global Environment & Mining Services LLP
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	January 2026 (2 ND Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	06.02.2026
10	Report Number	:	GEMS/BMMIL/FM/2025-26/3940

RESULTS

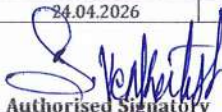

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ($\mu\text{g}/\text{m}^3$)	Standard
I. Beneficiation Plant-II						
1.	Ball Mill Area (Zero Meter)	8561	16.01.2026	17.01.2026	290.61	2000
2.	Near Cone Crusher	8563	16.01.2026	17.01.2026	575.17	2000
3.	Concentrate Thickener	8562	16.01.2026	17.01.2026	450.19	2000
II. Pellet Plant-I						
4.	PR-6	8564	16.01.2026	17.01.2026	503.13	2000
5.	Annual Cooler Pellet Discharge bin	8565	16.01.2026	17.01.2026	550.14	2000
6.	Additive Grinding Building	8628	19.01.2026	20.01.2026	610.44	2000
III. Sponge Iron Division -2 (Kiln 3&4)						
7.	Control room	8589	17.01.2026	19.01.2026	1543.24	2000
8.	Near Weigh bridge (dispatch)	8590	17.01.2026	19.01.2026	609.47	2000
9.	Pellet Storage bin	8593	17.01.2026	19.01.2026	391.25	2000
10.	Transfer House area	8591	17.01.2026	19.01.2026	1266.87	2000
11.	Production Separation Bin-PSB	8592	17.01.2026	19.01.2026	448.35	2000
IV. Sponge Iron Division -2 (Kiln 5&6)						
12.	Near Control room	8930	30.01.2026	31.01.2026	1827.59	2000
13.	Near Coal Crusher	8855	24.01.2026	27.01.2026	1929.01	2000
14.	Near Product bin	8931	30.01.2026	31.01.2026	727.16	2000
15.	Coal Dryer	8627	19.01.2026	20.01.2026	397.22	2000
V. Wagon Tipper/RMHS						
16.	Near Tipping point	8632	19.01.2026	20.01.2026	249.21	2000
17.	Monsoon Shed (CPU)	8631	19.01.2026	20.01.2026	1896.81	2000
18.	MCC Room (2 nd Gate)	8626	19.01.2026	20.01.2026	1356.05	2000
VI. Power Plant-70 MW						
19.	70MW-DM Plant (Near R.O. Plant)	8672	20.01.2026	21.01.2026	746.08	2000
20.	2 nd gate weigh bridge Near Coal Screen	8673	20.01.2026	21.01.2026	1636.12	2000
21.	CFBC boiler	8674	20.01.2026	21.01.2026	443.97	2000
VII. 2X70MW Power Plant						
22.	Near Boiler	8706	21.01.2026	22.01.2026	558.05	2000
23.	Near Coal storage Shed	8707	21.01.2026	22.01.2026	496.05	2000
24.	CPP Dolochar Process Area	8708	21.01.2026	22.01.2026	902.40	2000

Note: SPM -Suspended Particulate matter ($\mu\text{g}/\text{m}^3$), INFERENCE: The Measured Values are within the limits.

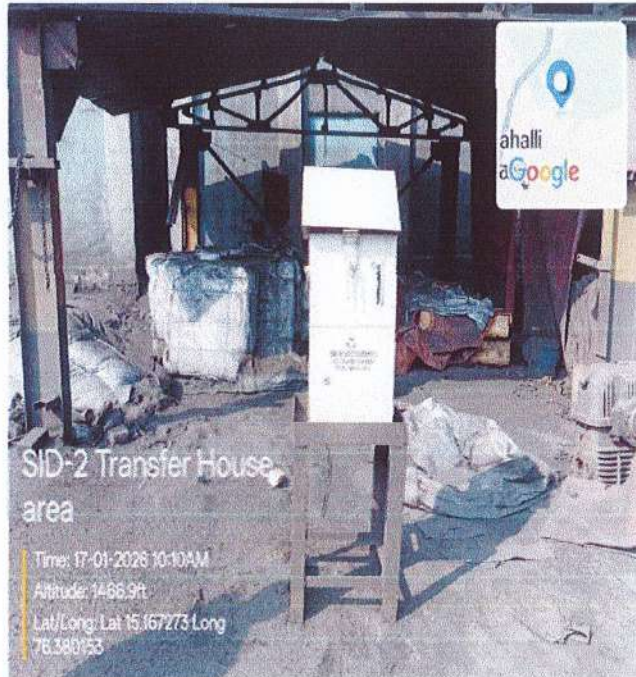
SL NO	INSTRUMENT DETAILS	HVS-01	HVS-02	HVS-03	HVS-04	HVS-05
1	Instrument Name	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler
2	Make & Model	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Greentech/GTI-251	Greentech/GTI-251
3	Serial No	H.V.S./39-F-2024	H.V.S./40-F-2024	H.V.S./41-F-2024	460-DTF-2024	193-DTH-2019
4	Calibration Date	30.10.2025	30.10.2025	30.10.2025	25.04.2025	25.04.2025
5	Calibration Due Date	29.11.2026	29.11.2026	29.11.2026	24.04.2026	24.04.2026

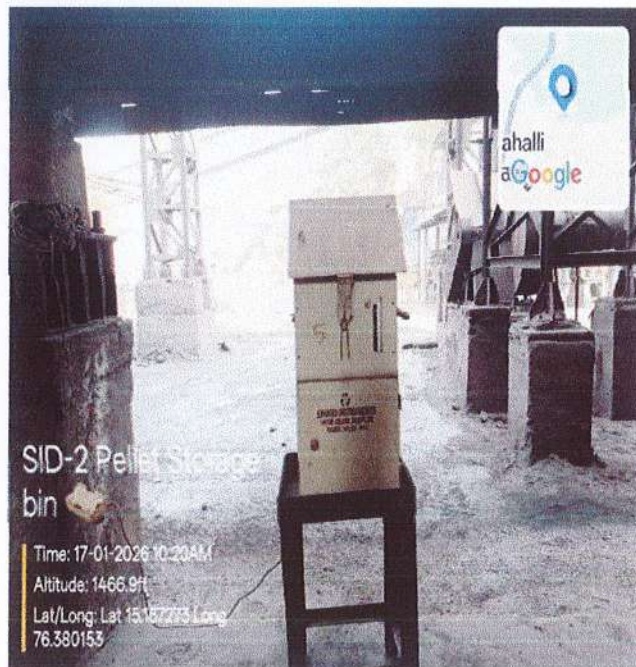
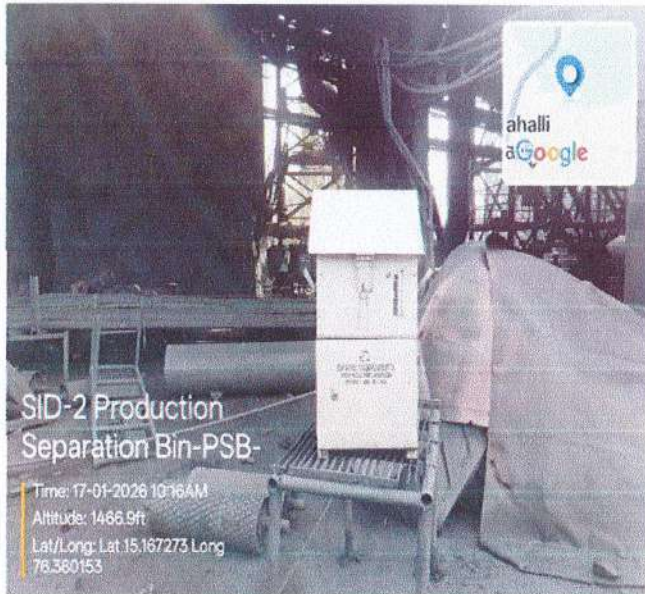
End of the Report

Analysed By


 Authorised Signatory


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







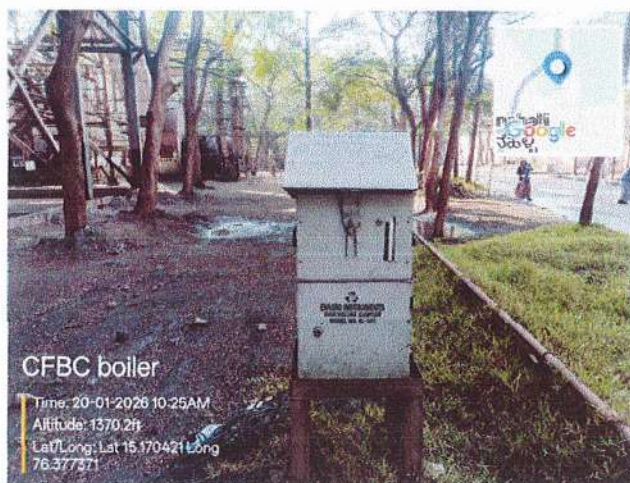
1st MW-DM Plant
(near F.O. Plant)

Time: 20-01-2026 10:17AM
Altitude: 1297.5ft
Lat/Long: Lat 15.170076 Long
76.381338



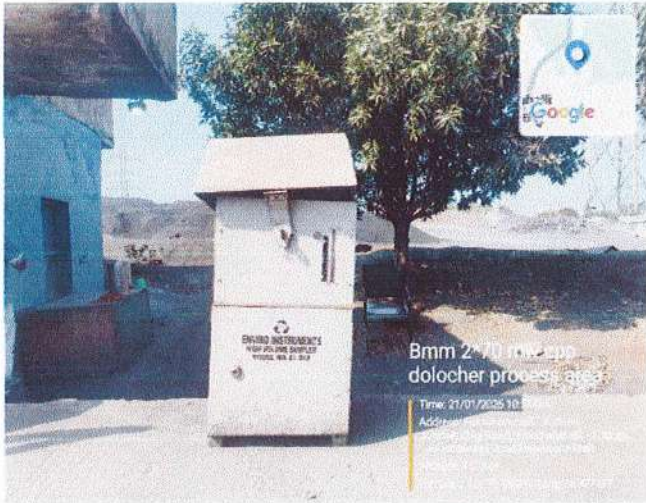
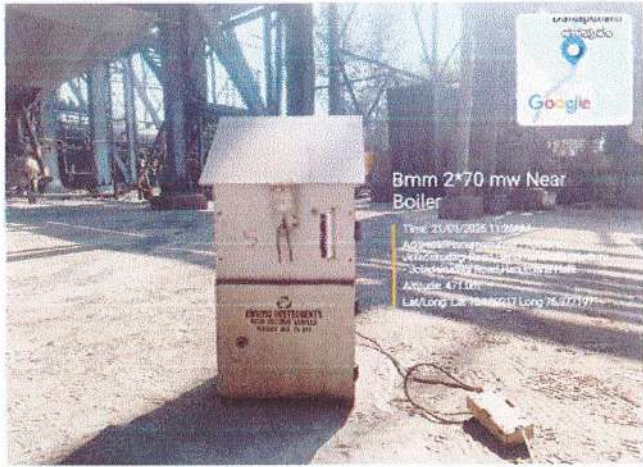
2ND gate weigh
bridge (near Coal
Screen)

Time: 20-01-2026 10:34AM
Altitude: 1434.6ft
Lat/Long: Lat 15.170421 Long
76.377371



CFBC boiler

Time: 20-01-2026 10:25AM
Altitude: 1370.2ft
Lat/Long: Lat 15.170421 Long
76.377371





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Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in

Samreen P
Chemist

Venkatesh S
Laboratory Incharge

ANNEXURE-12
GEMS-LD/TF/11/01

FORTNIGHTLY FUGITIVE AIR QUALITY DATA MONITORING

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
- 5 Month : **January 2026 (2nd Fort Night)**
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Method adopted : IS 5182 (Part 4): 1999 RA 2014
- 9 Report Issued Date : **06.02.2026**
- 10 Report Number : **GEMS/BMMIL/FM/2025-26/3417**

RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ($\mu\text{g}/\text{m}^3$)	Standard
Blast Furnace						
1.	RMHS	8886	27.01.2026	28.01.2026	1931.50	2000
2.	Stock House	8884	27.01.2026	28.01.2026	535.50	2000
3.	Gas Network Area	8885	27.01.2026	28.01.2026	869.77	2000
4.	Blower Area	8881	27.01.2026	28.01.2026	407.03	2000
5.	Gas Cleaning plant (GCP)	8880	27.01.2026	28.01.2026	546.57	2000
6.	Stove Area	8904	28.01.2026	29.01.2026	1550.27	2000
7.	Control ROOM (CR)	8906	28.01.2026	29.01.2026	968.66	2000
8.	Pig Costing Machine (PCM)	8896	28.01.2026	29.01.2026	497.50	2000
9.	Slag Granulation Plant (SGP)	8897	28.01.2026	29.01.2026	706.77	2000
10.	Cost House Area	8898	28.01.2026	29.01.2026	1824.48	2000
SMS Area						
1.	Stock House/Vibro Feeders	8917	29.01.2026	30.01.2026	1611.52	2000
2.	Ladle Tapping	8918	29.01.2026	30.01.2026	1593.85	2000
3.	Slag pouring Area	8919	29.01.2026	30.01.2026	1805.88	2000
MBM						
1.	Near Re-Heating Furnace	8921	29.01.2026	30.01.2026	625.31	2000

Note: SPM -Suspended Particulate matter ($\mu\text{g}/\text{m}^3$), INFERENCE: The Measured Values are within the limits.

SL NO	INSTRUMENT DETAILS	HVS-01	HVS-02	HVS-03	HVS-04	HVS-05
1	Instrument Name	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler
2	Make & Model	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Enviro Instruments/EI-043	Greentech/GTI-251	Greentech/GTI-251
3	Serial No	H.V.S./39-F-2024	H.V.S./40-F-2024	H.V.S./41-F-2024	460-DTF-2024	193-DTH-2019
4	Calibration Date	30.10.2025	30.10.2025	30.10.2025	25.04.2025	25.04.2025
5	Calibration Due Date	29.11.2026	29.11.2026	29.11.2026	24.04.2026	24.04.2026

End of the Report

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

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



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e-mail : gems_hpt@yahoo.com

Website : www.gemslip.in



TC-16180

ANNEXURE-13
GEMS-LD/TF/10/01**Analysis Report of Stack Emission**

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | : | Pellet Plant-1 ESP |
| 10 | Month of Sampling | : | January 2026 |
| 11 | Date of Sample Received | : | 05.01.2026 & 17.01.2026 |
| 12 | Date of Sample Analysis | : | 06.01.2026 & 19.01.2026 |
| 13 | Date of Sample Analysis completion | : | 07.01.2026 & 20.01.2026 |
| 14 | Report Issued Date | : | 06.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003792F |

Stack Details

- | | | |
|---|----------------------|--------------------|
| 1 | Fuel Used | Coal & furnace oil |
| 2 | Stack Height (mtr) | 100.0 |
| 3 | Stack Diameter (mtr) | 4.4 |

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				05.01.2026	17.01.2026	
	Date of Monitoring			8157	8594	
	Sample Code					
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	28	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	63	59	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.33	5.55	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	291797	303841	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	258523	272881	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	25.39	30.21	50
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm ³	121	114	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	14	12	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.014	0.010	1

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

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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TC-16180

ANNEXURE-14
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	:	Global Environment & Mining Services LLP, Hosapete
4	Particulars of sample collected	:	Vayubodhak/ VBSS2 Sl. No: Stack Monitoring Kit/ 32308
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	:	2X100 TPD Sponge iron plant Kiln 1 & 2
10	Month of Sampling	:	January 2026
11	Date of Sample Received	:	08.01.2026 & 27.01.2026
12	Date of Sample Analysis	:	09.01.2026 & 28.01.2026
13	Date of Sample Analysis completion	:	10.01.2026 & 29.01.2026
14	Report Issued Date	:	06.02.2026
15	Report Number	:	ULR-TC1618025000003844F

Stack Details

1	Fuel Used	Coal
2	Stack Height (mtr)	60.0
3	Stack Diameter (mtr)	2.00

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				08.01.2026	27.01.2026	
	Date of Monitoring					
	Sample Code			8275	8892	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	25	27	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	174	171	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	6.11	6.24	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	69111	75214	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	46007	49517	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	15.62	18.97	50
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm ³	283	314	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	38	42	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.101	0.104	1

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

End of the Report

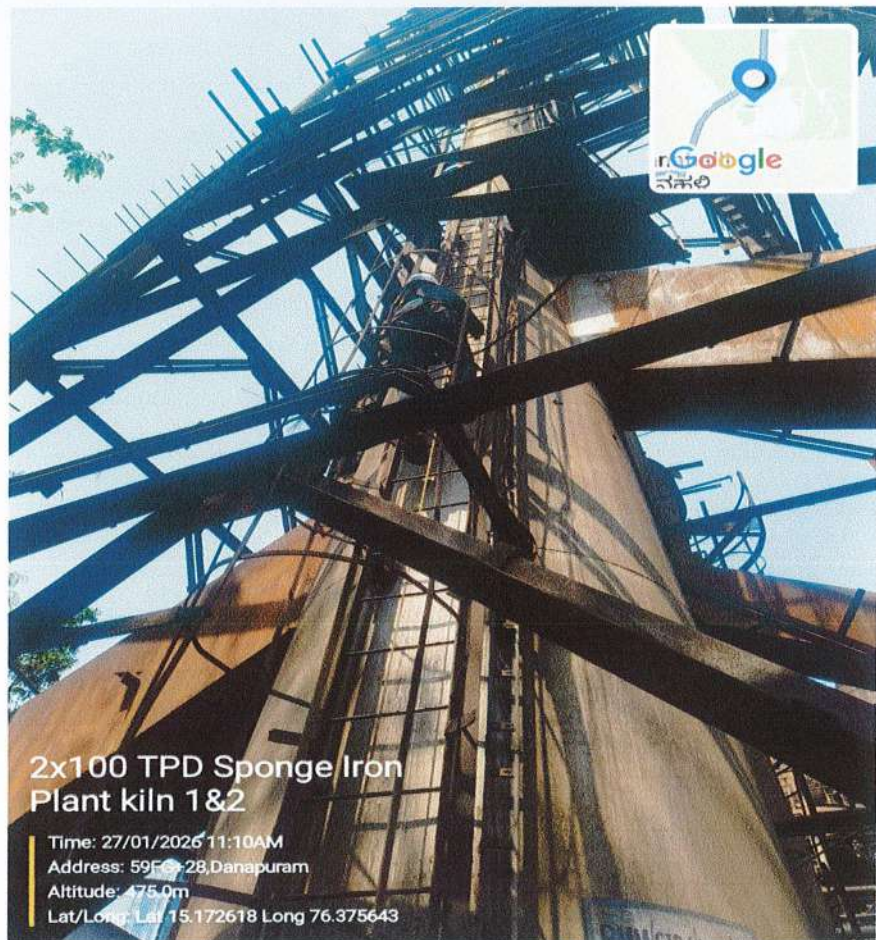
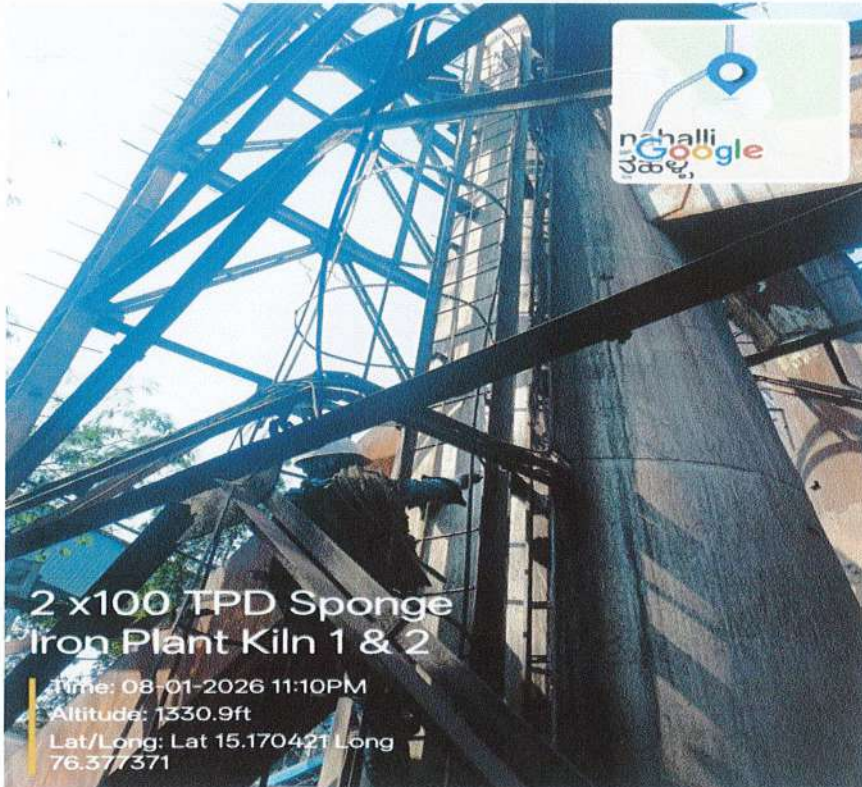
Samreen P
Analysed By
Samreen P
Chemist

Venkatesh
Authorised Signatory
Venkatesh
Laboratory Incharge
Global Environment & Mining Services
HOSPETE

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 JAN - 2026





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



TC-16180

ANNEXURE-15 GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | January 2026(1st Fort Night) |
| 10 | Date of Sample Received | : | - |
| 11 | Date of Sample Analysis | : | - |
| 12 | Date of Sample Analysis completion | : | - |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | - |

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Induction Furnace 1 & 2											
1	Induction Furnace 1	-		Electric Power	-	-	-	30	1.2	-	150
2	Induction Furnace 2	-			-	-	-	30	1.3	-	150

437

Sl. No	Induction Furnance 1 & 2	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
1	Induction Furnance 1	-	-	-
2	Induction Furnance 2	-	-	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

(Signature)
Authorised Signatory
 Venkatesh
 Laboratory Incharge



Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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TC-16180

**ANNEXURE-16
GEMS-LD/TF/10/01****Analysis Report of Stack Emission**

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | : | Rolling Mill Reheating furnace |
| 10 | Month of Sampling | : | January 2026 |
| 11 | Date of Sample Received | : | - |
| 12 | Date of Sample Analysis | : | - |
| 13 | Date of Sample Analysis completion | : | - |
| 14 | Report Issued Date | : | 06.02.2026 |
| 15 | Report Number | : | - |

Stack Details

- | | | |
|---|----------------------|------|
| 1 | Fuel Used | Coal |
| 2 | Stack Height (mtr) | 30.0 |
| 3 | Stack Diameter (mtr) | 0.8 |

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				-	-	
	Date of Monitoring					
	Sample Code					
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	Shutdown	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			NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³			NS
9	Carbon Monoxide	GEMS/SOP/69	%			1

Note: NS- Not Specified. RA: Reaffirmed, INFERENCE:

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

Venkatesh S
Authorised Signatory
 Venkatesh S. HOSAPETE
 Laboratory Incharge
 Global Environment & Mining Services

Note:

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GLOBAL ENVIRONMENT & MINING SERVICES LLP

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TC-16180

ANNEXURE-17
GEMS-LD/TF/10/01**Analysis Report of Stack Emission**

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | : | AFBC Boiler ESP (25 MW Power Plant) |
| 10 | Month of Sampling | : | January 2026 |
| 11 | Date of Sample Received | : | - |
| 12 | Date of Sample Analysis | : | - |
| 13 | Date of Sample Analysis completion | : | - |
| 14 | Report Issued Date | : | 06.02.2026 |
| 15 | Report Number | : | - |

Stack Details

- | | | |
|---|----------------------|------|
| 1 | Fuel Used | Coal |
| 2 | Stack Height (mtr) | 65.0 |
| 3 | Stack Diameter (mtr) | 2.5 |

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				-	-	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	-	-	-
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	Shutdown	Shutdown	-
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	-	-	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	-	-	NS
9	Carbon Monoxide	GEMS/SOP/69	%	-	-	NS

Note: NS- Not Specified. RA: Reaffirmed,

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

Venkatesh
Authorised Signatory
 Venkatesh
 Laboratory Incharge

Note:

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Website : www.gemslp.in



TC-16180

ANNEXURE-18
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308
- 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 Month of Sampling : January 2026 (1st Fort Night)
- 10 Date of Sample Received : 12.01.2026
- 11 Date of Sample Analysis : 13.01.2026
- 12 Date of Sample Analysis completion : 13.01.2026
- 13 Report Issued Date : 06.02.2026
- 14 Report Number : ULR-TC1618025000003905F

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Beneficiation Plant -I											
1	Iron Ore dump hopper	12.01.2026	8441	-	28	32	4.45	30	0.4	16.12	50
2	Iron Ore Screen bin	12.01.2026	8442	-	29	33	4.78	30	0.4	18.66	50

Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
1	Iron Ore dump hopper	2013	1957	-
2	Iron Ore Screen bin	2162	2094	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

End of the Report

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh
Laboratory Incharge

Note:

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TC-16180

ANNEXURE-19
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308
- 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 Month of Sampling : **January 2026 (1st Fort Night)**
- 10 Date of Sample Received : 14.01.2026 & 15.01.2026
- 11 Date of Sample Analysis : 16.01.2026
- 12 Date of Sample Analysis completion : 16.01.2026
- 13 Report Issued Date : **06.02.2026**
- 14 Report Number : **ULR-TC1618025000003933F**

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
RMHS											
3	Screen, Coal Crusher (CPU)	14.01.2026	8517	-	30	37	4.70	35	1.5	22.66	50
4	Main Crusher	15.01.2026	8532	-	27	32	4.33	25	0.5	18.33	50

Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
3	Screen, Coal Crusher (CPU)	29903	28621	-
4	Main Crusher	3061	2987	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

S. Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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Website : www.gemslp.in



TC-16180

ANNEXURE-20
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|------------------------------------|---|---|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2 |
| 5 | Instrument Details | : | Sl. No: Stack Monitoring Kit/ 32308
Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026 |
| 6 | Discipline | : | Chemical |
| 7 | Group | : | Atmospheric Pollution |
| 8 | Sample Type | : | Stack Monitoring |
| 9 | Month of Sampling | : | January 2026 (1st Fort Night) |
| 10 | Date of Sample Received | : | 05.01.2026 & 06.01.2026 |
| 11 | Date of Sample Analysis | : | 06.01.2026 |
| 12 | Date of Sample Analysis completion | : | 06.01.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC16180250000033792F |

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Pellet Plant -I											
5	AGB Main Bag Filter	05.01.2026	8154	-	28	31	4.62	6.5	0.50	22.71	50
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	05.01.2026	8155	-	29	32	4.81	3.0	0.30	23.57	50
7	Bentonite Powder bin top bag filter	05.01.2026	8156	-	30	33	4.54	3.0	0.30	26.82	50
8	H-4 Conveyor discharge bag filter	Shutdown	-	-	-	-	-	7.0	0.50	-	50
9	P-1 Bag Filter	06.01.2026	8183	-	27	37	4.74	7.0	0.50	22.56	50

Sl. No	Pellet Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
5	AGB Main Bag Filter	3266	3196	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	1234	1199	-
7	Bentonite Powder bin top bag filter	1155	1119	-
8	H-4 Conveyor discharge bag filter	-	-	-
9	P-1 Bag Filter	3350	3218	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

Samreen P
Analysed By
Samreen P
Chemist

Venkatesh S
Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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TC-16180

ANNEXURE-21 GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | January 2026 (1st Fort Night) |
| 10 | Date of Sample Received | : | 13.01.2026 & 14.01.2026 |
| 11 | Date of Sample Analysis | : | 15.01.2026 |
| 12 | Date of Sample Analysis completion | : | 15.01.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC1618025000003921F |

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
2 X 100 TPD Sponge Iron Kiln 1 & 2											
10	Cooler-1 Discharge & Blending Chute	13.01.2026	8473	---	29	35	4.66	30	1.20	23.84	50
11	Cooler-2 Discharge	13.01.2026	8474	---	30	36	4.77	30	1.20	26.88	50
12	Intermediate Bin & Blending	14.01.2026	8514	---	27	33	4.50	30	1.20	20.33	50
13	Product House	14.01.2026	8515	---	29	34	4.87	30	1.20	30.51	50

Sl. No	2 X 100 TPD Sponge Iron Kiln 1 & 2	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
10	Cooler-1 Discharge & Blending Chute	19790	19074	-
11	Cooler-2 Discharge	19423	18672	-
12	Intermediate Bin & Blending	18324	17833	-
13	Product House	19830	19206	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

Samreen P
 Analysed By
 Samreen P
 Chemist

S. Venkatesh
 Authorised Signatory
 Venkatesh
 Laboratory Incharge

Note:

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Website : www.gemslp.in



TC-16180

ANNEXURE-22
GEMS-LD/TF/10/01**Analysis Report of Stack Emission**

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | January 2026(2ndFort Night) |
| 10 | Date of Sample Received | : | - |
| 11 | Date of Sample Analysis | : | - |
| 12 | Date of Sample Analysis completion | : | - |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | - |

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Induction Furnance 1 & 2											
1	Induction Furnance 1	SHUT DOWN	-	Electric	-	-	-	30	1.2	-	50
2	Induction Furnance 2	SHUT DOWN	-	Power	-	-	-	30	1.3	-	50

Sl. No	Induction Furnance 1 & 2	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
1	Induction Furnance 1	-	-	-
2	Induction Furnance 2	-	-	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

S. Venkatesh
Authorised Signatory
 Venkatesh
 Laboratory Incharge

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Website : www.gemslp.in



TC-16180

ANNEXURE-23
GEMS-LD/TF/10/01**Analysis Report of Stack Emission**

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308
- 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 Month of Sampling : January 2026 (2nd Fort Night)
- 10 Date of Sample Received : 28.01.2026
- 11 Date of Sample Analysis : 29.01.2026
- 12 Date of Sample Analysis completion : 29.01.2026
- 13 Report Issued Date : 06.02.2026
- 14 Report Number : **ULR-TC1618025000004051F**

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Beneficiation Plant											
1	Iron Ore dump hopper	28.01.2026	8910	---	28	32	4.62	30	0.40	18.82	50
2	Iron Ore Screen bin	28.01.2026	8911	---	29	35	4.49	30	0.40	15.31	50

Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
1	Iron Ore dump hopper	2001	1986	-
2	Iron Ore Screen bin	2039	1883	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh
Laboratory Incharge

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GLOBAL ENVIRONMENT & MINING SERVICES LLP

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Website : www.gemslp.in



TC-16180

ANNEXURE-24
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP, Hosapete
- 4 Particulars of sample collected : Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308
- 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 Month of Sampling : January 2026 (2nd Fort Night)
- 10 Date of Sample Received : 27.01.2026 & 30.01.2026
- 11 Date of Sample Analysis : 31.01.2026
- 12 Date of Sample Analysis completion : 31.01.2026
- 13 Report Issued Date : 06.02.2026
- 14 Report Number : ULR-TC1618025000004042F

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
RMHS											
3	Screen, Coal Crusher (CPU)	27.01.2026	8890	-	29	40	4.66	30	1.50	27.56	50
4	Main Crusher	30.01.2026	8891	-	29	39	4.34	25	0.50	13.81	50

Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
3	Screen, Coal Crusher (CPU)	28824	25684	-
4	Main Crusher	3184	3066	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge

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 & Thinbles After analysis Discard 7 days.
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Website : www.gemslp.in



TC-16180

ANNEXURE-25 GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | January 2026 (2nd Fort Night) |
| 10 | Date of Sample Received | : | 17.01.2026 & 19.01.2026 |
| 11 | Date of Sample Analysis | : | 20.01.2026 |
| 12 | Date of Sample Analysis completion | : | 20.01.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC1618025000003961F |

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Pellet Plant-I											
5	AGB Main Bag Filter	17.01.2026	8595	---	29	32	4.69	6.5	0.50	20.27	50
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	17.01.2026	8596	---	30	34	4.77	3.0	0.30	25.14	50
7	Bentonite Powder bin top bag filter	17.01.2026	8597	---	31	35	4.67	3.0	0.30	22.87	50
8	H-4 Conveyor discharge bag filter	-	-	---	-	-	-	7.0	0.50	-	50
9	P-1 Bag Filter	19.01.2026	8641	---	29	38	4.82	7.0	0.50	25.61	50

Sl. No	Pellet Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
5	AGB Main Bag Filter	3315	3234	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	1213	1173	-
7	Bentonite Powder bin top bag filter	1188	1144	-
8	H-4 Conveyor discharge bag filter	-	-	-
9	P-1 Bag Filter	3441	3309	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh
Laboratory Incharge

Note:

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TC-16180

ANNEXURE-26
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|------------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP, Hosapete |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | January 2026(2nd Fort Night) |
| 10 | Date of Sample Received | : | 29.01.2026 & 30.01.2026 |
| 11 | Date of Sample Analysis | : | 31.01.2026 |
| 12 | Date of Sample Analysis completion | : | 31.01.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC1618025000004051F |

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/N m ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
2 X 100 TPD Sponge Iron Kiln 1 & 2											
10	Cooler-1 Discharge & Blending Chute	29.01.2026	8922	---	29	35	4.51	30	1.20	22.97	50
11	Cooler-2 Discharge	29.01.2026	8923	---	-	-	-	30	1.20	-	50
12	Intermediate Bin & Blending	29.01.2026	8924	---	28	32	4.29	30	1.20	24.56	50
13	Product House	30.01.2026	8935	---	28	34	4.66	30	1.20	29.37	50

Sl. No	2 X 100 TPD Sponge Iron Kiln 1 & 2	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
10	Cooler-1 Discharge & Blending Chute	17652	17127	-
11	Cooler-2 Discharge	-	-	-
12	Intermediate Bin & Blending	18121	17869	-
13	Product House	17521	17008	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

End of the Report

Samreen P
Analysed By
Samreen P
Chemist

Venkatesh S
Authorised Signatory
Venkatesh S
Laboratory Incharge

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 Website : www.gemslp.in



TC-16180

ANNEXURE-27
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|---------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | : | Pellet Plant-2 ESP |
| 10 | Month of Sampling | : | January 2026 |
| 11 | Date of Sample Received | : | 02.01.2026 & 16.01.2026 |
| 12 | Date of Sample Analysis | : | 03.01.2026 & 17.01.2026 |
| 13 | Date Sample Analysis Completion | : | 05.01.2026 & 19.01.2026 |
| 14 | Report Issued Date | : | 06.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003184F |

Stack Details

- | | | |
|---|----------------------|------|
| 1 | Fuel Used | Coal |
| 2 | Stack Height (mtr) | 100 |
| 3 | Stack Diameter (mtr) | 4.4 |

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				02.01.2026	16.01.2026	
	Date of Monitoring					
	Sample Code			8066	8566	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	28	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	59	64	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.43	5.28	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	297271	289059	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	266512	255507	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	33.84	33.14	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	148	129	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005(RA 2017)	mg/Nm ³	31	28	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.014	0.015	1%

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

Venkatesh
 Authorised Signatory
 Venkatesh
 Laboratory Incharge

Note:

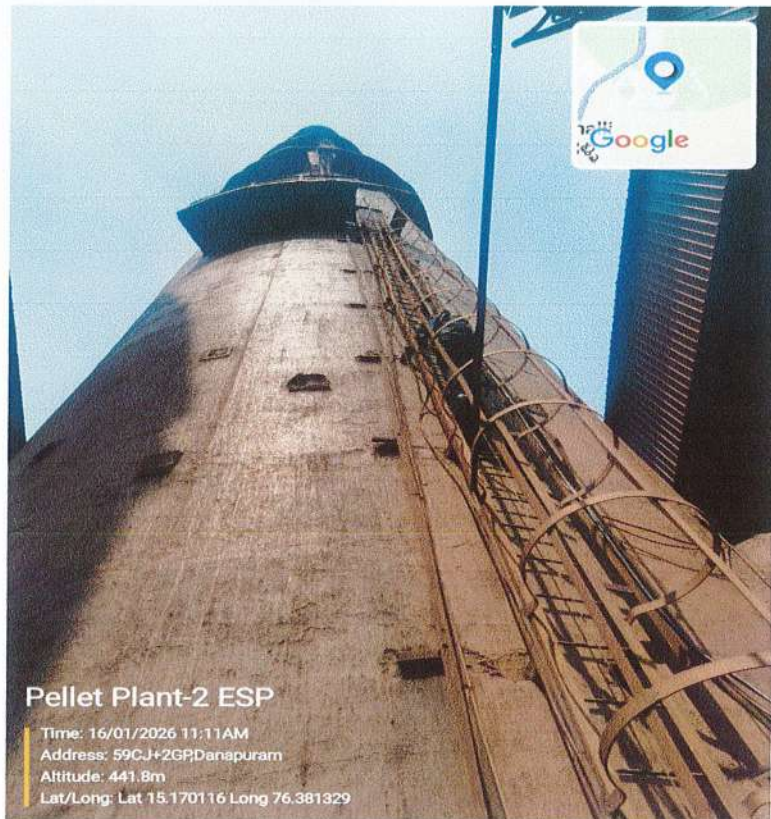
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STACK JAN - 2026



Pellet Plant -2 ESP

Time: 02-01-2026 12:11AM
Altitude: 1435.2ft
Lat/Long: Lat 15.169478 Long 76.38168



Pellet Plant-2 ESP

Time: 16/01/2026 11:11AM
Address: 59CJ+2GPDanapuram
Altitude: 441.8m
Lat/Long: Lat 15.170116 Long 76.381329



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Website : www.gemslp.in



TC-16180

ANNEXURE-28
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | |
|----|---------------------------------|--|
| 1 | Name of the Industry | : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | : SID Axis 3&4 |
| 10 | Month of Sampling | : January 2026 |
| 11 | Date of Sample Received | : 03.01.2026 & 19.01.2026 |
| 12 | Date of Sample Analysis | : 05.01.2026 & 20.01.2026 |
| 13 | Date Sample Analysis Completion | : 06.01.2026 & 21.01.2026 |
| 14 | Report Issued Date | : 06.02.2026 |
| 15 | Report Number | : ULR-TC1618025000003765F |

Stack Details

- | | | |
|---|----------------------|------|
| 1 | Fuel Used | Coal |
| 2 | Stack Height (mtr) | 70.0 |
| 3 | Stack Diameter (mtr) | 3.00 |

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				03.01.2026	19.01.2026	
	Date of Monitoring			8092	8642	
	Sample Code					
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	30	28	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	126	122	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	6.14	5.56	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	143156	147539	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	113578	108915	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	27.56	30.27	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	363	284	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005(RA 2017)	mg/Nm ³	24	25	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.079	0.042	1%

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

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

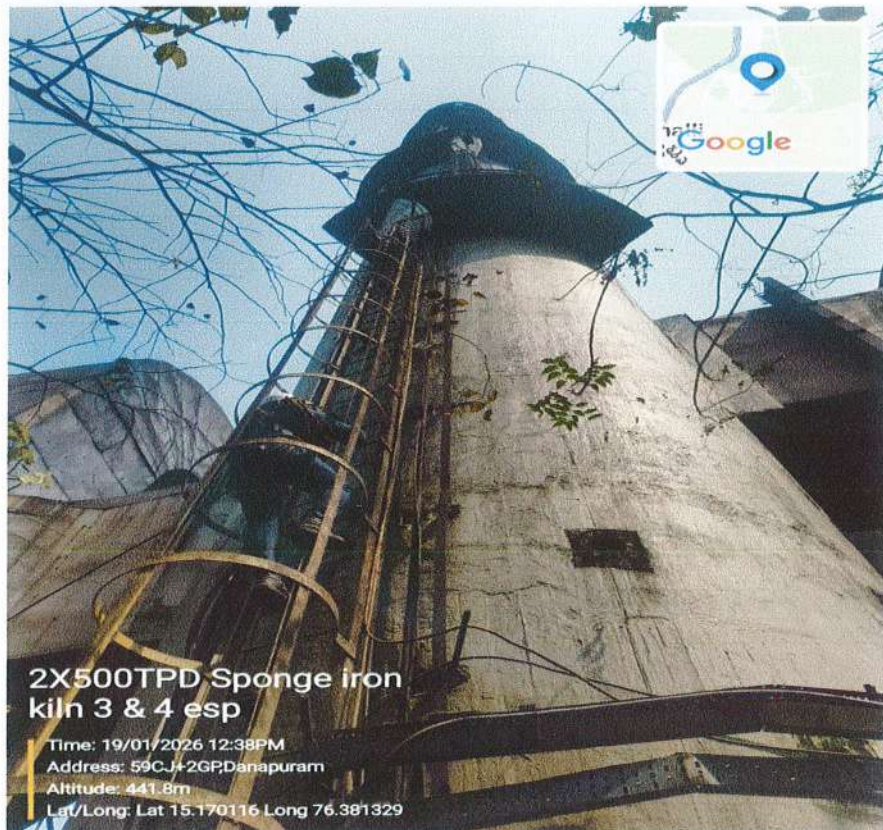
Samreen P
Analysed By
Samreen P
Chemist

Venkatesh S
Authorised Signatory
Venkatesh S
Laboratory Incharge
GLOBAL ENVIRONMENT & MINING SERVICES
HOSPETE

Note:

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STACK JAN - 2026





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Website : www.gemslp.in



TC-16180

ANNEXURE-29
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	:	GLOBAL Environment & Mining Services
4	Particulars of sample collected	:	Vayubodhak/ VBSS2 Sl. No: Stack Monitoring Kit/ 32308
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	:	SID Axis 5&6
10	Month of Sampling	:	January 2026
11	Date of Sample Received	:	06.01.2026 & 20.01.2026
12	Date of Sample Analysis	:	07.01.2026 & 21.01.2026
13	Date Sample Analysis Completion	:	08.01.2026 & 22.01.2026
14	Report Issued Date	:	06.02.2026
15	Report Number	:	ULR-TC1618025000003233F

Stack Details

1	Fuel Used	Coal
2	Stack Height (mtr)	70.0
3	Stack Diameter (mtr)	3.00

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				06.01.2026	20.01.2026	
	Date of Monitoring			8182	8677	
	Sample Code					
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	29	30	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	127	132	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	6.53	6.27	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	174387	165798	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	127428	116724	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	31.96	33.57	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	592	557	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	41	39	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.109	0.112	1%

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

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

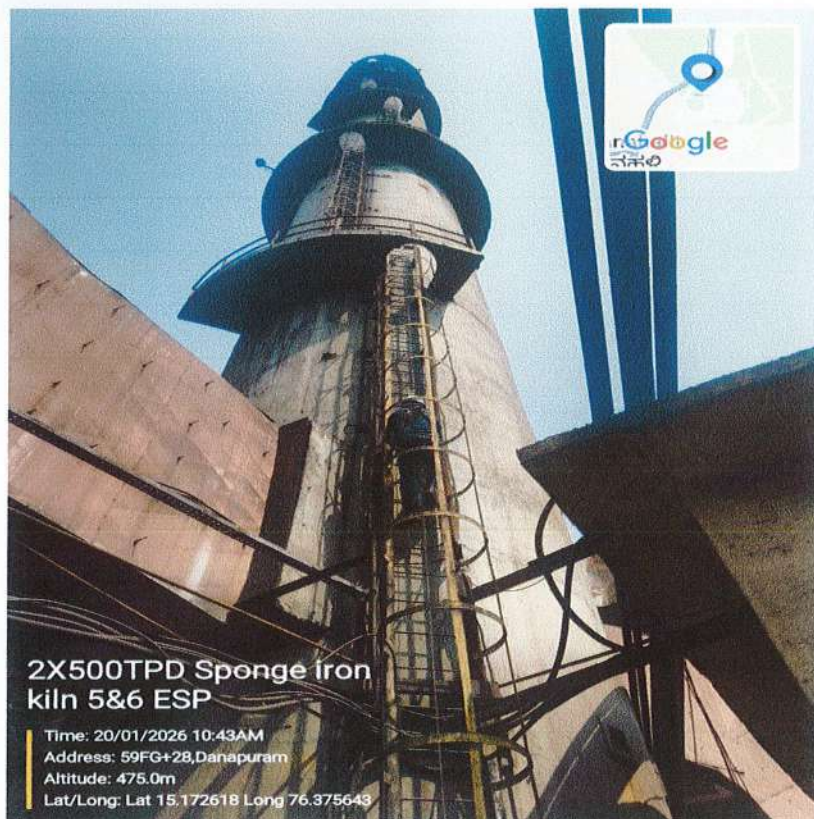
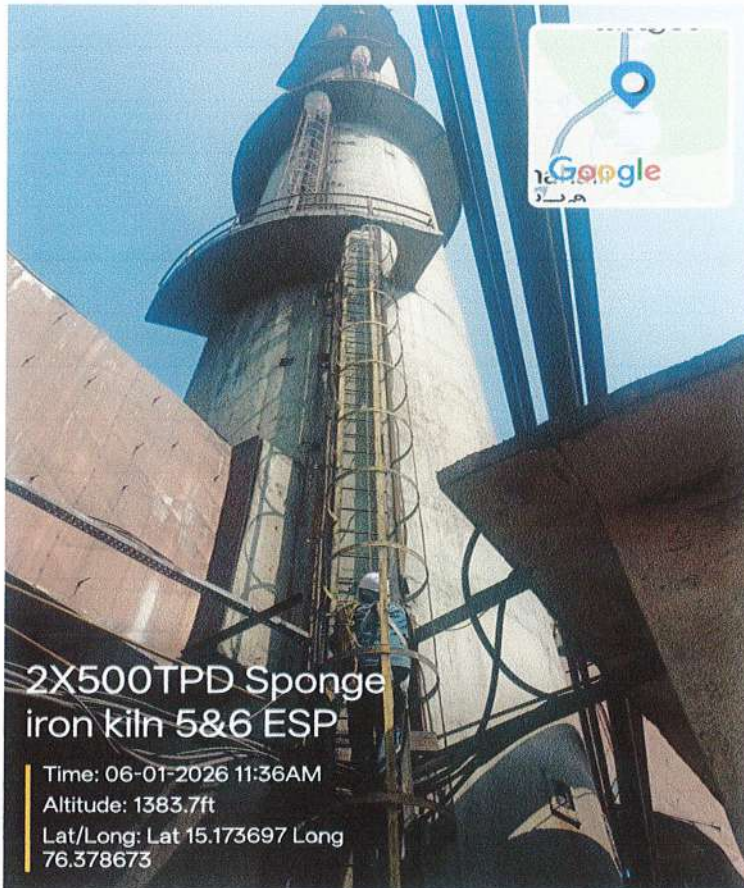
Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge
Global Environment & Mining Services
HOSPET

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STACK JAN - 2026





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Website : www.gemslp.in



TC-16180

ANNEXURE-30
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|---------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | : | 1X70 MW-CFBC Boiler ESP |
| 10 | Month of Sampling | : | January 2026 |
| 11 | Date of Sample Received | : | - |
| 12 | Date of Sample Analysis | : | - |
| 13 | Date Sample Analysis Completion | : | - |
| 14 | Report Issued Date | : | 06.02.2026 |
| 15 | Report Number | : | - |

Stack Details

- | | | |
|---|----------------------|------|
| 1 | Fuel Used | Coal |
| 2 | Stack Height (mtr) | 70.0 |
| 3 | Stack Diameter (mtr) | 3.00 |

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				Date of Monitoring Sample Code		
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C			-
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)1985(RA 2014)	m ³ /hr			-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	Shutdown	Shutdown	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³			50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³			NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³			NS
9	Carbon Monoxide	GEMS/SOP/69	%			1%

Note: NS- Not Specified. RA: Reaffirmed. **INFERENCE:**

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

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh
Laboratory Incharge
GLOBAL ENVIRONMENT & MINING SERVICES
HOSPETE

Note:

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TC-16180

ANNEXURE-31
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	: GLOBAL Environment & Mining Services
4	Particulars of sample collected	: Vayubodhak/ VBSS2 Sl. No: Stack Monitoring Kit/ 32308
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	: 2X70 MW CFBC Boiler ESP
10	Month of Sampling	: January 2026
11	Date of Sample Received	: 07.01.2026 & 21.01.2026
12	Date of Sample Analysis	: 08.01.2026 & 22.01.2026
13	Date Sample Analysis Completion	: 09.01.2026 & 23.01.2026
14	Report Issued Date	: 06.02.2026
15	Report Number	: ULR-TC1618025000003268F

Stack Details

1	Fuel Used	Coal
2	Stack Height (mtr)	110.0
3	Stack Diameter (mtr)	8.00

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				07.01.2026	21.01.2026	
	Date of Monitoring					
	Sample Code			8231	8711	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	27	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	113	126	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.70	6.83	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	103158	124759	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	794411	895279	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	33.42	31.79	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	31	34	600
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	196	221	300
9	Carbon Monoxide	GEMS/SOP/69	%	0.019	0.021	NS

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

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

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



TC-16180

ANNEXURE-32
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	:	GLOBAL Environment & Mining Services
4	Particulars of sample collected	:	Vayubodhak/ VBSS2 Sl. No: Stack Monitoring Kit/ 32308
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	:	SMS
10	Month of Sampling	:	January 2026
11	Date of Sample Received	:	09.01.2026 & 22.01.2026
12	Date of Sample Analysis	:	10.01.2026 & 23.01.2026
13	Date Sample Analysis Completion	:	12.01.2026 & 24.01.2026
14	Report Issued Date	:	06.02.2026
15	Report Number	:	ULR-TC1618025000003866F

Stack Details

1	Fuel Used	-
2	Stack Height (mtr)	86
3	Stack Diameter (mtr)	2.4

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				09.01.2026	22.01.2026	
	Date of Monitoring			8325	8768	
	Sample Code					
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	29	30	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	69	69	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.57	5.82	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	90724	87597	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	79333	73956	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	21.93	19.32	50

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

End of the Report

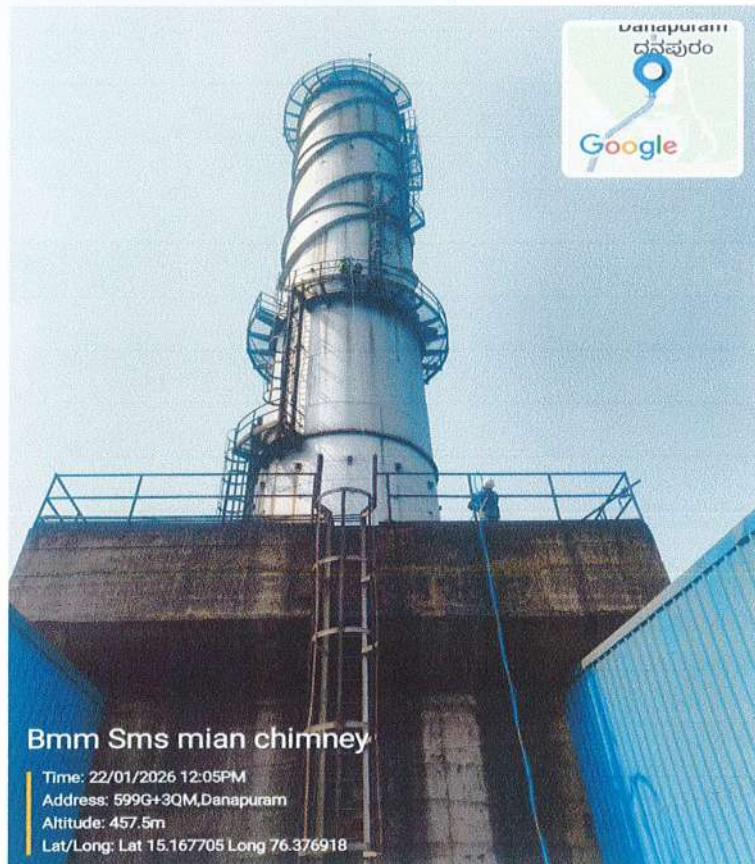
Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge
GLOBAL ENVIRONMENT & MINING SERVICES LLP
HOSPETE

Note:

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TC-16180

ANNEXURE-33
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	: GLOBAL Environment & Mining Services
4	Particulars of sample collected	: Vayubodhak/ VBSS2 Sl. No: Stack Monitoring Kit/ 32308
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	: Barmill
10	Month of Sampling	: January 2026
11	Date of Sample Received	: 10.01.2026 & 23.01.2026
12	Date of Sample Analysis	: 12.01.2026 & 24.01.2026
13	Date Sample Analysis Completion	: 13.01.2026 & 27.01.2026
14	Report Issued Date	: 06.02.2026
15	Report Number	: ULR-TC1618025000003890F

Stack Details

1	Fuel Used	-
2	Stack Height (mtr)	87
3	Stack Diameter (mtr)	3.0

Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 ST Fort Night	2 nd Fort Night	
				10.01.2026	23.01.2026	
	Date of Monitoring					
	Sample Code			8374	8829	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	28	30	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	118	121	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.63	6.59	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	143284	149358	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	109189	118193	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	18.33	19.86	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	251	278	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	17	24	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.317	0.419	NS

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

End of the Report

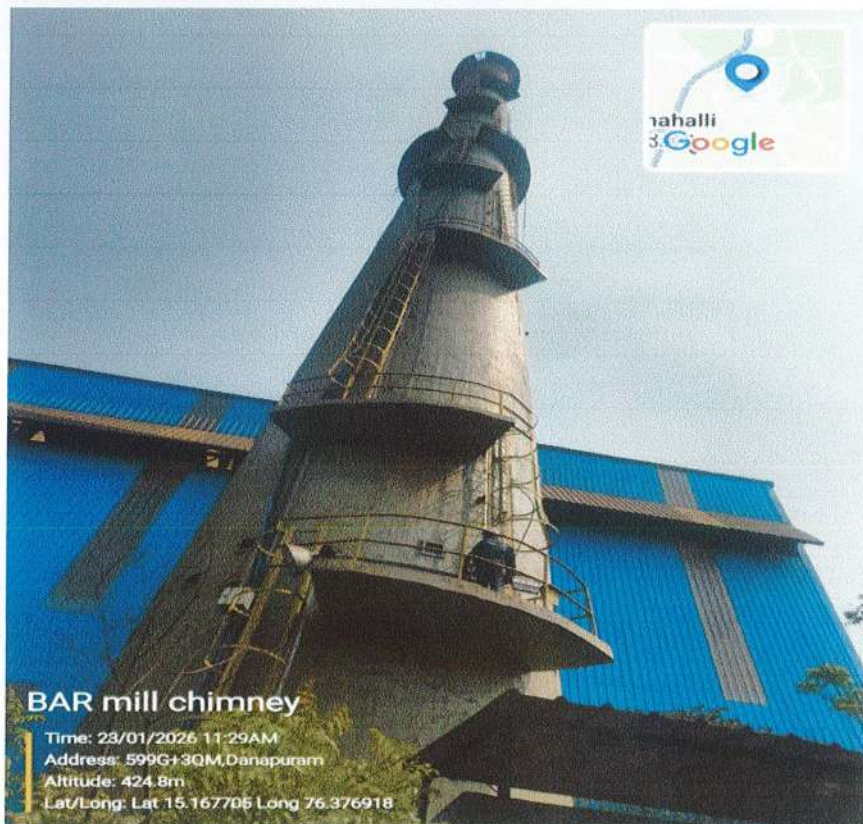
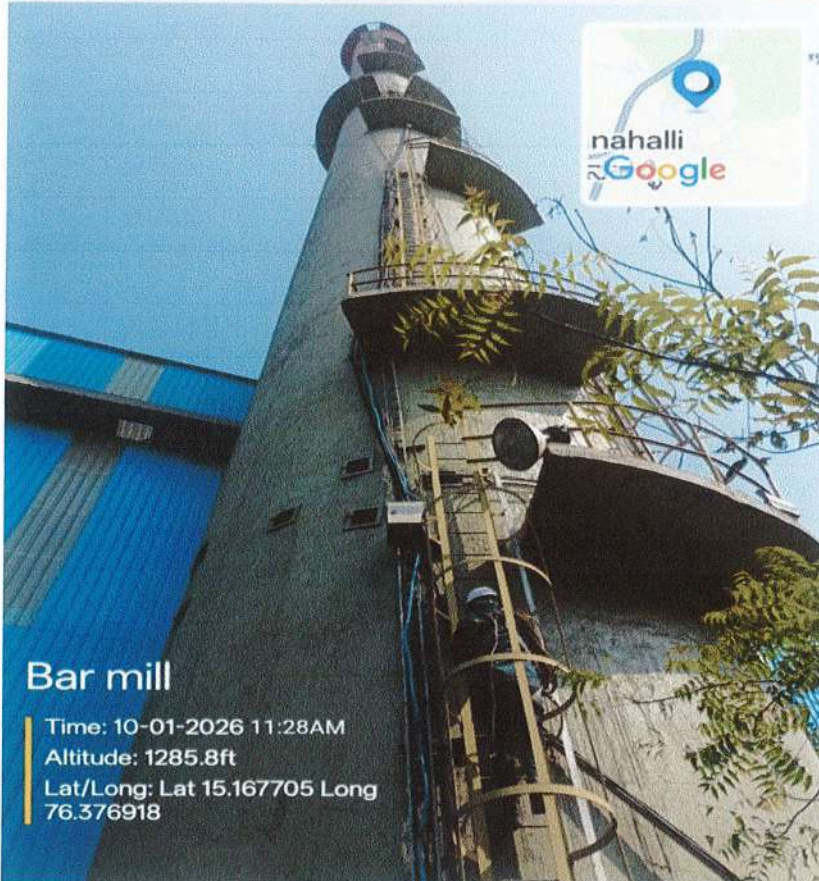
Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S HOSPET
Laboratory Incharge
GLOBAL ENVIRONMENT & MINING SERVICES

Note:

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TC-16180

ANNEXURE-34
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	: GLOBAL Environment & Mining Services
4	Particulars of sample collected	: Vayubodhak/ VBSS2 Sl. No: Stack Monitoring Kit/ 32308
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	: Blast Furnace -Stove Waste Gas
10	Month of Sampling	: January 2026
11	Date of Sample Received	: 12.01.2026 & 24.01.2026
12	Date of Sample Analysis	: 13.01.2026 & 27.01.2026
13	Date Sample Analysis Completion	: 14.01.2026 & 28.01.2026
14	Report Issued Date	: 06.02.2026
15	Report Number	: ULR-TC1618025000003889F

Stack Details

1	Fuel Used	-
2	Stack Height (mtr)	80
3	Stack Diameter (mtr)	2.4

Emission Details

Sl. No	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				12.01.2026	24.01.2026	
	Date of Monitoring Sample Code			8373	8875	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	28	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	148	142	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	6.40	5.11	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	104244	96175	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	73642	70397	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	21.69	13.92	30.0
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	79	61	200
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	12	10	150
9	Carbon Monoxide	GEMS/SOP/69	%	0.384	0.417	<1%

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

End of the Report

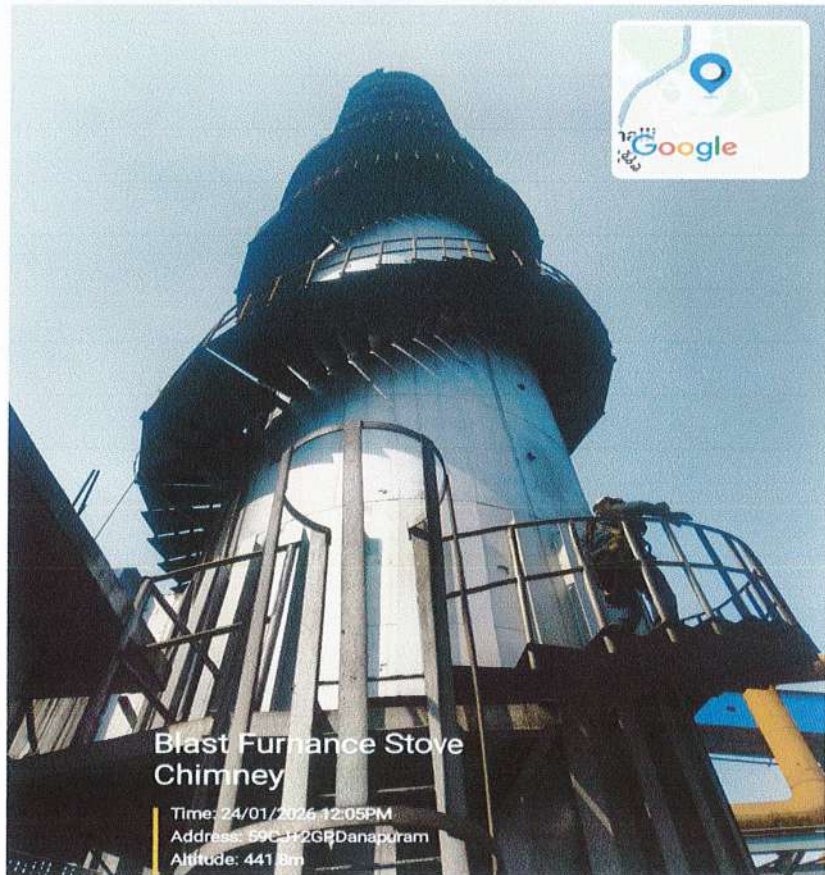
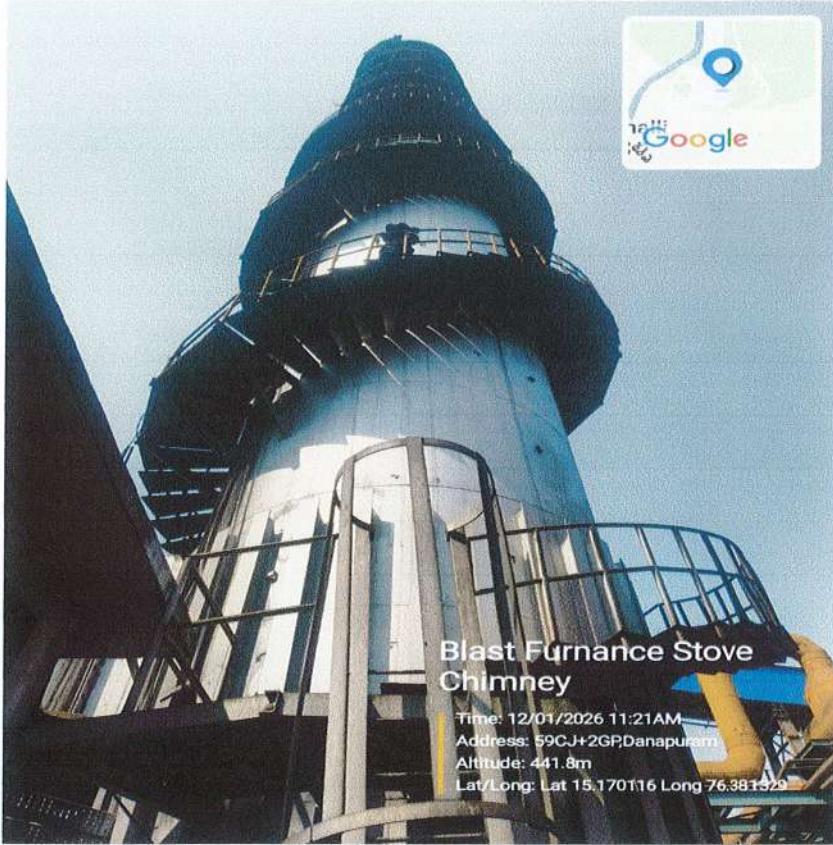
Sahreen P
Analysed By
Sahreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge

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Website : www.gemslp.in



TC-16180

ANNEXURE-35
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : GLOBAL Environment & Mining Services
- 4 Particulars of sample collected : Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308
- 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 Month of Sampling : **January 2026 (1st Fort Night)**
- 10 Date of Sample Received : 03.01.2026
- 11 Date of Sample Analysis : 05.01.2026
- 12 Date Sample Analysis Completion : 06.01.2026
- 13 Report Issued Date : **06.02.2026**
- 14 Report Number : **ULR-TC1618025000003764F**

RESULTS

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Beneficiation Plant-2											
1	Iron Ore Cone Crusher	-	-	---	-	-	-	30	1.20	-	50
2	Iron Ore Screening	03.01.2026	8091	---	28	34	4.48	30	0.90	18.93	50

Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
1	Iron Ore Cone Crusher	-	-	-
2	Iron Ore Screening	10261	9951	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

INFERENCE: The Measured Values are within the limits

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

Samreen P
Analysed By
Samreen P
Chemist

Venkatesh S
Authorised Signatory
Venkatesh S
Laboratory Incharge
Global Environment & Mining Services
HOSAPETE

Note:

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TC-16180

ANNEXURE-36
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|---------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | (1 st Fort Night) |
| 10 | Date of Sample Received | : | 02.01.2026 & 03.01.2026 |
| 11 | Date of Sample Analysis | : | 05.01.2026 |
| 12 | Date Sample Analysis Completion | : | 05.01.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC1618025000003746F |

RESULTS

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Pellet Plant-II											
3	AGB main bag Filter	02.01.2026	8067	---	28	32	4.51	6.5	0.5	26.18	50
4	Lime & Bentonite Powder bin top bag filter	02.01.2026	8068	---	30	33	4.42	6.5	0.5	22.14	50
5	AGB De dusting Bag Filter	-	-	---	-	-	-	6	0.6	-	50
6	Powder Coal main bag filter	-	-	---	-	-	-	6	0.6	-	50
7	RP-6 Conveyor bag Filter	-	-	---	-	-	-	6	0.3	-	50
8	Pellet discharge bin bag filter	03.01.2026	8089	---	31	37	4.82	20	0.5	30.17	50

Sl. No	Pellet Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
3	AGB main bag Filter	3188	3110	-
4	Lime & Bentonite Powder bin top bag filter	3124	3027	-
5	AGB De dusting Bag Filter	-	-	-
6	Powder Coal main bag filter	-	-	-
7	RP-6 Conveyor bag Filter	-	-	-
8	Pellet discharge bin bag filter	3407	3257	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

INFERENCE: The measured values are within the limits
End of the Report

Samreen P
Analysed By
Samreen P
Chemist

Venkatesh S
Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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TC-16180

ANNEXURE-37
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | |
|----|---------------------------------|--|
| 1 | Name of the Industry | : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : January 2026(1st Fort Night) |
| 10 | Date of Sample Received | : 03.01.2026 & 06.01.2026 & 07.01.2026 & 08.01.2026 |
| 11 | Date of Sample Analysis | : 05.01.2026 & 07.01.2026 & 08.01.2026 & 09.01.2026 |
| 12 | Date Sample Analysis Completion | : 06.01.2026 & 08.01.2026 & 09.01.2026 & 10.01.2026 |
| 13 | Report Issued Date | : 06.02.2026 |
| 14 | Report Number | : ULR-TC1618025000003766F |

RESULTS

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
2 X 500 TPD Sponge Iron Kiln 1 & 2											
9	Cooler Discharge -1	03.01.2026	8093	---	31	35	4.60	30	1.20	25.17	50
10	Cooler Discharge -2	03.01.2026	8094	---	30	34	4.92	30	1.20	22.71	50
11	Coal stock house	03.01.2026	8095	---	31	33	4.12	30	1.20	13.87	50
12	PSB 1 System-1	06.01.2026	8184	---	28	34	4.47	30	1.20	34.52	50
13	PSB 1 System-2	06.01.2026	8185	---	29	35	4.83	30	1.20	30.27	50
14	PSB 2 System-1 MCC	07.01.2026	8232	---	28	34	4.62	30	1.20	33.74	50
15	PSB 2 System-2 Road	07.01.2026	8233	---	29	35	4.72	30	1.20	29.16	50
16	Junction House Old & New	08.01.2026	8272	---	27	34	4.74	30	1.20	33.12	50
17	Storage Bunker	08.01.2026	8273	---	28	33	4.37	30	1.20	27.55	50
18	Dispatch	-	-	---	-	-	-	30	1.20	-	50

Sl. No	2 X 500 TPD Sponge Iron Kiln 1 & 2	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
9	Cooler Discharge -1	18696	17127	-
10	Cooler Discharge -2	19527	18129	-
11	Coal stock house	17469	16932	-
12	PSB 1 System-1	18201	17607	-
13	PSB 1 System-2	19667	18951	-
14	PSB 2 System-1 MCC	18812	18174	-
15	PSB 1 System-2 Road	19219	18498	-
16	Junction House Old & New	19301	18693	-
17	Storage Bunker	17794	17234	-
18	Dispatch	-	-	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

INFERENCE: The Measured Values are within the limits

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

Analysed By

 Samreen P
 Chemist

Authorised Signatory

 Venkatesh S
 Laboratory Incharge

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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TC-16180

ANNEXURE-38
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|---------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | January 2026(1st Fort Night) |
| 10 | Date of Sample Received | : | 08.01.2026 & 09.01.2026 & 10.01.2026 |
| 11 | Date of Sample Analysis | : | 09.01.2026 & 10.01.2026 & 12.01.2026 |
| 12 | Date Sample Analysis Completion | : | 10.01.2026 & 12.01.2026 & 13.01.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC1618025000003843F |

RESULTS

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/s	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
2X500 TPD Sponge Iron Kiln 3&4											
19	DE 3, Axis 3 CD	08.01.2026	8274	---	28	36	4.83	30	1.20	30.11	50
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	09.01.2026	8326	---	30	36	4.78	30	1.20	36.11	50
21	DE 8 & 12 I-Bin, (Stand By)	09.01.2026	8327	---	30	33	4.51	30	1.90	33.92	50
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	10.01.2026	8375	---	31	38	4.95	30	1.90	29.44	50
23	Coal Dryer	10.01.2026	8376	---	29	38	4.60	30	1.20	31.59	50

Sl. No	2X500 TPD Sponge Iron Kiln 3&4	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
19	DE 3, Axis 3 CD	19667	18850	-
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	19426	18830	-
21	DE 8 & 12 I-Bin, (Stand By)	46039	44959	-
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	50531	48419	-
23	Coal Dryer	18731	17879	-

INFERENCE: The Measured Values are within the limits.

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

Analysed By
 Samreen P
 Chemist

Authorised Signatory
 Venkatesh Venkatesh
 Laboratory Incharge
 Global Environment & Mining Services
 HOSPET

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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 Website : www.gemslp.in



TC-16180

ANNEXURE-39
 GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | |
|----|---------------------------------|--|
| 1 | Name of the Industry | : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : January 2026 (2nd Fort Night) |
| 10 | Date of Sample Received | : 28.01.2026 |
| 11 | Date of Sample Analysis | : 29.01.2026 |
| 12 | Date Sample Analysis Completion | : 30.01.2026 |
| 13 | Report Issued Date | : 06.02.2026 |
| 14 | Report Number | : ULR-TC1618025000004052F |

RESULTS

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Beneficiation Plant-2											
1	Iron Ore Cone Crusher	Shut down	-	---	-	-	-	-	-	-	50
2	Iron Ore Screening	28.01.2026	8911	---	29	31	4.96	30	0.90	15.63	50

Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
1	Iron Ore Cone Crusher	-	-	-
2	Iron Ore Screening	12397	10986	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

INFERENCE: The Measured Values are within the limits.

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

Samreen P
 Analysed By
 Samreen P
 Chemist

S Venkatesh
 Authorised Signatory
 Venkatesh S
 Laboratory Incharge

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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TC-16180

ANNEXURE-40
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|---------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | January 2026 (2 nd Fort Night) |
| 10 | Date of Sample Received | : | 16.01.2026 & 17.01.2026 |
| 11 | Date of Sample Analysis | : | 17.01.2026 & 19.01.2026 |
| 12 | Date Sample Analysis Completion | : | 19.01.2026 & 20.01.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC1618025000003947F |

RESULTS

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Pellet Plant											
3	AGB main bag Filter	16.01.2026	8567	---	29	33	4.57	6.5	0.50	23.87	50
4	Lime & Bentonite Powder bin top bag filter	17.01.2026	8596	---	30	34	4.38	6.5	0.50	22.47	50
5	AGB De dusting Bag Filter	-	-	---	-	-	-	6.0	0.60	-	50
6	Powder Coal main bag filter	-	-	---	-	-	-	6.0	0.60	-	50
7	RP-6 Conveyor bag Filter	-	-	---	-	-	-	6.0	0.30	-	50
8	Pellet discharge bin bag filter	16.01.2026	8569	---	31	38	4.66	2.0	0.50	32.74	50

Sl. No	Pellet Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
3	AGB main bag Filter	3230	3142	-
4	Lime & Bentonite Powder bin top bag filter	3296	2996	-
5	AGB De dusting Bag Filter	-	-	-
6	Powder Coal main Bagfilter	-	-	-
7	RP-6 Conveyor bag Filter	-	-	-
8	Pellet discharge bin Bagfilter	3194	3145	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

INFERENCE: --The Measured Values are within the limits.

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

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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TC-16180

ANNEXURE-41
GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|---------------------------------|---|---|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSSZ |
| 5 | Instrument Details | : | Sl. No: Stack Monitoring Kit/ 32308
Calibration Date: 25.04.2025
Calibration Due Date: 24.04.2026 |
| 6 | Discipline | : | Chemical |
| 7 | Group | : | Atmospheric Pollution |
| 8 | Sample Type | : | Stack Monitoring |
| 9 | Month of Sampling | : | January 2026 (2 nd Fort Night) |
| 10 | Date of Sample Received | : | 19.01.2026 & 20.01.2026 & 21.01.2026 & 22.01.2026 & 23.01.2026 |
| 11 | Date of Sample Analysis | : | 20.01.2026 & 21.01.2026 & 22.01.2026 & 23.01.2026 & 24.01.2026 |
| 12 | Date Sample Analysis Completion | : | 21.01.2026 & 22.01.2026 & 23.01.2026 & 24.01.2026 & 27.01.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC1618025000003953F |

RESULTS

Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
2 X 500 TPD Sponge Iron Kiln 1 & 2											
9	Cooler Discharge -1	19.01.2026	8642	Coal	29	33	4.67	30	1.2	22.31	50
10	Cooler Discharge -2	20.01.2026	8678	Coal	31	36	4.41	30	1.2	18.88	50
11	Coal stock house	20.01.2026	8679	Coal	31	35	4.61	30	1.2	15.82	50
12	PSB 1 System-1	21.01.2026	8712	Coal	28	63	5.33	30	1.2	29.31	50
13	PSB 1 System-2	21.01.2026	8713	Coal	31	39	4.62	30	1.2	33.81	50
14	PSB 2 System-1 MCC	22.01.2026	8767	Coal	29	38	4.81	30	1.2	32.56	50
15	PSB 1 System-2 Road	22.01.2026	8769	Coal	30	39	4.96	30	1.2	29.88	50
16	Junction House Old & New	22.01.2026	8770	Coal	30	35	4.88	30	1.2	30.17	50
17	Storage Bunker	23.01.2026	8830	Coal	31	36	4.73	30	1.2	26.17	50
18	Dispatch	-	-	---	-	-	-	30	1.2	-	50

Sl. No	2 X 500 TPD Sponge Iron Kiln 1 & 2	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
9	Cooler Discharge -1	19016	19016	-
10	Cooler Discharge -2	17957	17263	-
11	Coal stock house	18772	18095	-
12	PSB 1 System-1	29179	25852	-
13	PSB 1 System-2	19229	18117	-
14	PSB 2 System-1 MCC	20976	19671	-
15	PSB 1 System-2 Road	20819	19353	-
16	Junction House Old & New	19513	18156	-
17	Storage Bunker	18973	17612	-
18	Dispatch	-	-	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

INFERENCE: The Measured Values are within the limits.

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

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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 Website : www.gemslip.in



TC-16180

ANNEXURE-42 GEMS-LD/TF/10/01

Analysis Report of Stack Emission

- | | | | |
|----|---------------------------------|---|--|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | GLOBAL Environment & Mining Services |
| 4 | Particulars of sample collected | : | Vayubodhak/ VBSS2
Sl. No: Stack Monitoring Kit/ 32308 |
| 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 | Month of Sampling | : | January 2026 (2 nd Fort Night) |
| 10 | Date of Sample Received | : | 23.01.2026&24.01.2026&27.01.2026&30.01.2026 |
| 11 | Date of Sample Analysis | : | 24.01.2026&27.01.2026&28.01.2026&31.01.2026 |
| 12 | Date Sample Analysis Completion | : | 27.01.2026&28.01.2026&29.01.2026&01.02.2026 |
| 13 | Report Issued Date | : | 06.02.2026 |
| 14 | Report Number | : | ULR-TC1618025000004026F |

RESULTS

Sl. NO	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/s	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
2X500 TPD Sponge Iron Kiln 3&4											
19	DE 3, Axis 3 CD	30.01.2026	8938	---	31	35	4.56	30	1.20	29.56	50
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	23.01.2026	8831	---	29	39	4.39	30	1.20	31.88	50
21	DE 8 & 12 I-Bin, (Stand By)	24.01.2026	8863	---	30	41	4.71	30	1.90	37.93	50
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	24.01.2026	8864	---	31	39	4.88	30	1.90	32.17	50
23	Coal Dryer	27.01.2026	8896	---	30	36	4.63	30	1.20	36.59	50

Sl. No	2X500 TPD Sponge Iron Kiln 3&4	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
19	DE 3, Axis 3 CD	18872	17871	-
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	20157	19516	-
21	DE 8 & 12 I-Bin, (Stand By)	51327	50170	-
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	51883	50367	-
23	Coal Dryer	21529	20058	-

Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

INFERENCE: The Measured Values are within the limits.

Samreen P
 Analysed By
 Samreen P
 Chemist

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

S. Venkatesh S
 Authorised Signatory
 Venkatesh S
 Laboratory Incharge

Note:

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TC-16180

ANNEXURE-43
GEMS-LD/TF/08/01

NOISE LEVEL MONITORING REPORT

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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: Q679952
 Instrument Details : Date of Calibration:16.12.2025
 Calibration Due Date:15.12.2026
 Month : January 2026
 Report Issue Date : 06.02.2026
 Method Adopted : IS 9989-1981 Reaffirmed 2014
 Report No : ULR-TC1618025000003748F

Sl. No	Location	Date of Monitoring	Noise Level dB (A)		Standard
			Day Time		
			Min	Max	
1	Main Gate	02.01.2026	48.2	53.9	75
2	BF Blower House Entrance	02.01.2026	58.6	63.8	75
3	Transit House	03.01.2026	50.4	54.7	75
4	BF-7th Gate	03.01.2026	44.8	49.9	75
5	Gunda Road	05.01.2026	52.1	56.8	75
6	Gunda Railway Station	05.01.2026	47.5	55.6	75
7	Bagging Shed	06.01.2026	52.3	57.1	75
8	Railway Siding	06.01.2026	48.6	53.8	75
9	SMS-Vibro Feeders	07.01.2026	61.4	66.9	75
10	Bricks Plant	07.01.2026	49.3	52.8	75
11	Kempuhalla (Wagon Tippler)	08.01.2026	51.2	55.9	75
12	Danapura Bridge	08.01.2026	60.1	64.8	75
13	2nd Gate	09.01.2026	63.5	68.2	75
14	MBM-Scale pit	09.01.2026	48.2	53.9	75
15	Dispatch (Truck Parking Area)	09.01.2026	58.6	63.8	75

Note: Each Location above the Noise Level taken Readings 15 Minutes.

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

End of the Report

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

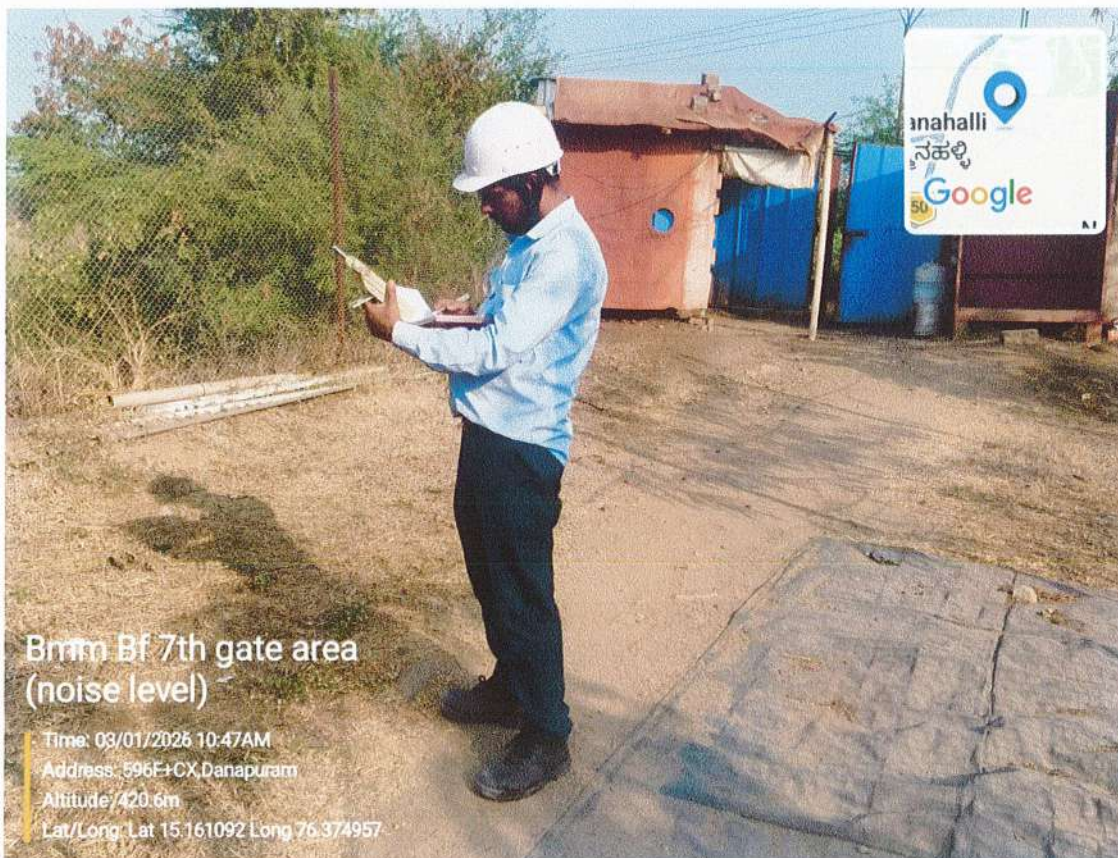
Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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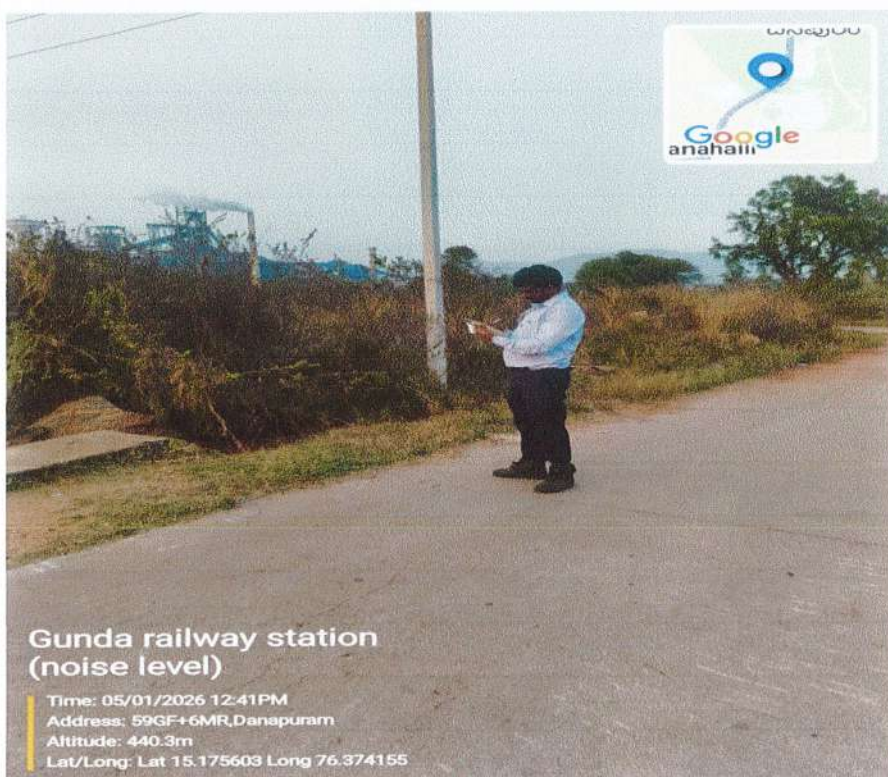
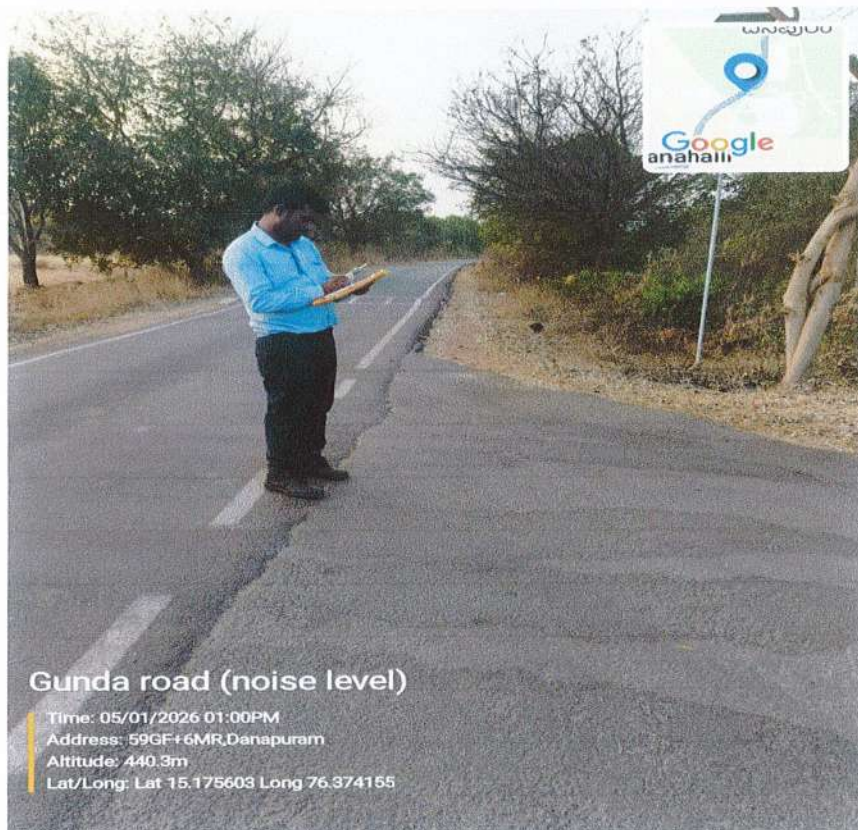
AMBIENT AIR QUALITY NOISE JAN - 2026



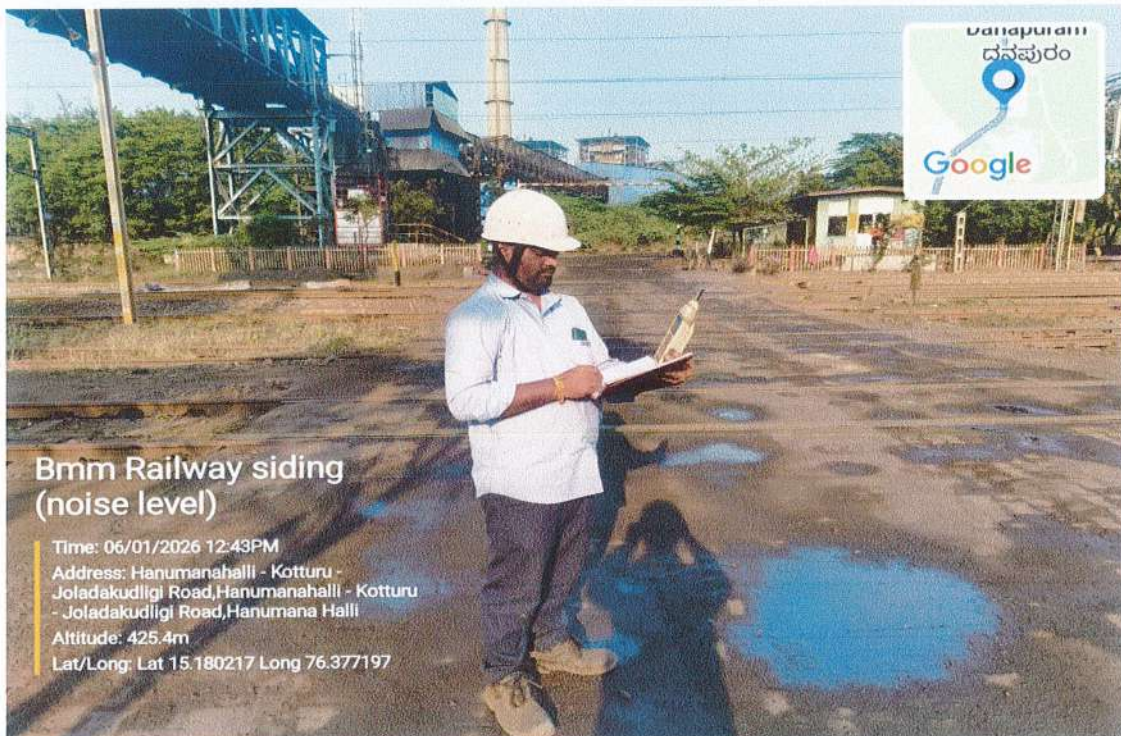
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AMBIENT AIR QUALITY NOISE JAN - 2026



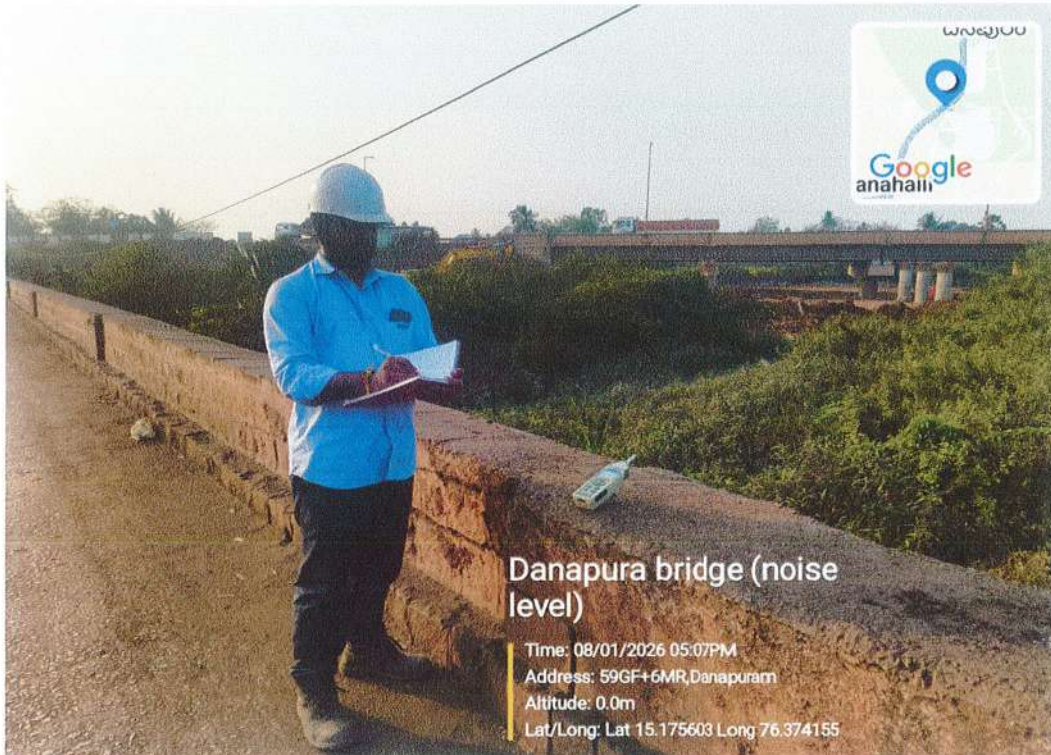
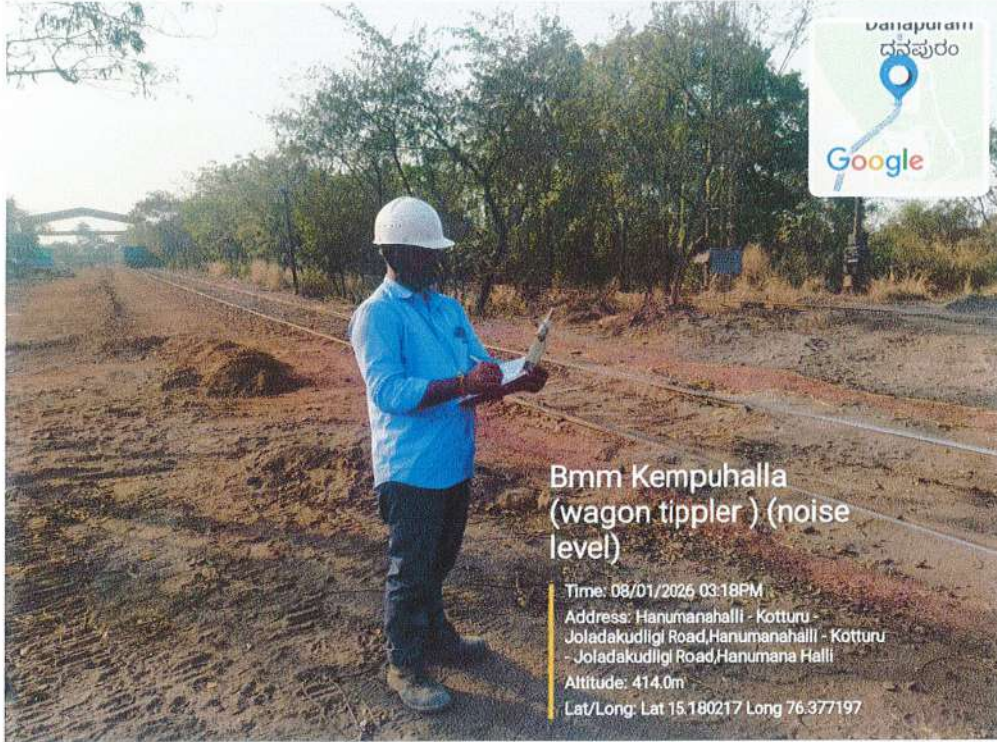
AMBIENT AIR QUALITY NOISE JAN - 2026



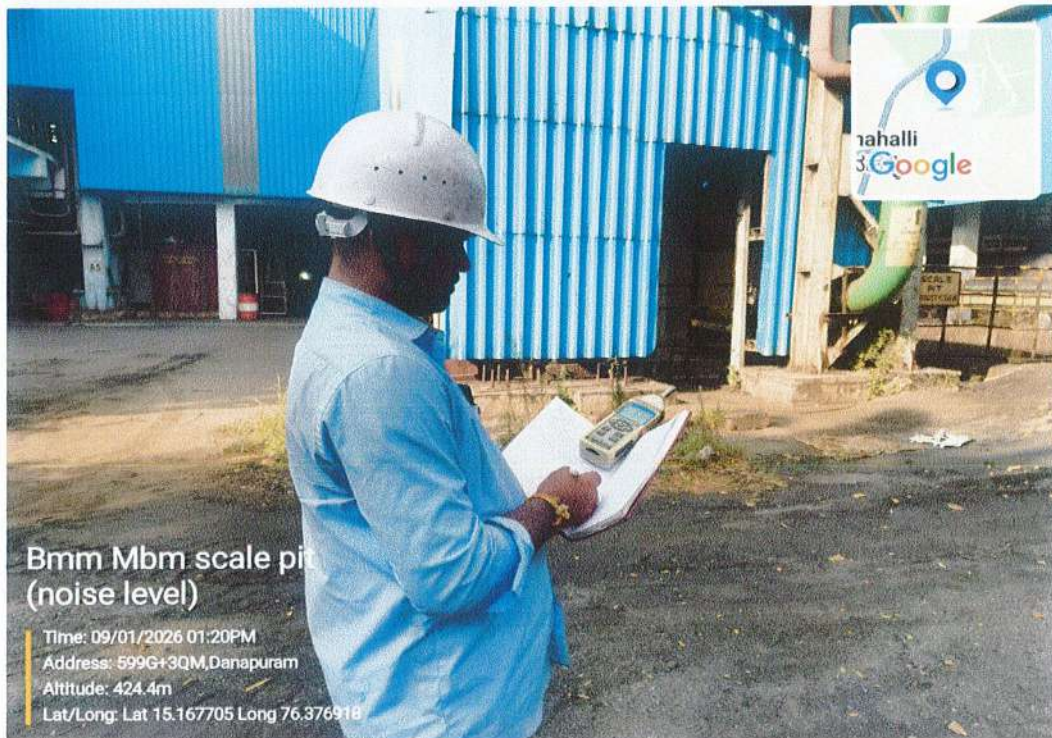
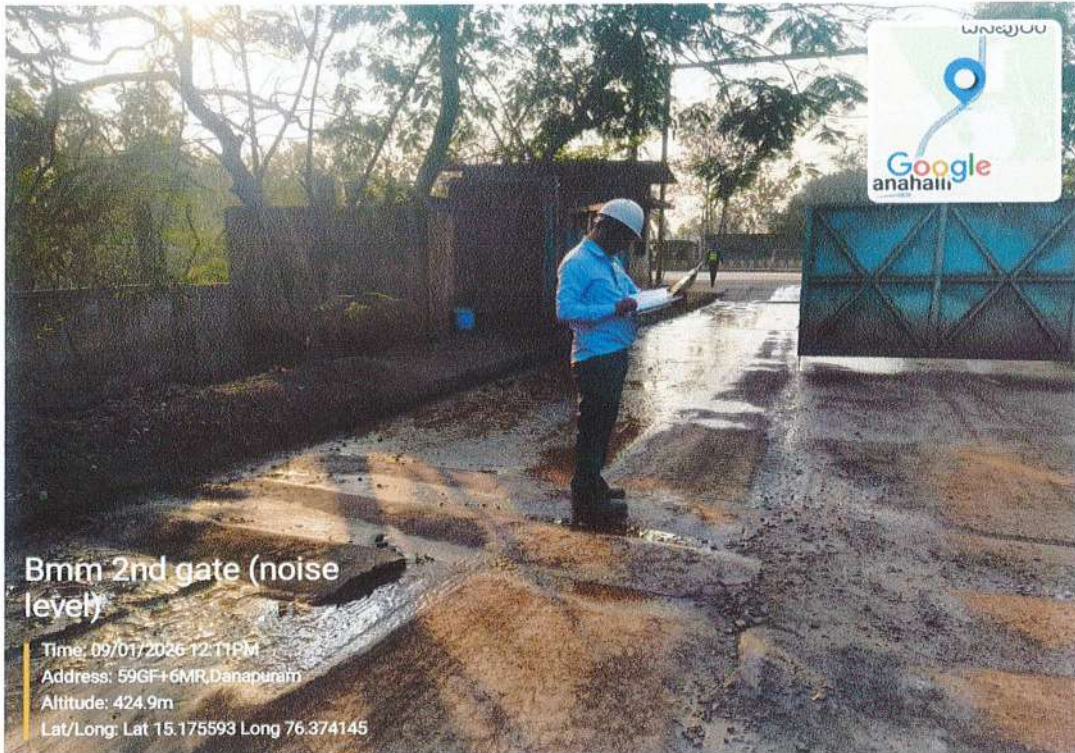
AMBIENT AIR QUALITY NOISE JAN - 2026



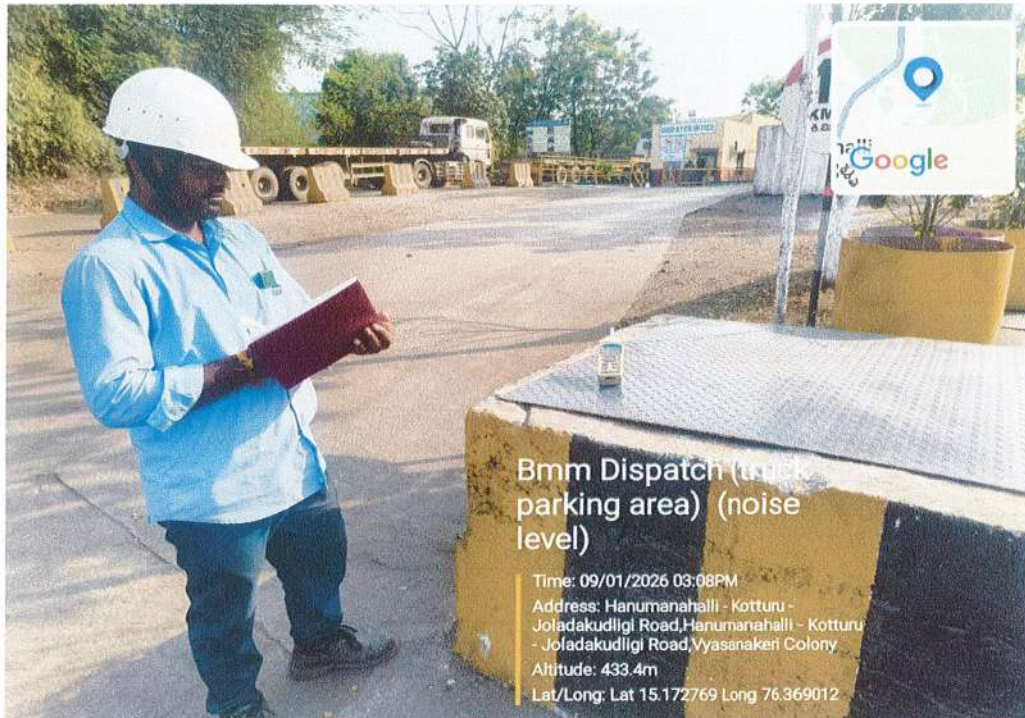
AMBIENT AIR QUALITY NOISE JAN - 2026



AMBIENT AIR QUALITY NOISE JAN - 2026

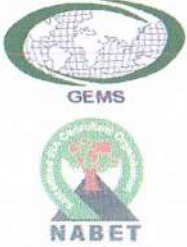


AMBIENT AIR QUALITY NOISE JAN - 2026



Bmm Dispatch (truck
parking area) (noise
level)

Time: 09/01/2026 03:08PM
Address: Hanumanahalli - Kotturu -
Joladakudligi Road, Hanumanahalli - Kotturu
- Joladakudligi Road, Vyasakeri Colony
Altitude: 433.4m
Lat/Long: Lat 15.172769 Long 76.369012



GLOBAL ENVIRONMENT & MINING SERVICES LLP

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TC-16180

ANNEXURE-44
GEMS-LD/TF/08/01

NOISE LEVEL MONITORING REPORT

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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: Q679952
 Instrument Details : Date of Calibration:16.12.2025
 Calibration Due Date:15.12.2026
 Month : **January 2026**
 Report Issue Date : **06.01.2026**
 Method Adopted : IS 9989-1981 Reaffirmed 2014
 Report No : **ULR-TC1618025000003950F**

Sl. No	Location	Date of Monitoring	Noise Level dB (A)		
			Day Time		Standard
			Min	Max	
1	Main Gate	16.01.2026	48.6	54.2	75
2	BF Blower house entrance	16.01.2026	60.4	69.3	75
3	Transit House	17.01.2026	50.2	61.1	75
4	BF-7th gate	17.01.2026	46.3	50.0	75
5	Gunda Road	19.01.2026	55.1	58.6	75
6	Gunda Railway Station	19.01.2026	47.1	51.4	75
7	Bagging Shed	20.01.2026	52.0	57.6	75
8	Railway Siding	20.01.2026	49.6	55.2	75
9	SMS-Vibro feeders	21.01.2026	62.5	68.7	75
10	Bricks Plant	21.01.2026	46.8	52.6	75
11	Kempuhalla (Wagon Tippler)	22.01.2026	51.9	57.9	75
12	Danapura Bridge	22.01.2026	59.1	68.5	75
13	2nd Gate	23.01.2026	54.1	58.9	75
14	MBM Scale pit	23.01.2026	65.2	69.8	75
15	Dispatch (Truck Parking Area)	23.01.2026	66.1	70.9	75

Note: Each Location above the Noise Level taken Readings 15 Minutes.

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

S. Saareen P
 Analysed By
 Saareen P
 Chemist

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

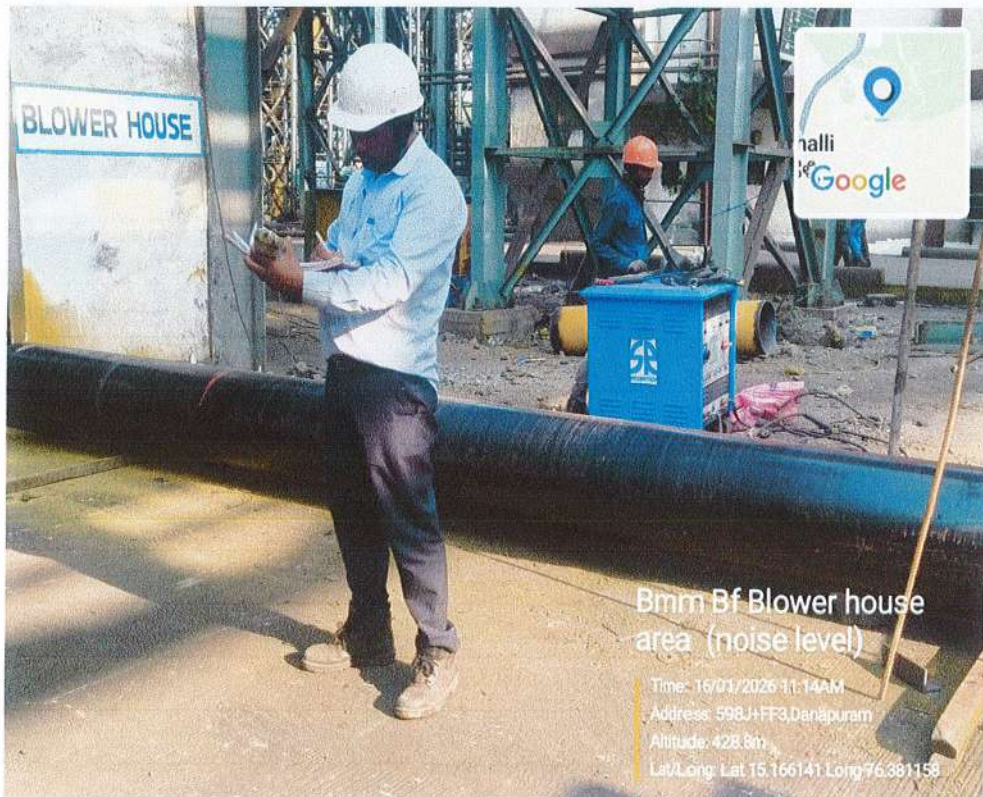
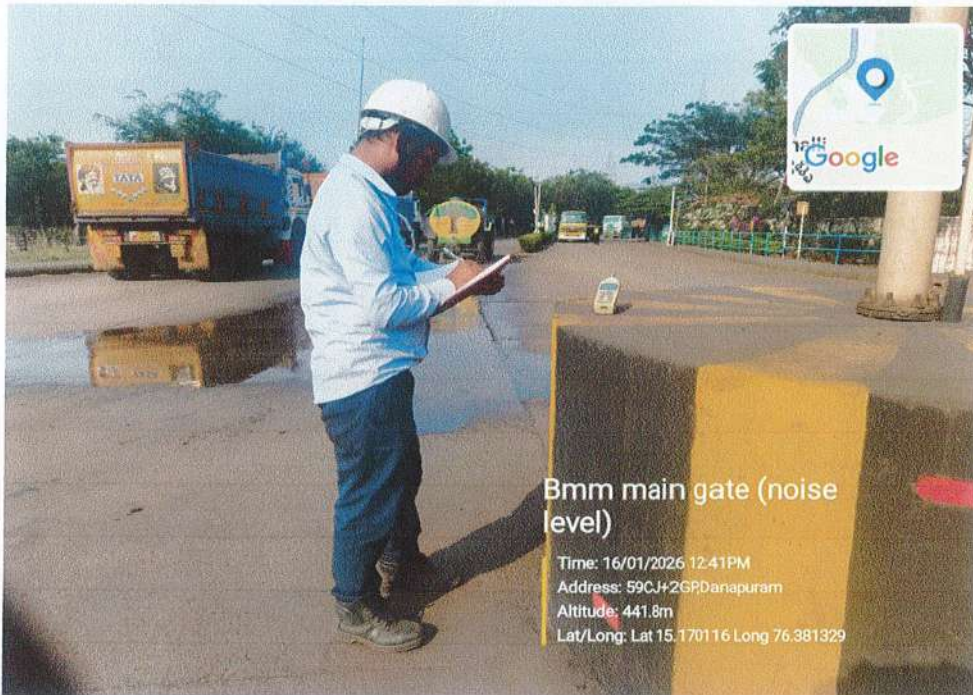
S. Venkatesh
 Authorised Signatory
 Venkatesh S
 Laboratory Incharge



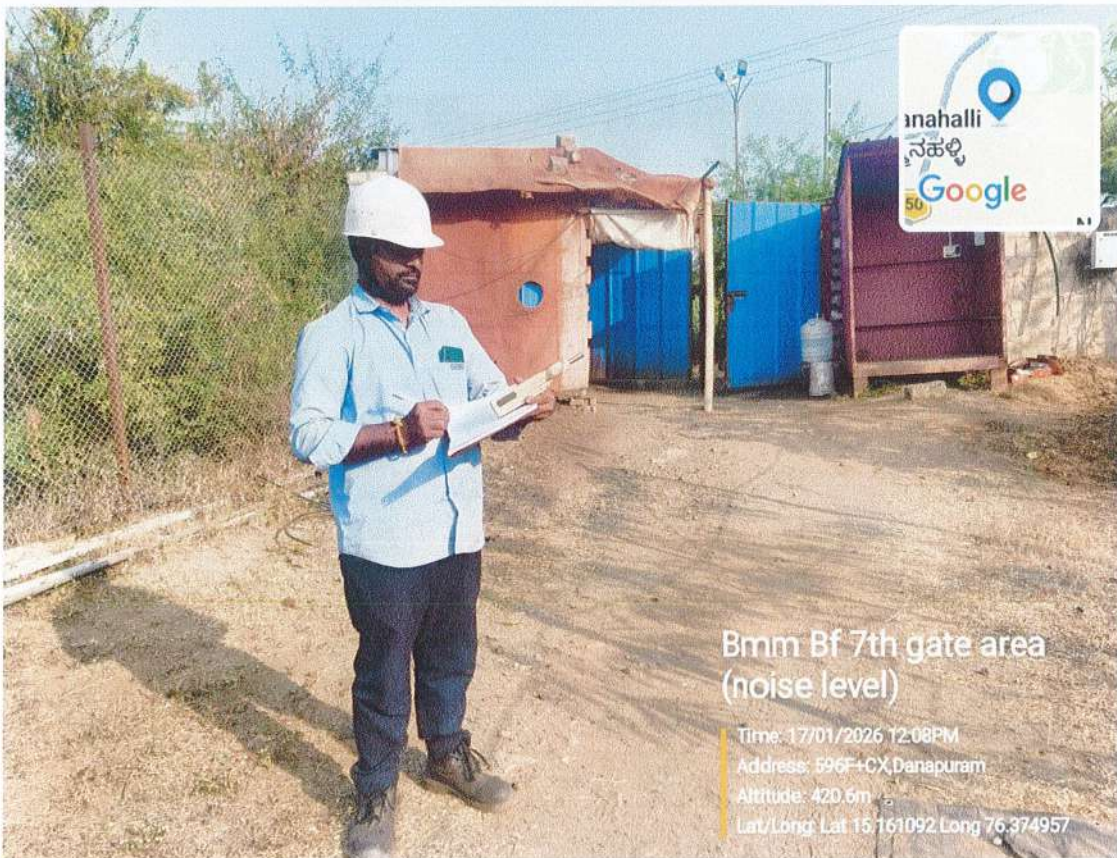
Note:

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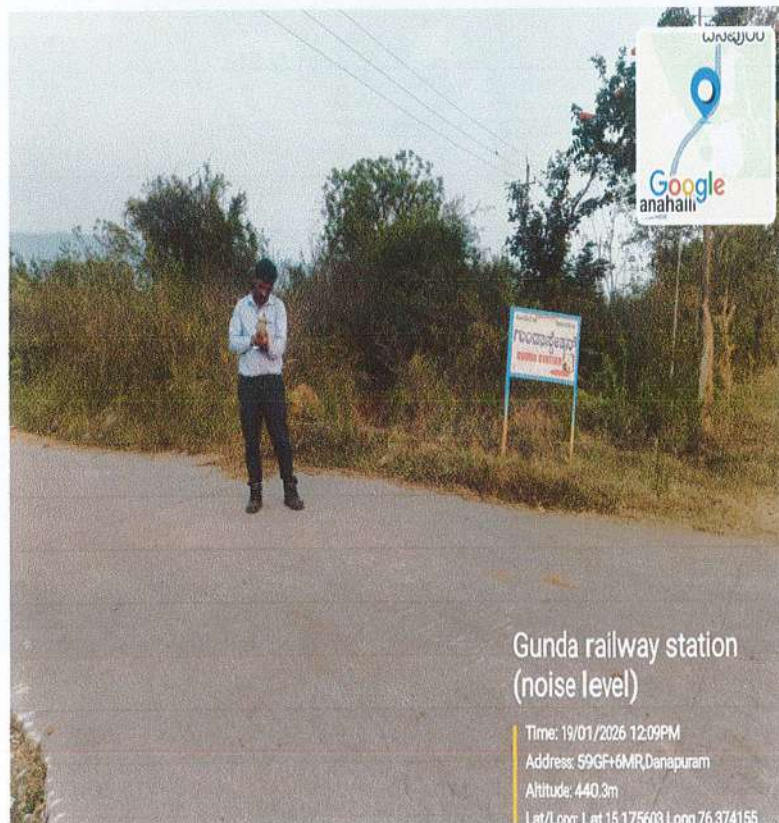
AMBIENT AIR QUALITY NOISE JAN - 2026



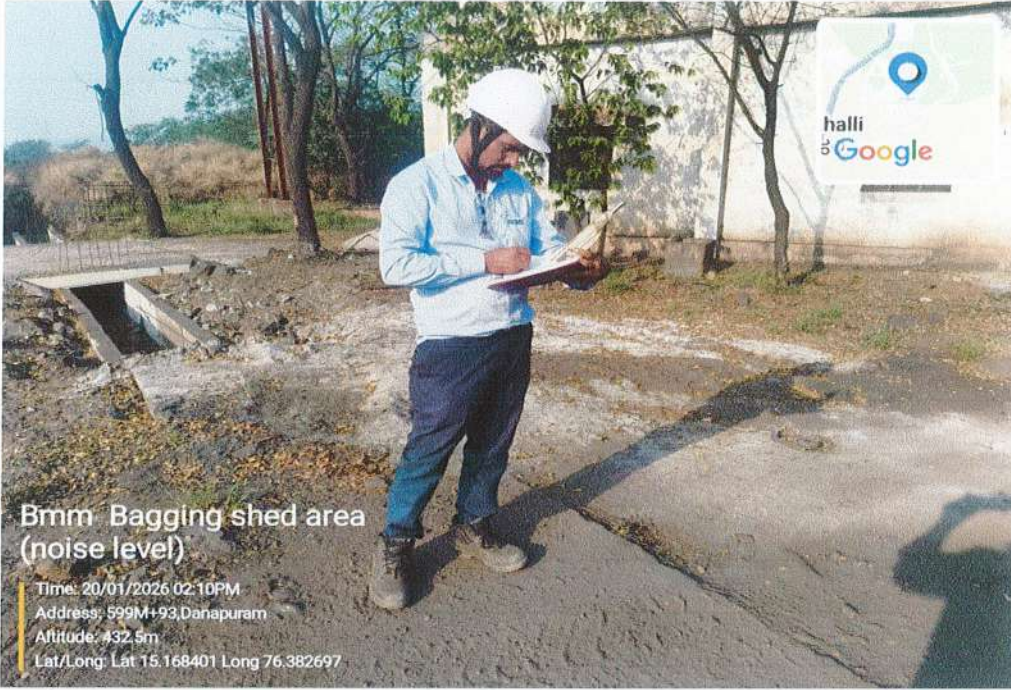
AMBIENT AIR QUALITY NOISE JAN - 2026



AMBIENT AIR QUALITY NOISE JAN - 2026



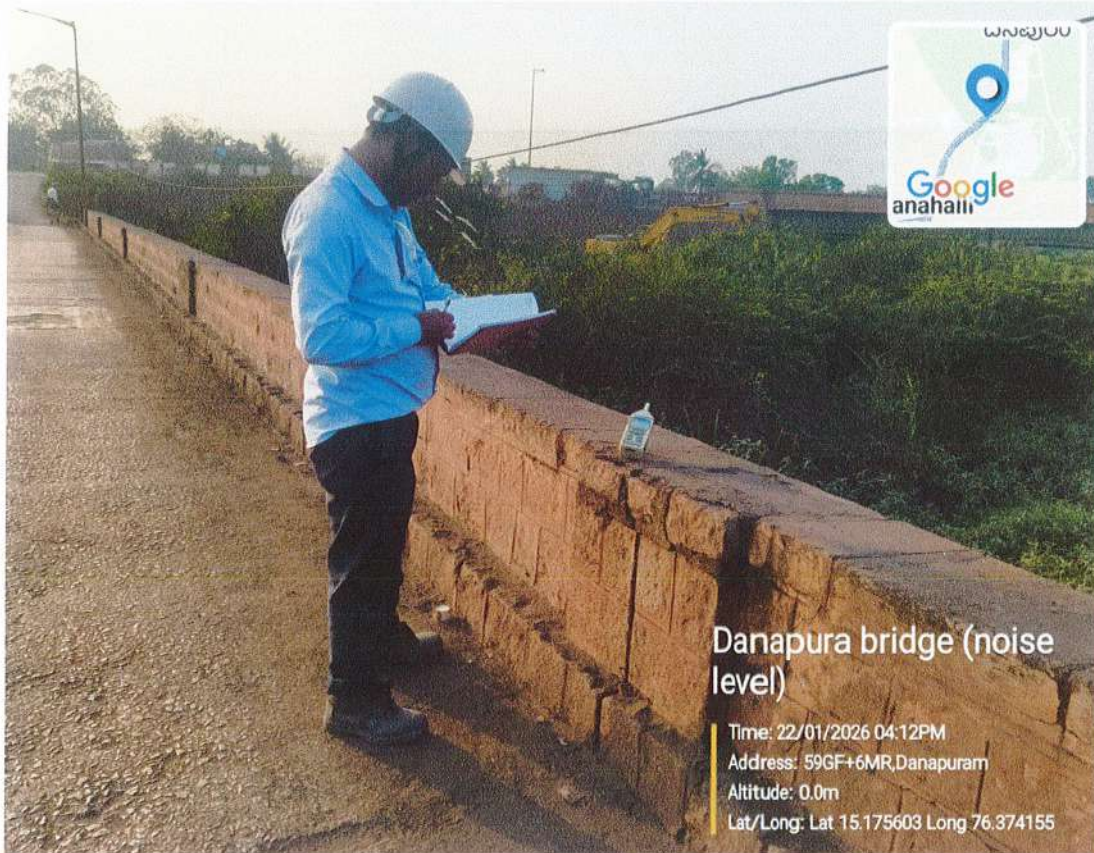
AMBIENT AIR QUALITY NOISE JAN - 2026



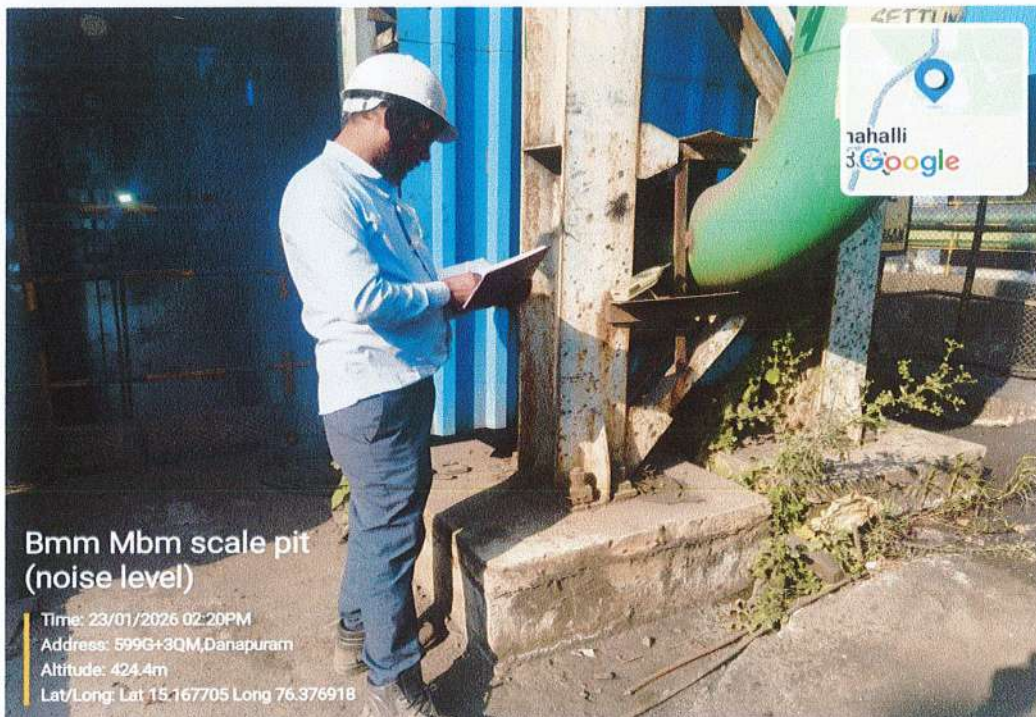
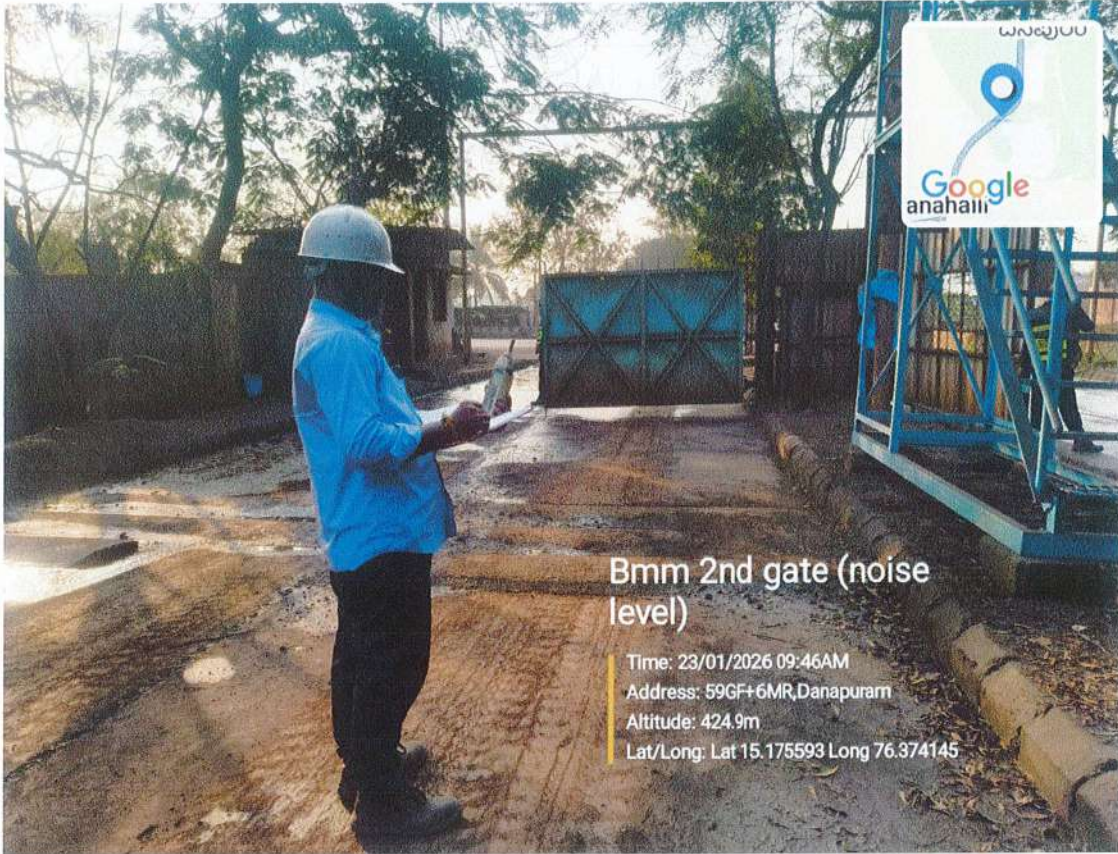
AMBIENT AIR QUALITY NOISE JAN - 2026



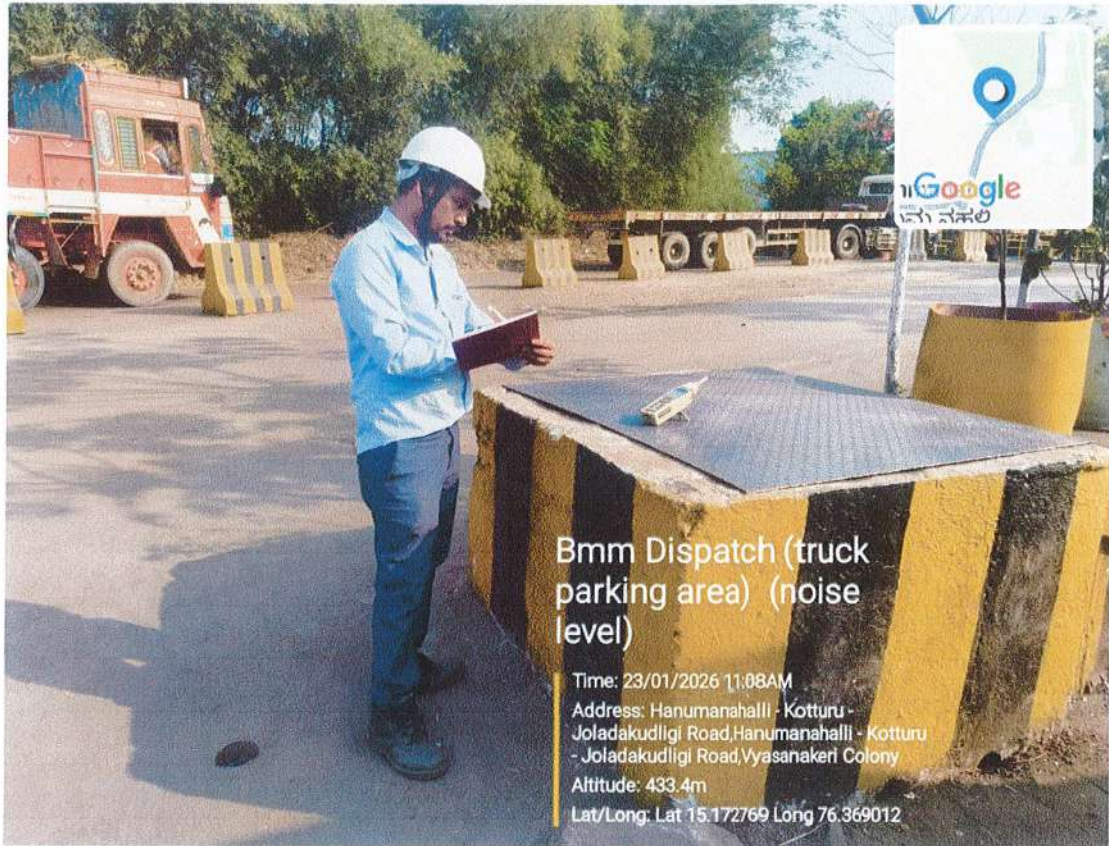
AMBIENT AIR QUALITY NOISE JAN - 2026



AMBIENT AIR QUALITY NOISE JAN - 2026



AMBIENT AIR QUALITY NOISE JAN - 2026





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e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



TC-16180

ANNEXURE-45
GEMS-LD/TF/08/01

AMBIENT NOISE LEVEL MONITORING REPORT

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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 : **January 2026**
 Report Issue Date : **06.02.2026**
 Method Adopted : IS 9989-1981 Reaffirmed 2014
 Report No : **ULR-TC1618025000003747F**

Sl. No	Location	Date of Monitoring	Noise Level dB (A)							
			Day Time			Standard	Night Time			Standard
			Min	Max	Avg		Min	Max	Avg	
1	Danapur Village	02.01.2026	47.5	55.2	51.10	55	40.2	46.9	43.1	45
2	Mariyammana Halli	03.01.2026	46.1	56.4	52.05		37.4	45.1	40.9	
3	Hanumana Halli	05.01.2026	45.8	54.9	50.3		39.8	43.6	41.80	
4	Galemmanagudi	06.01.2026	49.2	57.8	53.4		41.6	48.7	45.6	
5	G. Nagalapura Village	07.01.2026	46.0	54.3	50.45		35.9	39.4	37.20	
6	Gunda Tanda Village	08.01.2026	45.6	53.4	50.25		38.9	42.8	40.10	

Note: Each Location above the Noise Level taken Readings 15 Minutes.

INFERENCE As per CPCB Standards,
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
 Authorised Signatory
 Venkatesh S
 Laboratory Incharge

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

Note:

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GEMS



NABET

GLOBAL ENVIRONMENT & MINING SERVICES LLP

(Consulting Engineers, Mine designers, Geologist & Surveyors)

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Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



TC-16180

**ANNEXURE-46
GEMS-LD/TF/23/01****Analysis Report of Water Quality Data**

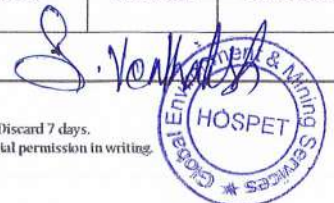
1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	: Global Environment & Mining Services LLP
4	Particulars of sample collected	: Grab Sampling
5	Sampling Procedure	: GEMS-LD/SOP/32
6	Discipline	: Chemical
7	Group	: Water
8	Sample Type	: Ground Water
9	Sample Code	: 8379
10	Date of Sampling	: 10.01.2026
11	Sample Received	: 10.01.2026
12	Date of Analysis	: 12.01.2026
13	Date of Analysis Completion	: 17.01.2026
14	Report Issue Date	: 06.02.2026
15	Report Number	: ULR-TC1618025000003895F

Results

Sl. No.	Parameters	Protocol	Unit	Danapur Village (GW1)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.49	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	1790	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	1024	500max	2000 max
4.	Turbidity (NTU)	APHA 24th Edition 2130 B: 2023	NTU	0.2	1 max	5max
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	<1.0	-	-
6.	Sulphate as SO ₄	APHA 24th Edition 4500 SO ₄ E: 2023	mg/L	35.91	200max	400max
7.	Phosphorus as P	APHA 24th Edition 4500 P D: 2023	mg/L	<0.1	-	-
8.	Sodium as Na	APHA 24th Edition 3500 Na B : 2023	mg/L	132.57	-	-
9.	Potassium as K	APHA 24th Edition 3500 K B : 2023	mg/L	0.0	-	-
10.	Calcium as Ca	APHA 24th Edition 3500 Ca B : 2023	mg/L	142.69	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	52.61	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	590	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	262.32	250max	1000 max

Note:

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Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



TC-16180

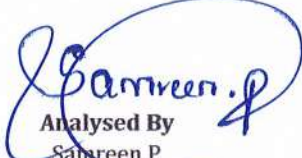
ANNEXURE-46

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.66	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	23.57	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	461.23	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	Nil	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	0.09	0.30max	NR
19.	Chromium as Cr	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.01	0.05 max	NR

Note: GW1: Danapur Village. NR-No relaxation.

INFERENCE	As per Standards IS: 10500:2012 Report Status: - Measured Values for the above parameters are within the limits.
------------------	---

End of the Report


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh S
Laboratory Incharge


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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e-mail : gems_hpt@yahoo.com

Website : www.gemslip.in

ANNEXURE-46
GEMS-LD/TF/23/01


Analysis Report of Water Quality Data

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical/Biological
- 7 Group : Water
- 8 Sample Type : Ground Water
- 9 Sample Code : 8379
- 10 Date of Sampling : 10.01.2026
- 11 Sample Received : 10.01.2026
- 12 Date of Analysis : 12.01.2026
- 13 Date of Analysis Completion : 17.01.2026
- 14 Report Issue Date : 06.02.2026
15. Report Number : GEMS/BMMIL/GW/2025-26/3895

Results

Sl. No	Parameters	Protocol	Unit	Danapur Village (GW1)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
20	Color	APHA 24th Edition -2120 C:2023	Hazen	<5	5max	15max
21	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02max	NR
22	Manganese as Mn	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.10 max	0.30 max
23	Copper as Cu	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.05 max	1.50 max
24	Zinc as Zn	APHA 24th Edition 3111 B : 2023	mg/L	<1.0	5 max	15 max
25	Lead as Pb	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.01 max	NR
26	Arsenic as As	APHA 24th Edition 3114B : 2023	mg/L	<0.01	0.01 max	0.05 max
27	Cadmium as Cd	APHA 24th Edition 3111 B : 2023	mg/L	<0.001	0.003 max	NR
28	Total Coli form count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-
29	Escherichia coli count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation


Analysed By
Samreen P
Chemist


Authorized Signatory
Venkatesh
Laboratory Incharge



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



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



TC-16180

ANNEXURE-47
 GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	: Global Environment & Mining Services LLP
4	Particulars of sample collected	: Grab Sampling
5	Sampling Procedure	: GEMS-LD/SOP/32
6	Discipline	: Chemical
7	Group	: Water
8	Sample Type	: Ground Water
9	Sample Code	: 8381
10	Date of Sampling	: 10.01.2026
11	Sample Received	: 10.01.2026
12	Date of Analysis	: 12.01.2026
13	Date of Analysis Completion	: 17.01.2026
14	Report Issue Date	: 06.02.2026
15	Report Number	: ULR-TC1618025000003897F

Results

Sl. No.	Parameters	Protocol	Unit	Hanumanahalli Village (GW2)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.24	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	2050	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	1220	500max	2000 max
4.	Turbidity (NTU)	APHA 24th Edition 2130 B: 2023	NTU	0.2	1 max	5max
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	<1.0	-	-
6.	Sulphate as SO ₄	APHA 24th Edition 4500 SO ₄ E: 2023	mg/L	117.56	200max	400max
7.	Phosphorus as P	APHA 24th Edition 4500 P D: 2023	mg/L	<0.1	-	-
8.	Sodium as Na	APHA 24th Edition 3500 Na B : 2023	mg/L	71.32	-	-
9.	Potassium as K	APHA 24th Edition 3500 K B : 2023	mg/L	0.00	-	-
10.	Calcium as Ca	APHA 24th Edition 3500 Ca B : 2023	mg/L	142.36	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	33.17	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	539.42	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	583.14	250max	1000 max

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



TC-16180

ANNEXURE-47

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.61	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	15.82	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	501.32	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	Nil	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	0.15	0.30max	NR
19.	Chromium as Cr	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.01	0.05 max	NR

Note: GW2: Hanumanahalli Village, NR-No relaxation.

INFERENCE	As per Standards IS: 10500:2012 Report Status: - Measured Values for the above parameters are within the limit.
------------------	--

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

Samreen P
 Analysed By
 Samreen P
 Chemist

Venkatesh H
 Authorised Signatory
 Venkatesh H
 Laboratory Incharge



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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Ph : 08394 355369

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Website : www.gemslp.in

ANNEXURE-47
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical/Biological
- 7 Group : Water
- 8 Sample Type : Ground Water
- 9 Sample Code : 8381
- 10 Date of Sampling : 10.01.2026
- 11 Sample Received : 10.01.2026
- 12 Date of Analysis : 12.01.2026
- 13 Date of Analysis Completion : 17.01.2026
- 14 Report Issue Date : 06.02.2026
15. Report Number : GEMS/BMMIL/GW/2025-26/3897

Results

Sl. No	Parameters	Protocol	Unit	Hanumana halli Village (GW2)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
20	Color	APHA 24th Edition -2120 C:2023	Hazen	<5	5max	15max
21	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02max	NR
22	Manganese as Mn	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.10 max	0.30 max
23	Copper as Cu	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.05 max	1.50 max
24	Zinc as Zn	APHA 24th Edition 3111 B : 2023	mg/L	<1.0	5 max	15 max
25	Lead as Pb	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.01 max	NR
26	Arsenic as As	APHA 24th Edition 3114B : 2023	mg/L	<0.01	0.01 max	0.05 max
27	Cadmium as Cd	APHA 24th Edition 3111 B : 2023	mg/L	<0.001	0.003 max	NR
28	Total Coli form count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-
29	<i>Escherichia coli</i> count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

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



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TC-16180

ANNEXURE-48
GEMS-LD/TF/23/01Z

Analysis Report of Water Quality Data

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	: Global Environment & Mining Services LLP
4	Particulars of sample collected	: Grab Sampling
5	Sampling Procedure	: GEMS-LD/SOP/32
6	Discipline	: Chemical
7	Group	: Water
8	Sample Type	: Ground Water
9	Sample Code	: 8382
10	Date of Sampling	: 10.01.2026
11	Sample Received	: 10.01.2026
12	Date of Analysis	: 12.01.2026
13	Date of Analysis Completion	: 17.01.2026
14	Report Issue Date	: 06.02.2026
15	Report Number	: ULR-TC1618025000003898F

Results

Sl. No.	Parameters	Protocol	Unit	Galemman agudi Village (GW3)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.61	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	2060	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	1121	500max	2000 max
4.	Turbidity (NTU)	APHA 24th Edition 2130 B: 2023	NTU	0.3	1 max	5max
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	<1.0	-	-
6.	Sulphate as SO ₄	APHA 24th Edition 4500 SO4 E: 2023	mg/L	119.32	200max	400max
7.	Phosphorus as P	APHA 24th Edition 4500 P D: 2023	mg/L	<0.1	-	-
8.	Sodium as Na	APHA 24th Edition 3500 Na B : 2023	mg/L	176.51	-	-
9.	Potassium as K	APHA 24th Edition 3500 K B : 2023	mg/L	0.00	-	-
10.	Calcium as Ca	APHA 24th Edition 3500 Ca B : 2023	mg/L	149.33	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	51.31	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	586.11	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	394.31	250max	1000 max

Note:

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Website : www.gemslp.in



TC-16180

ANNEXURE-48

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.47	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 N03 E : 2023	mg/L	25.91	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	521.36	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	Nil	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	0.13	0.30max	NR
19.	Chromium as Cr	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.01	0.05 max	NR

Note: GW3: Galemmanagudi Village. NR-No relaxation.

INFERENCE	As per Standards IS: 10500:2012 Report Status: - Measured Values for the above parameters are within the limits.
------------------	---

End of the Report

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge



Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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Website : www.gemslp.in

ANNEXURE-48
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	: Global Environment & Mining Services LLP
4	Particulars of sample collected	: Grab Sampling
5	Sampling Procedure	: GEMS-LD/SOP/32
6	Discipline	: Chemical/Biological
7	Group	: Pollution & Environment
8	Sample Type	: Ground Water
9	Sample Code	: 8382
10	Date of Sampling	: 10.01.2026
11	Sample Received	: 10.01.2026
12	Date of Analysis	: 12.01.2026
13	Date of Analysis Completion	: 17.01.2026
14	Report Issue Date	: 06.02.2026
15.	Report Number	: GEMS/BMMIL/GW/2025-26/3898

Results

Sl. No	Parameters	Protocol	Unit	Galemmana Gudi Village (GW3)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
20	Color	APHA 24th Edition -2120 C:2023	Hazen	<5	5max	15max
21	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02max	NR
22	Manganese as Mn	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.10 max	0.30 max
23	Copper as Cu	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.05 max	1.50 max
24	Zinc as Zn	APHA 24th Edition 3111 B : 2023	mg/L	<1.0	5 max	15 max
25	Lead as Pb	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.01 max	NR
26	Arsenic as As	APHA 24th Edition 3114B : 2023	mg/L	<0.01	0.01 max	0.05 max
27	Cadmium as Cd	APHA 24th Edition 3111 B : 2023	mg/L	<0.001	0.003 max	NR
28	Total Coli form count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-
29	Escherichia coli count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh HOSPET
Laboratory Incharge

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



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TC-16180

ANNEXURE-49
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

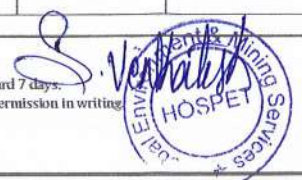
- | | | | |
|----|---------------------------------|---|---|
| 1 | Name of the Industry | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : | WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : | Global Environment & Mining Services LLP |
| 4 | Particulars of sample collected | : | Grab Sampling |
| 5 | Sampling Procedure | : | GEMS-LD/SOP/32 |
| 6 | Discipline | : | Chemical |
| 7 | Group | : | Water |
| 8 | Sample Type | : | Ground Water |
| 9 | Sample Code | : | 8380 |
| 10 | Date of Sampling | : | 10.01.2026 |
| 11 | Sample Received | : | 10.01.2026 |
| 12 | Date of Analysis | : | 12.01.2026 |
| 13 | Date of Analysis Completion | : | 17.01.2026 |
| 14 | Report Issue Date | : | 06.02.2026 |
| 15 | Report Number | : | ULR-TC1618025000003896F |

Results

Sl. No.	Parameters	Protocol	Unit	Mariyamm anaHalli Village (GW4)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.21	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	2060	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	1268	500max	2000 max
4.	Turbidity (NTU)	APHA 24th Edition 2130 B: 2023	NTU	0.3	1 max	5max
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	<1.0	-	-
6.	Sulphate as SO ₄	APHA 24th Edition 4500 SO4 E: 2023	mg/L	176.56	200max	400max
7.	Phosphorus as P	APHA 24th Edition 4500 P D: 2023	mg/L	<0.1	-	-
8.	Sodium as Na	APHA 24th Edition 3500 Na B : 2023	mg/L	82.67	-	-
9.	Potassium as K	APHA 24th Edition 3500 K B : 2023	mg/L	0.00	-	-
10.	Calcium as Ca	APHA 24th Edition 3500 Ca B : 2023	mg/L	192.39	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	27.88	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	592.5	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	417.22	250max	1000 max

Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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Website : www.gemssl.in



TC-16180

ANNEXURE-49

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.39	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	163.61	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	453	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	Nil	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	0.11	0.30max	NR
19.	Chromium as Cr	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.01	0.05 max	NR


Note: GW4: Mariyammanahalli Village. NR-No relaxation

INFERENCE	As per Standards IS: 10500:2012 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
Authorised Signatory
Venkatesh S
Laboratory Incharge



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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Website : www.gemslp.in

ANNEXURE-49
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical/Biological
- 7 Group : Water
- 8 Sample Type : Ground Water
- 9 Sample Code : 8380
- 10 Date of Sampling : 10.01.2026
- 11 Sample Received : 10.01.2026
- 12 Date of Analysis : 12.01.2026
- 13 Date of Analysis Completion : 17.01.2026
- 14 Report Issue Date : 06.02.2026
15. Report Number : GEMS/BMMIL/GW/2025-26/3896

Results

Sl. No	Parameters	Protocol	Unit	Mariyamman a Halli Village (GW4)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
20	Color	APHA 24th Edition -2120 C:2023	Hazen	<5	5max	15max
21	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02max	NR
22	Manganese as Mn	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.10 max	0.30 max
23	Copper as Cu	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.05 max	1.50 max
24	Zinc as Zn	APHA 24th Edition 3111 B : 2023	mg/L	<1.0	5 max	15 max
25	Lead as Pb	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.01 max	NR
26	Arsenic as As	APHA 24th Edition 3114B : 2023	mg/L	<0.01	0.01 max	0.05 max
27	Cadmium as Cd	APHA 24th Edition 3111 B : 2023	mg/L	<0.001	0.003 max	NR
28	Total Coli form count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-
29	Escherichia coli count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

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



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TC-16180

ANNEXURE-50
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

- | | | |
|----|---------------------------------|---|
| 1 | Name of the Industry | : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : Global Environment & Mining Services LLP |
| 4 | Particulars of sample collected | : Grab Sampling |
| 5 | Sampling Procedure | : GEMS-LD/SOP/32 |
| 6 | Discipline | : Chemical |
| 7 | Group | : Water |
| 8 | Sample Type | : Ground Water |
| 9 | Sample Code | : 8383 |
| 10 | Date of Sampling | : 10.01.2026 |
| 11 | Sample Received | : 10.01.2026 |
| 12 | Date of Analysis | : 12.01.2026 |
| 13 | Date of Analysis Completion | : 17.01.2026 |
| 14 | Report Issue Date | : 06.02.2026 |
| 15 | Report Number | : ULR-TC1618025000003899F |

Results

Sl. No.	Parameters	Protocol	Unit	Gunda Thanda (GW5)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.22	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	1210	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	756	500max	2000 max
4.	Turbidity (NTU)	APHA 24th Edition 2130 B: 2023	NTU	0.2	1 max	5max
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	<1.0	-	-
6.	Sulphate as SO ₄	APHA 24th Edition 4500 SO4 E: 2023	mg/L	115.67	200max	400max
7.	Phosphorus as P	APHA 24th Edition 4500 P D: 2023	mg/L	<0.1	-	-
8.	Sodium as Na	APHA 24th Edition 3500 Na B : 2023	mg/L	57.54	-	-
9.	Potassium as K	APHA 24th Edition 3500 K B : 2023	mg/L	0.00	-	-
10.	Calcium as Ca	APHA 24th Edition 3500 Ca B : 2023	mg/L	149.11	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	7.96	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	387.32	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	143.71	250max	1000 max

Note:

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GLOBAL ENVIRONMENT & MINING SERVICES LLP

(Consulting Engineers, Mine designers, Geologist & Surveyors)

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TC-16180

ANNEXURE-50

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.28	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	13.59	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	317.51	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	Nil	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	0.12	0.30max	NR
19.	Chromium as Cr	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.01	0.05 max	NR

Note: GW5: Gunda Thanda. NR-No relaxation.

INFERENCE	As per Standards IS: 10500:2012 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
Authorised Signatory
Venkatesh
Laboratory Incharge



Note:

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Website : www.gemsllp.in

ANNEXURE-50
GEMS-LD/TF/23/01

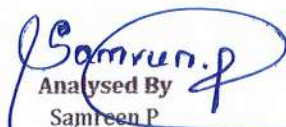
Analysis Report of Water Quality Data

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical/Biological
- 7 Group : Water
- 8 Sample Type : Ground Water
- 9 Sample Code : 8383
- 10 Date of Sampling : 10.01.2026
- 11 Sample Received : 10.01.2026
- 12 Date of Analysis : 12.01.2026
- 13 Date of Analysis Completion : 17.01.2026
- 14 Report Issue Date : 06.02.2026
15. Report Number : GEMS/BMMIL/GW/2025-26/3899

Results

Sl. No	Parameters	Protocol	Unit	Gunda Thanda (GW5)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
20	Color	APHA 24th Edition -2120 C:2023	Hazen	<5	5max	15max
21	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02max	NR
22	Manganese as Mn	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.10 max	0.30 max
23	Copper as Cu	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.05 max	1.50 max
24	Zinc as Zn	APHA 24th Edition 3111 B : 2023	mg/L	<1.0	5 max	15 max
25	Lead as Pb	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.01 max	NR
26	Arsenic as As	APHA 24th Edition 3114B : 2023	mg/L	<0.01	0.01 max	0.05 max
27	Cadmium as Cd	APHA 24th Edition 3111 B : 2023	mg/L	<0.001	0.003 max	NR
28	Total Coli form count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-
29	Escherichia coli count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh
Laboratory Incharge


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



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TC-16180

ANNEXURE-51
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025 - 450000125
3	Sample collected by	: Global Environment & Mining Services LLP
4	Particulars of sample collected	: Grab Sampling
5	Sampling Procedure	: GEMS-LD/SOP/32
6	Discipline	: Chemical
7	Group	: Water
8	Sample Type	: Ground Water
9	Sample Code	: 8384
10	Date of Sampling	: 10.01.2026
11	Sample Received	: 10.01.2026
12	Date of Analysis	: 12.01.2026
13	Date of Analysis Completion	: 17.01.2026
14	Report Issue Date	: 06.02.2026
15	Report Number	: ULR-TC1618025000003900F

Results

Sl. No.	Parameters	Protocol	Unit	G. Nagalapura Village (GW6)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.24	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	1210	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	747	500max	2000 max
4.	Turbidity (NTU)	APHA 24th Edition 2130 B: 2023	NTU	0.2	1 max	5max
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	<1.0	-	-
6.	Sulphate as SO ₄	APHA 24th Edition 4500 SO4 E: 2023	mg/L	59.44	200max	400max
7.	Phosphorus as P	APHA 24th Edition 4500 P D: 2023	mg/L	<0.1	-	-
8.	Sodium as Na	APHA 24th Edition 3500 Na B : 2023	mg/L	49.75	-	-
9.	Potassium as K	APHA 24th Edition 3500 K B : 2023	mg/L	0.00	-	-
10.	Calcium as Ca	APHA 24th Edition 3500 Ca B : 2023	mg/L	122.57	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	7.05	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	349.56	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	243.	250max	1000 max

Note:

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TC-16180

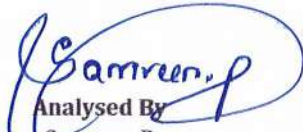
ANNEXURE-51

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.31	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	9.56	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	374.62	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	Nil	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	0.11	0.30max	NR
19.	Chromium as Cr	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.01	0.05 max	NR

Note: GW6: G Nagalapura Village. NR-No relaxation.

INFERENCE	As per Standards IS: 10500:2012 Report Status: - Measured Values for the above parameters are within the limit.
------------------	--

End of the Report


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh S
Laboratory Incharge



Note:

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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ANNEXURE-51
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical/Biological
- 7 Group : Water
- 8 Sample Type : Ground Water
- 9 Sample Code : 8384
- 10 Date of Sampling : 10.01.2026
- 11 Sample Received : 10.01.2026
- 12 Date of Analysis : 12.01.2026
- 13 Date of Analysis Completion : 17.01.2026
- 14 Report Issue Date : 06.02.2026
15. Report Number : GEMS/BMMIL/GW/2025-26/3900

Results

Sl. No	Parameters	Protocol	Unit	G. Nagalapura Village (GW6)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
20	Color	APHA 24th Edition -2120 C:2023	Hazen	<5	5max	15max
21	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02max	NR
22	Manganese as Mn	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.10 max	0.30 max
23	Copper as Cu	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.05 max	1.50 max
24	Zinc as Zn	APHA 24th Edition 3111 B : 2023	mg/L	<1.0	5 max	15 max
25	Lead as Pb	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.01 max	NR
26	Arsenic as As	APHA 24th Edition 3114B : 2023	mg/L	<0.01	0.01 max	0.05 max
27	Cadmium as Cd	APHA 24th Edition 3111 B : 2023	mg/L	<0.001	0.003 max	NR
28	Total Coli form count	IS: 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-
29	Escherichia coli count	IS: 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation

Analysed By
Samreen P.
Chemist

Authorised Signatory
Venkatesh S.
Laboratory Incharge

- Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
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TC-16180

ANNEXURE-52
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	:	Global Environment & Mining Services LLP
4	Particulars of sample collected	:	Grab Sampling
5	Sampling Procedure	:	GEMS-LD/SOP/32
6	Discipline	:	Chemical
7	Group	:	Water
8	Sample Type	:	RO Drinking Water
9	Sample Code	:	8385
10	Date of Sampling	:	10.01.2026
11	Sample Received	:	10.01.2026
12	Date of Analysis	:	12.01.2026
13	Date of Analysis Completion	:	17.01.2026
14	Report Issue Date	:	06.02.2026
15	Report Number	:	ULR-TC1618025000003901F

Results

Sl. No.	Parameters	Protocol	Unit	RO Drinking Water	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.03	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	260	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	146	500max	2000 max
4.	Turbidity (NTU)	APHA 24th Edition 2130 B: 2023	NTU	0.1	1 max	5max
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	<1.0	-	-
6.	Sulphate as SO ₄	APHA 24th Edition 4500 SO ₄ E: 2023	mg/L	17.17	200max	400max
7.	Phosphorus as P	APHA 24th Edition 4500 P D: 2023	mg/L	<0.1	-	-
8.	Sodium as Na	APHA 24th Edition 3500 Na B : 2023	mg/L	19.01	-	-
9.	Potassium as K	APHA 24th Edition 3500 K B : 2023	mg/L	0.00	-	-
10.	Calcium as Ca	APHA 24th Edition 3500 Ca B : 2023	mg/L	29.11	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	1.54	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	83.56	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	31.58	250max	1000 max

Note:

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Ph : 08394 355369

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Website : www.gemslp.in



TC-16180

ANNEXURE-52

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	BDL	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	1.01	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	51.56	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	0.0	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	BDL	0.30max	NR
19.	Chromium as Cr	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.01	0.05 max	NR

Note: **W6**: RO Drinking Water. **NR**-No relaxation. **Ab**-Absent.

INFERENCE	As per Standards IS: 10500:2012 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
Authorised Signatory
Venkatesh
Laboratory Incharge

Global Environment & Mining Services
HOSAPETE

Note:

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GEMS



NABET

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Website : www.gemslp.in

ANNEXURE-52
GEMS-LD/TF/23/01**Analysis Report of Water Quality Data**

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical/Biological
- 7 Group : Water
- 8 Sample Type : RO Drinking Water
- 9 Sample Code : 8385
- 10 Date of Sampling : 10.01.2026
- 11 Sample Received : 10.01.2026
- 12 Date of Analysis : 12.01.2026
- 13 Date of Analysis Completion : 17.01.2026
- 14 Report Issue Date : 06.02.2026
15. Report Number : GEMS/BMMIL/RO/2025-26/3901

Results

Sl. No	Parameters	Protocol	Unit	RO Drinking Water	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
20	Colour	APHA 24th Edition -2120 C:2023	Hazen	<5	5max	15max
21	Total Residual chlorine	APHA 24th Edition-4500-CI B:2023	mg/L	Nil	0.2max	1.0max
22	Oil & Grease	APHA 24th Edition 5520 B: 2023	mg/L	Nil	0.8max	No Relaxation
23	Selenium as Se	APHA 24th Edition 3114 C : 2023	mg/L	<0.01	0.01max	No Relaxation
24	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02 max	NR
25	Manganese as Mn	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.10 max	0.30 max
26	Copper as Cu	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.05 max	1.50 max
27	Zinc as Zn	APHA 24th Edition 3111 B : 2023	mg/L	<1.0	5 max	15 max
28	Lead as Pb	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.01 max	NR
29	Arsenic as As	APHA 24th Edition 3114B : 2023	mg/L	<0.01	0.01 max	0.05 max
30	Cadmium as Cd	APHA 24th Edition 3111 B : 2023	mg/L	<0.001	0.003 max	NR
31	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	0.05max	No Relaxation
32	Phenolic Compound as phenols	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	1.0max	-
33	Boron as B	APHA 24th Edition 4500BB: 2023	mg/L	BDL	0.5max	1.0
34	<i>Escherichia coli</i> count	IS :15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation,

Analysed By
Samreen P
Chemist

Authorized Signatory
Venkatesh S
Laboratory Incharge

- Recognized by Ministry of Environment, Forest and Climate Change for Laboratory
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e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



TC-16180

ANNEXURE-53
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 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 Date of Sampling : 10.01.2026
- 10 Sample Received : 10.01.2026
- 11 Date of Analysis : 12.01.2026
- 12 Date of Analysis Completion : 17.01.2026
- 13 Report Issue Date : 06.02.2026
- 14 Report Number : ULR-TC1618025000003902F

Sl. No.	Parameters	Protocol	Unit	Results			As per KSPCB Std	
				STP 45 KLD	STP-1 90 KLD	STP-2 90 KLD		
Sample code				-	8386	8387	8388	
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	8.11	7.6	7.36	6.5 to 8.5	
2.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	12	8.0	19.0	<20	
3.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	3.0	3.0	5.0	<10	
4.	Chemical Oxygen Demand as COD	APHA 24th Edition 5220 B: 2023	mg/L	11.58	17.66	31.57	<50	
5.	Oil & Grease	APHA 24th Edition 5520 B: 2023	mg/L	0.0	0.0	2.0	10	

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

STP 45 KLD - Near Fortivia

STP-1 90 KLD -Near ISP Area

STP-2 90 KLD -Near Gunda Guest House

End of the Report

Analysed By
Samreen P.
Chemist

Authorised Signatory
Venkatesh S.
Laboratory Incharge

Note:

1. The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in

ANNEXURE-53
GEMS-LD/TF/23/01**Analysis Report of Water Quality Data**

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
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	Date of Sampling	: 10.01.2026
10	Sample Received	: 10.01.2026
11	Date of Analysis	: 12.01.2026
12	Date of Analysis Completion	: 17.01.2026
13	Report Issue Date	: 06.02.2026
14.	Report Number	: GEMS/BMMIL/STP/2025-26/3902

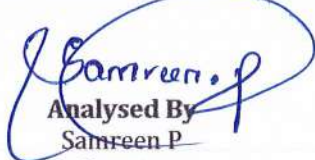
Sl. No.	Parameters	Protocol	Unit	Results			As per KSPCB Std	
				STP 45 KLD	STP-1 90 KLD	STP-2 90 KLD		
Sample code				-	8386	8387	8388	-
6.	Color	APHA 24th Edition -2120 C:2023	Hazen	5	5	5	-	
7.	Odour	IS: 3025 (PART 5)- 1983, RA-2012, True Odour	-	Agree able	Agree able	Agree able	-	
8.	Cyanides (as CN)	APHA 24th Edition 4500 CN -D: 2023	mg/L	BDL	BDL	BDL	-	
9.	Phenolic Compounds (as C ₆ H ₅ OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	BDL	BDL	-	
10.	Chromium (as Cr ⁶⁺)	APHA 24th Edition 3111Cr B : 2023	mg/L	<0.001	<0.001	<0.001	-	
11.	Ammonical Nitrogen as N	IS:3025 (part 34)-1988, RA-2023	mg/L	0.31	0.45	2.01	5	
12.	Total Nitrogen as N	IS:3025 (part 34)-1988, RA-2023	mg/L	0.56	1.01	3.76	10	
13.	Fecal coliform	APHA 24th Edition 9211 B :2023	CFU/100ml	7	6	19	Less than 100	


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

STP 45 KLD - Near Fortivia

STP-1 90 KLD -Near ISP Area

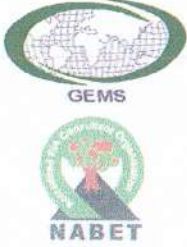
STP-2 90 KLD -Near Gunda Guest House


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh
Laboratory Incharge



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TC-16180

ANNEXURE-54
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
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	:	Waste Water
9	Date of Sampling	:	10.01.2026
10	Sample Received	:	10.01.2026
11	Date of Analysis	:	12.01.2026
12	Date of Analysis Completion	:	17.01.2026
13	Report Issue Date	:	06.02.2026
14	Report Number	:	ULR-TC1618025000003323F

Results

Sl. No.	Parameters	Protocol	Unit	Results		As per KSPCB Std
				Neutralization Pit 70 MW Power Plant	Neutralization Pit 2x70 MW Power Plant	
Sample Code				3905	3906	
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.66	6.82	6.5 to 9.0
2.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	21.0	18.0	100
3.	Chemical Oxygen Demand as COD	APHA 24th Edition 5220 B: 2023	mg/L	139.24	106.21	250
4.	Oil & Grease	APHA 24th Edition 5520 B: 2023	mg/L	3.5	3.0	10

Note: BDL-Below detectable Limit.

INFERENCE: The Measured values are within the Limit.

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

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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ANNEXURE-55
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
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	: Surface Water
9	Date of Sampling	: 10.01.2026
10	Sample Received	: 10.01.2026
11	Date of Analysis	: 12.01.2026
12	Date of Analysis Completion	: 17.01.2026
13	Report Issue Date	: 06.01.2026
14	Report Number	: ULR-TC1618025000003907F

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				Danayakanakere Upstream	Danayakanakere Downstream	
Sample code				8391	8392	
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.51	7.68	6.5-8.5
2.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	3.0	2.0	3.0
3.	Fluorides as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.24	0.33	1.3

INFERENCE: The measured values are within the Limit
End of the Report

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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ANNEXURE-55
GEMS-LD/TF/23/01

Analysis Report of Water Quality Data

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 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 : **Surface Water**
- 9 Date of Sampling : 10.01.2026
- 10 Sample Received : 10.01.2026
- 11 Date of Analysis : 12.01.2026
- 12 Date of Analysis Completion : 17.01.2026
- 13 Report Issue Date : **06.01.2026**
- 14 Report Number : **GEMS/SW/2025-26/3907**

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				Danayakanakere Upstream	Danayakanakere Downstream	
Sample code				8391	8392	
4	Arsenic as As	APHA 24th Edition 3114-B : 2023	mg/L	<0.01	<0.01	0.2
5	Dissolved Oxygen	APHA 24th Edition 4500 O C:2023	mg/L	5.8	5.6	>5.0
6	Color	APHA 24th Edition -2120 C:2023	Hazen	15	15	300
7	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	BDL	0.05
8	Phenolic Compounds (as C ₆ H ₅ OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	BDL	0.005
9	Chromium (as Cr ⁶⁺)	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.001	<0.001	1.0
10	Total Coliform Organisms					
	Total Coli forms	IS : 1622:1981	MPN/100 ml	70	50	500
	<i>Escherichia coli</i> or <i>E. coli</i>	IS : 1622:1981	MPN/100 ml	Absent	Absent	-

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh
Laboratory Incharge

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TC-16180



ANNEXURE-56
GEMS-LD/TF/23/01**Analysis Report of Water Quality Data**

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.4500003634 DATED:01.07.2025
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	:	Surface Water
9	Date of Sampling	:	10.01.2026
10	Sample Received	:	10.01.2026
11	Date of Analysis	:	12.01.2026
12	Date of Analysis Completion	:	17.01.2026
13	Report Issue Date	:	06.02.2026
14.	Report Number	:	ULR-TC1618025000003909F

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				KempuHalla Upstream	KempuHalla Downstream	
Sample code				8393	8394	
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	8.32	7.74	6.5-8.5
2.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	2.0	2.0	3.0
3.	Fluorides as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.52	0.47	1.5

INFERENCE: The measured values are within the Limit****End of the Report****


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh
Laboratory Incharge


Note:

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ANNEXURE-56
GEMS-LD/TF/23/01**Analysis Report of Water Quality Data**

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
 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 : **Surface Water**
 9 Date of Sampling : 10.01.2026
 10 Sample Received : 10.01.2026
 11 Date of Analysis : 12.01.2026
 12 Date of Analysis Completion : 17.01.2026
 13 Report Issue Date : 06.02.2026
 14. Report Number : **GEMS/SW/2025-26/3909**

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				KempuHalla Upstream	KempuHalla Downstream	
Sample code				6548	6549	
4	Arsenic as As	APHA 24th Edition 3114- B : 2023	mg/L	<0.01	<0.01	0.2
5	Dissolved Oxygen	APHA 24th Edition 4500 O C:2023	mg/L	5.0	5.4	>5.0
6	Color	APHA 24th Edition -2120 C:2023	Hazen	25	25	300
7	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	BDL	0.05
8	Phenolic Compounds (as C ₆ H ₅ OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	BDL	0.005
9	Chromium (as Cr ⁶⁺)	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.001	<0.001	1.0
10	Total Coliform Organisms					
	Total Coli forms	IS : 1622:1981	MPN/100 ml	33	26	500
	<i>Escherichia coli</i> or <i>E. coli</i>	IS : 1622:1981	MPN/100 ml	Absent	Absent	-

Samreen P
 Analysed By
 Samreen P
 Chemist

V. Venkatesh
 Authorised Signatory
 Venkatesh
 Laboratory Incharge

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TC-16180

ANNEXURE-57
GEMS-LD/TF/23/01

Analysis Report of Surface Water Quality Data


1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
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/Biological
7	Group	: Pollution & Environment
8	Sample Type	: Surface Water
9	Date of Sampling	: 10.01.2026
10	Sample Received	: 10.01.2026
11	Date of Analysis	: 12.01.2026
12	Date of Analysis Completion	: 17.01.2026
13	Report Issue Date	: 06.01.2026
14	Report Number	: ULR-TC1618025000003911F

Sl. No.	Parameters	Protocol	Unit	Results	
				Tungabhadra dam	IS 2296 -1982 CLASS -B
				Sample Code	8395
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	6.96	6.5-8.5
2.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	2.0	3.0
3.	Fluorides as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.32	1.5
4.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	201	-
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	34	-

Note: BDL-Below detectable Limit

INFERENCE: The measured values are within the Limit.

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


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh
Laboratory Incharge



Note:

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ANNEXURE-57

GEMS-LD/TF/23/01


Analysis Report of Water Quality Data

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 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/Biological
- 7 Group : Pollution & Environment
- 8 Sample Type : **Surface Water**
- 9 Date of Sampling : 10.01.2026
- 10 Sample Received : 10.01.2026
- 11 Date of Analysis : 12.01.2026
- 12 Date of Analysis Completion : 17.01.2026
- 13 Report Issue Date : 06.01.2026
14. Report Number : **GEMS/SW/2025-26/3911**


Sl. No.	Parameters	Protocol	Unit	Results	
				Tungabhadra dam	IS 2296 -1982 CLASS -B
Sample Code				8395	
6.	Color	APHA 24th Edition -2120 C:2023	Hazen	10	300
7.	Arsenic as As	APHA 24th Edition 3114- B : 2023	mg/L	<0.01	0.2
8.	Dissolved Oxygen	APHA 24th Edition 4500 O C:2023	mg/L	5.2	>5.0
9.	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	0.05
10.	Phenolic Compounds (as C ₆ H ₅ OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	0.005
11.	Chromium (as Cr ⁶⁺)	APHA 24th Edition 3500 Cr-B:2023	mg/L	BDL	1.0
12.	Total Coliform Organisms,				
	Total Coli forms	IS :1622:1981	MPN/100 ml	80	500
	Escherichia coli or E. coli	IS : 1622:1981	MPN/100 ml	Absent	-

Note: BDL-Below detectable Limit

INFERENCE: The measured values are within the Limit.


Analysed By
 Samreen P
 Chemist


Authorised Signatory
 Venkatesh S
 Laboratory Incharge



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