

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.

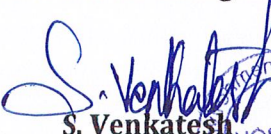
As part of the conditions and inherent concern on health of the employees and surroundings **M/s. BMM Ispat Ltd.**, as appointed **M/s. Global Environment & Mining Services LLP**, Hosapete, to carry out the environmental pollution monitoring on AAQ Monitoring, Fugitive monitoring, Noise Monitoring, Water 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:07.01.2026


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 Billet Caster	1.10 MTPA 1.10 MTPA
9	Rolling mills: Hot strip mill Structural/wire rods	1.00 MTPA 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 **NOVEMBER-2025**. 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 63.78, 19.89, 8.26 & 9.56 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 62.51, 15.33, 8.76 & 10.35 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 62.68, 15.13, 7.70 & 10.53 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 65.54, 17.74, 10.36 & 12.69 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 53.3, 12.31, 7.81 & 9.28 µg/m³ 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 57.26, 13.87, 7.45 & 8.67 µg/m³ 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 147.14 µg/m³, maximum value 1968.56 µg/m³ and average value 954.67 µg/m³. 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/Nm³) 1st and 2nd Fortnight Minimum Value 12.38 mg/Nm³, Maximum Value 33.46 mg/Nm³ & Average Value 20.90 mg/Nm³. 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 44.8 to 73.9 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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NABET

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-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	: DECEMBER-2025
Location	: A1-Danapur Village
Duration of Monitoring	: 24 Hour
Report Issued Date	: 07.01.2026
Report Number	: ULR-TC1618025000003493F

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
02.12.2025	03.12.2025	7227	73.82	100	20.07	60	8.81	80	10.36	80
03.12.2025	04.12.2025	7267	62.83		16.83		8.06		9.91	
09.12.2025	10.12.2025	7385	61.41		21.34		8.76		10.97	
10.12.2025	11.12.2025	7496	59.01		21.11		9.10		9.82	
16.12.2025	17.12.2025	7648	69.07		19.96		7.75		8.36	
17.12.2025	18.12.2025	7688	48.11		23.42		7.55		10.48	
23.12.2025	24.12.2025	7886	72.47		17.62		9.12		9.06	
24.12.2025	25.12.2025	7927	63.54		18.78		6.93		7.52	
Average			63.78				19.89			

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.
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****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 7 Days, 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.
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- Recognised by Government of Karnataka, Maharashtra, Goa for DGPS survey



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 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 : **DECEMBER-2025**
 Location : **A1-Danapur Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **07.01.2026**
 Report Number : **GEMS/BMMIL/NAAQ/2025-26/3493**

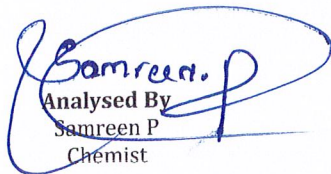
RESULTS

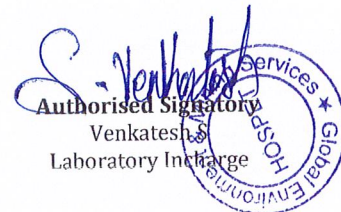
Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	02.12.2025	7227	0.14	4.0
2	03.12.2025	7267	0.15	
3	09.12.2025	7385	0.11	
4	10.12.2025	7496	0.13	
5	16.12.2025	7648	0.16	
6	17.12.2025	7688	0.11	
7	23.12.2025	7886	0.13	
8	24.12.2025	7927	0.12	

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

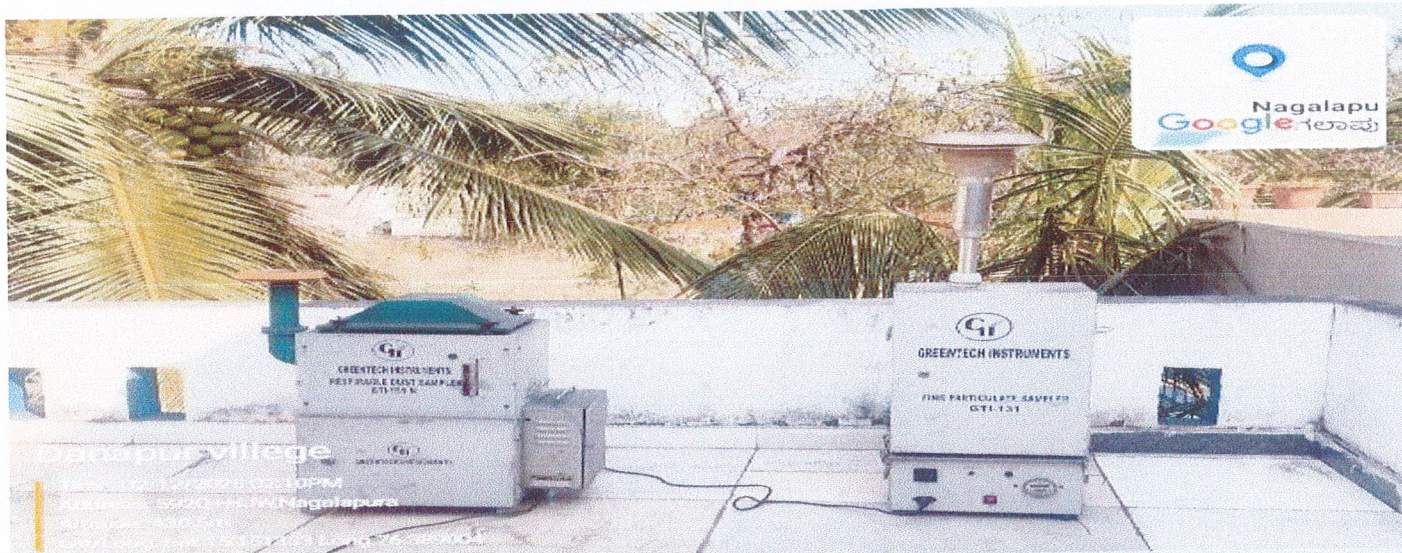
INFERENCE	As per NAAQMS Standards (2009), Report Status: - Measured Values for the above parameters are within the limit
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 Analysed By
 Samreen P
 Chemist


 Authorised Signatory
 Venkatesh
 Laboratory Incharge

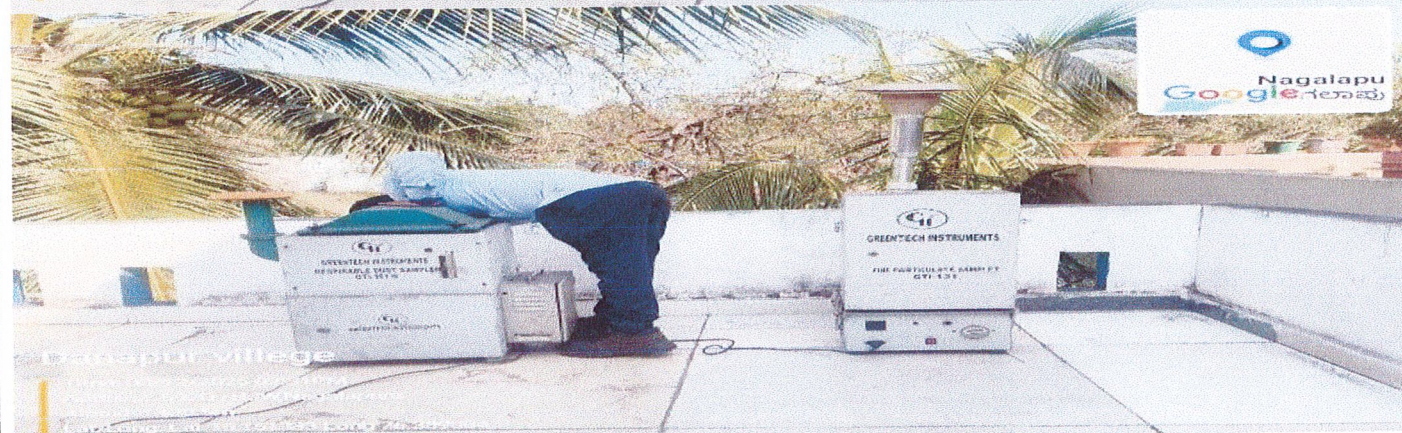
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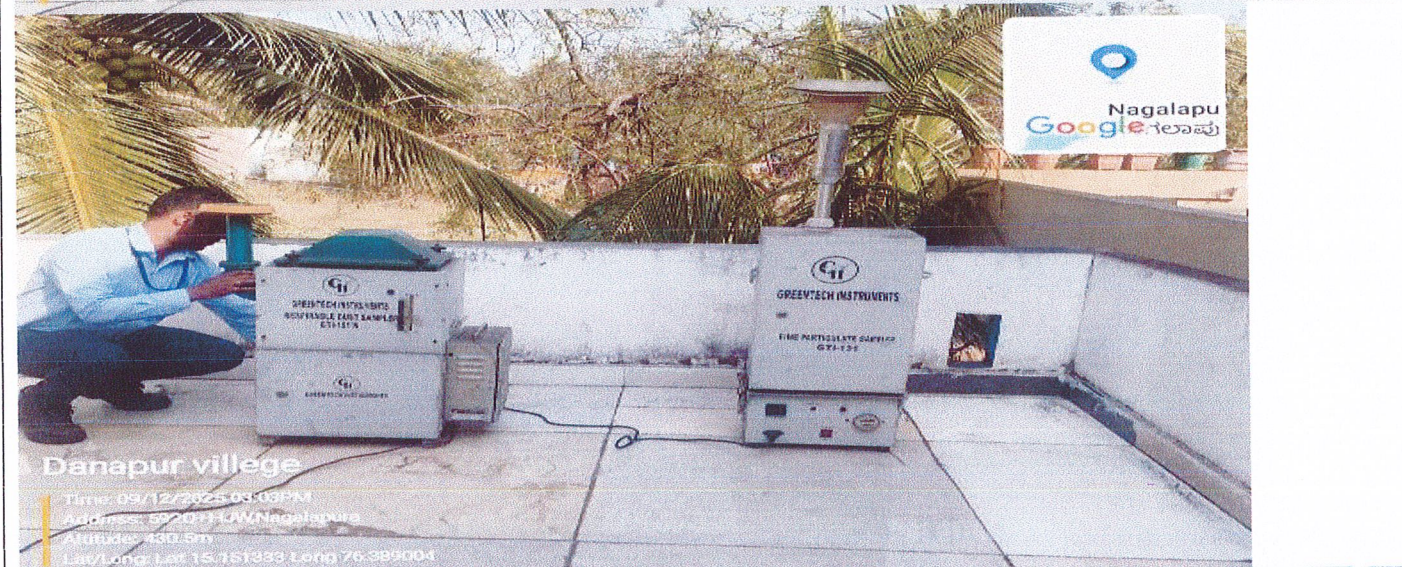
Danapur villege

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Altitude: 430.5m
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Danapur villege

Time: 09/12/2025 02:40PM
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Altitude: 430.5m
Lat/Long: Lat 15.151333 Long 76.389004



Danapur villege

Time: 09/12/2025 03:09PM
Address: 5920 H.W,Nagalapura
Altitude: 430.5m
Lat/Long: Lat 15.151333 Long 76.389004



Danapur villege

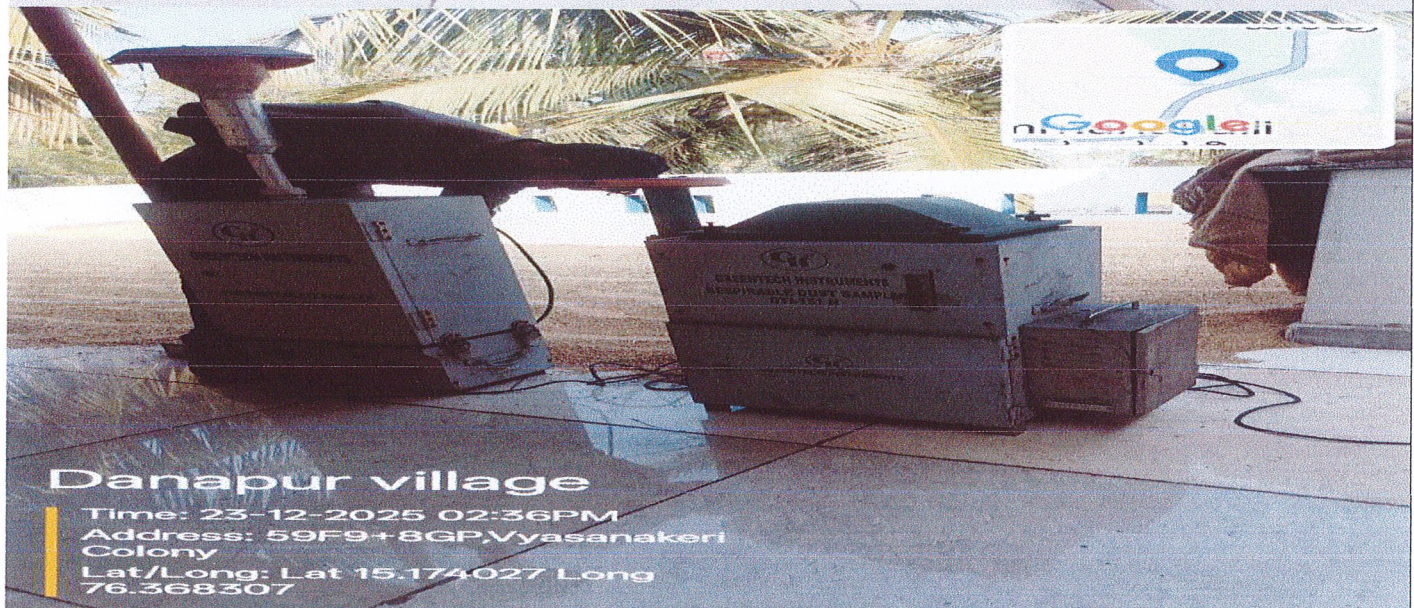
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Altitude: 430.5m
Lat/Long: Lat 15.151333 Long 76.389004



Danapur villege
Time: 17/12/2025 02:54PM
Address: 5920+11GM,Nagalapur
Altitude: 4333.6m
Lat/Long: Lat 15.151330 Long 76.389004



Danapur villege
Time: 17/12/2025 02:54PM
Address: 5920+11GM,Nagalapur
Altitude: 4333.6m
Lat/Long: Lat 15.151330 Long 76.389004



Danapur villege
Time: 23-12-2025 02:36PM
Address: 59F9+8GP,Vyasanakeri Colony
Lat/Long: Lat 15.174027 Long 76.368307



Danapur villege
Time: 24-12-2025 02:41PM
Address: 59F9+8GP,Vyasanakeri Colony
Lat/Long: Lat 15.174027 Long 76.368307



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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 : **DECEMBER -2025**
 Location : **A2-Mariyammanahalli Village**
 Duration of Monitoring : 24 Hour
 Report Issued Date : **07.01.2026**
 Report Number : **ULR-TC1618025000003494F**

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
02.12.2025	03.12.2025	7228	63.37	100	18.36	60	10.11	80	10.85	80
03.12.2025	04.12.2025	7268	57.53		17.83		7.70		8.42	
09.12.2025	10.12.2025	7386	64.35		14.01		10.74		11.83	
10.12.2025	11.12.2025	7497	63.99		14.10		7.91		9.71	
16.12.2025	17.12.2025	7649	74.66		15.04		9.20		11.07	
17.12.2025	18.12.2025	7689	54.32		13.11		7.66		8.82	
23.12.2025	24.12.2025	7887	67.59		17.28		8.14		9.76	
24.12.2025	25.12.2025	7928	54.25		12.87		8.62		12.32	
Average			62.51				15.33			

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

Samreen P
Analysed By
Samreen P
Chemist

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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 : CO Analyser
 Month : **DECEMBER-2025**
 Location : **A2-Mariyammanahalli Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **07.01.2026**
 Report Number : **GEMS/BMM/NAAQ/2025-26/3494**

RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	02.12.2025	7228	0.19	4.0
2	03.12.2025	7268	0.13	
3	09.12.2025	7386	0.06	
4	10.12.2025	7497	0.07	
5	16.12.2025	7649	0.18	
6	17.12.2025	7689	0.05	
7	23.12.2025	7887	0.15	
8	24.12.2025	7928	0.08	

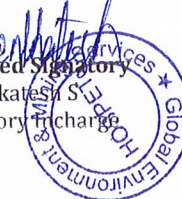
Note: CO - GEMS/SOP/86/as per CO Analyzer Manual (1 Hour)
 ND - Not Detected

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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 Samreen P
 Chemist

S. Venkatesh
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 Venkatesh S
 Laboratory Incharge


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Mariyammanahalli villege

Time: 02/12/2025 06:11PM
Address: 59RG+WGQ,Hospet
Altitude: 441.6m
Lat/Long: Lat 15.192338 Long 76.37631



Mariyammanahalli villege

Time: 03/12/2025 05:59PM
Address: 59RG+WGQ,Hospet
Altitude: 441.6m
Lat/Long: Lat 15.192338 Long 76.37631



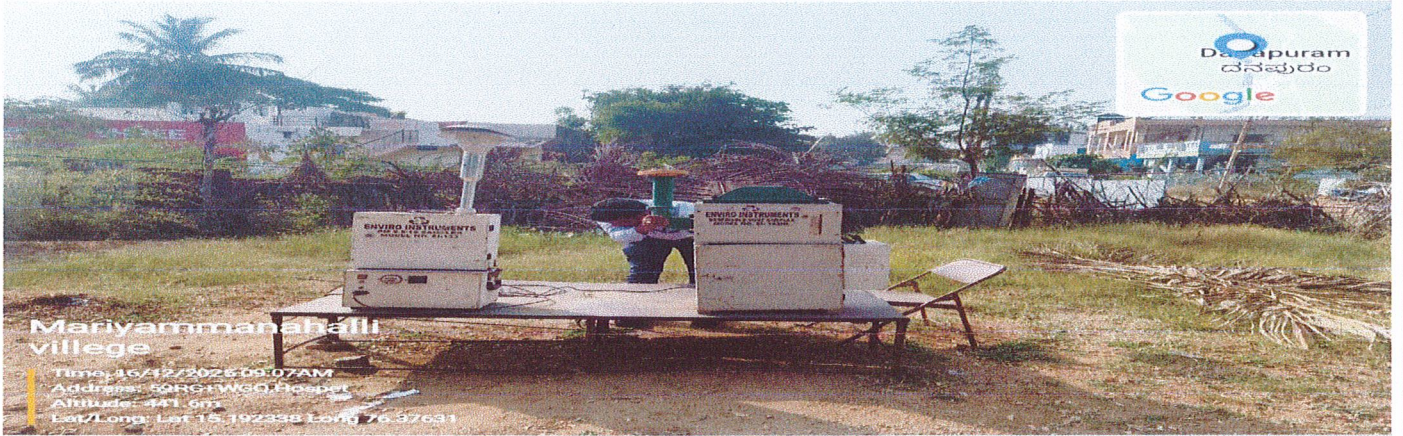
Mariyammanahalli villege

Time: 09/12/2025 08:08AM
Address: 59RG+WGQ,Hospet
Altitude: 441.6m
Lat/Long: Lat 15.192338 Long 76.37631



Mariyammanahalli villege

Time: 10/12/2025 08:37AM
Address: 59RG+WGQ,Hospet
Altitude: 441.6m
Lat/Long: Lat 15.192338 Long 76.37631



Daapuram
ದನಪುರಂ
Google

Mariyammahalli villege

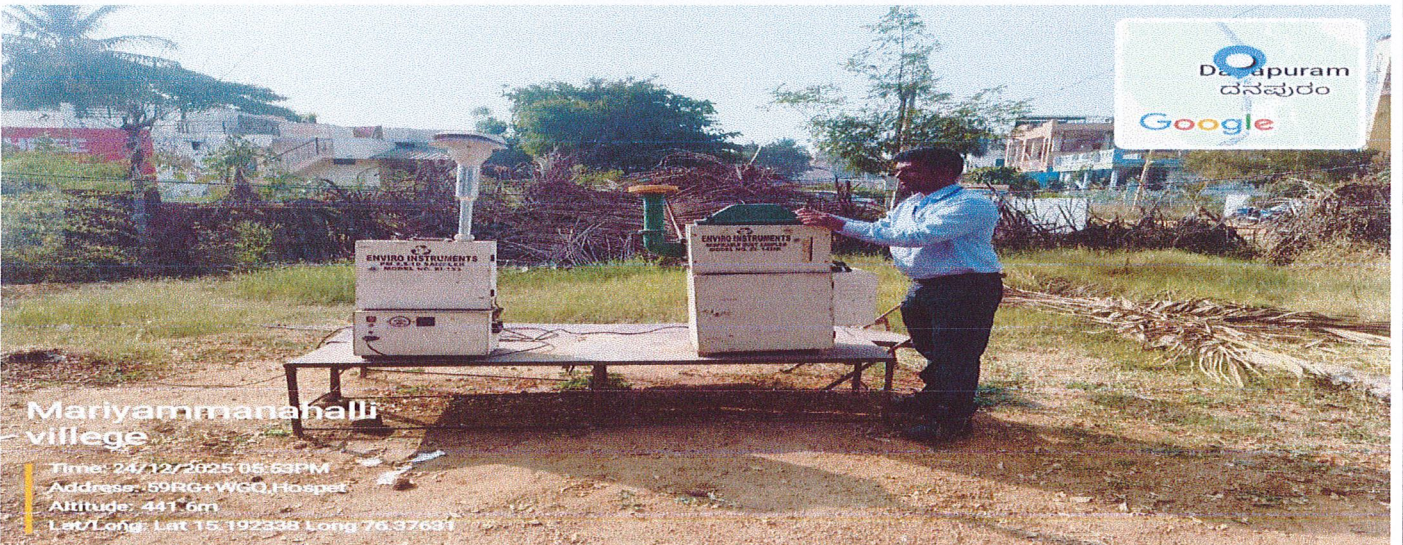
Time: 16/12/2025 09:07AM
Address: 59RG+WCO,Hospet
Altitude: 441.6m
Lat/Long: Lat 15.192338 Long 76.37631



Daapuram
ದನಪುರಂ
Google

Mariyammahalli villege

Time: 17/12/2025 08:42AM
Address: 59RG+WCO,Hospet
Altitude: 441.6m
Lat/Long: Lat 15.192338 Long 76.37631



Daapuram
ದನಪುರಂ
Google

Mariyammahalli villege

Time: 24/12/2025 05:53PM
Address: 59RG+WCO,Hospet
Altitude: 441.6m
Lat/Long: Lat 15.192338 Long 76.37631



Daapuram
ದನಪುರಂ
Google

Mariyammahalli villege

Time: 23/12/2025 05:58PM
Address: 59RG+WCO,Hospet
Altitude: 441.6m
Lat/Long: Lat 15.192338 Long 76.37631



GEMS



NABET

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-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 : **DECEMBER -2025**
 Location : **A3-Hanumanahalli Village**
 Duration of Monitoring : 24 Hour
 Report Issued Date : **07.01.2026**
 Report Number : **ULR-TC1618025000003495F**

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
02.12.2025	03.12.2025	7229	65.41	100	13.14	60	8.34	80	11.21	80
03.12.2025	04.12.2025	7269	71.13		17.92		7.82		10.29	
09.12.2025	10.12.2025	7387	66.16		18.87		8.42		9.94	
10.12.2025	11.12.2025	7498	62.12		10.77		7.49		10.99	
16.12.2025	17.12.2025	7650	70.98		13.50		7.70		10.91	
17.12.2025	18.12.2025	7690	55.45		13.26		7.79		8.75	
23.12.2025	24.12.2025	7888	53.34		15.40		7.22		10.30	
24.12.2025	25.12.2025	7929	56.85		18.13		6.84		11.81	
Average			62.68				15.13			

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.
-----------	--

Samreen P
Analysed By
Samreen P
Chemist

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

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

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, 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
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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 : **DECEMBER-2025**
 Location : **A3-Hanumanahalli Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **07.01.2026**
 Report Number : **GEMS/BMM/NAAQ/2025-26/3495**

RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	02.12.2025	7229	0.17	4.0
2	03.12.2025	7269	0.12	
3	09.12.2025	7387	0.15	
4	10.12.2025	7498	0.18	
5	16.12.2025	7650	0.13	
6	17.12.2025	7690	0.12	
7	23.12.2025	7888	0.15	
8	24.12.2025	7929	0.09	


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

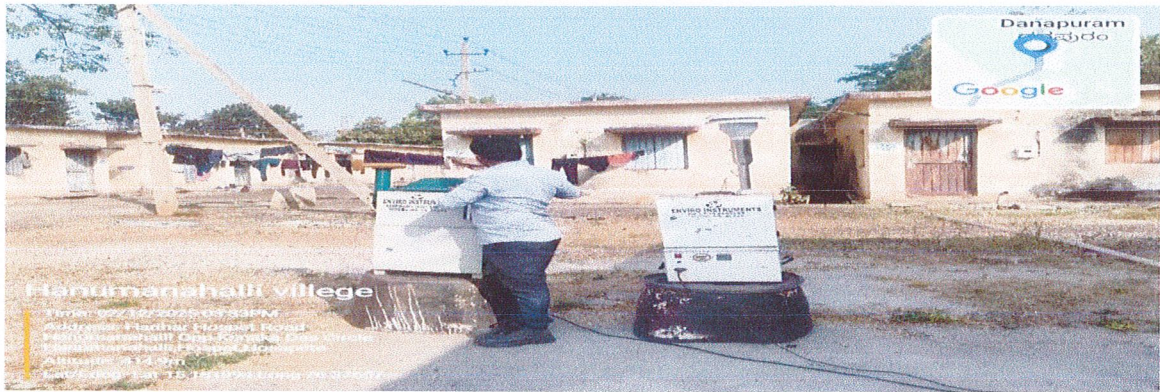
INFERENCE	As per NAAQMS Standards (2009), Report Status: - Measured Values for the above parameters are within the limit
-----------	---

Samreen P
 Analysed By
 Samreen P
 Chemist

S. Venkatesh
 Authorised Signatory
 Venkatesh
 Laboratory Incharge


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



Hanumanahalli villege

Time: 09/12/2025 03:46PM
Address: Hanur Har Hospet Road
Hanumanahalli Opp Kanaka Das Circle
Hanumanahalli, Hospet, Hosapeta
Altitude: 414.9m
Lat/Long: Lat 15.181994 Long 76.37657



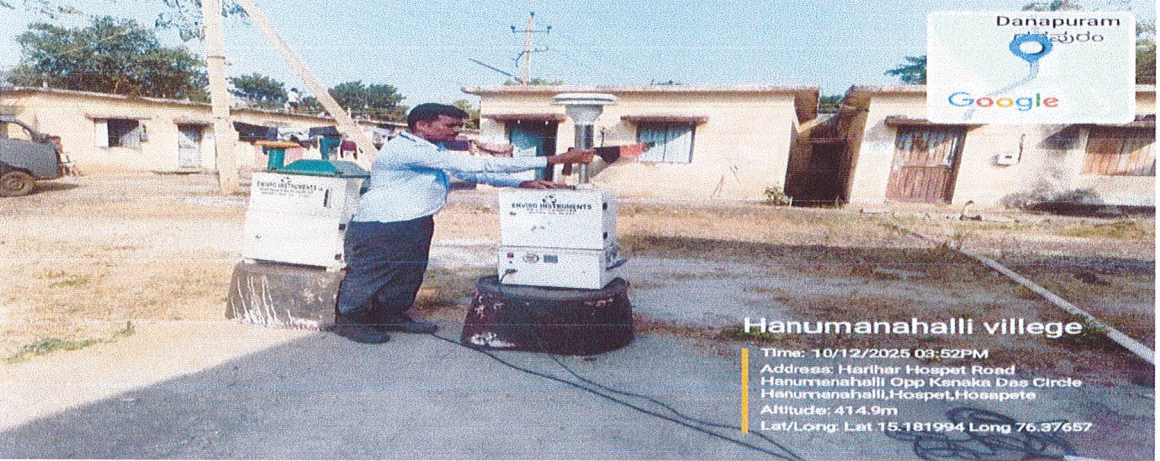
Hanumanahalli villege

Time: 09/12/2025 03:46PM
Address: Hanur Har Hospet Road
Hanumanahalli Opp Kanaka Das Circle
Hanumanahalli, Hospet, Hosapeta
Altitude: 414.9m
Lat/Long: Lat 15.181994 Long 76.37657



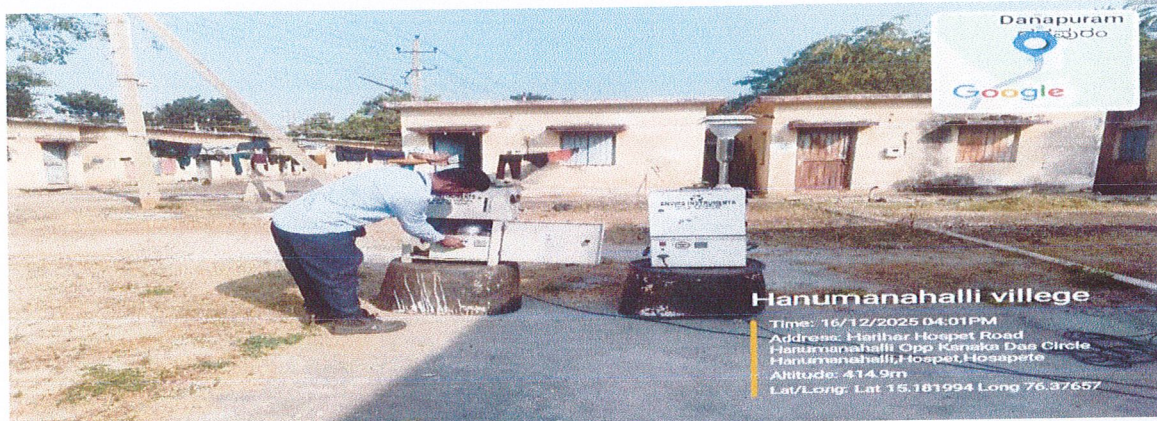
Hanumanahalli villege

Time: 09/12/2025 03:12PM
Address: Hanur Har Hospet Road
Hanumanahalli Opp Kanaka Das Circle
Hanumanahalli, Hospet, Hosapeta
Altitude: 414.9m
Lat/Long: Lat 15.181994 Long 76.37657

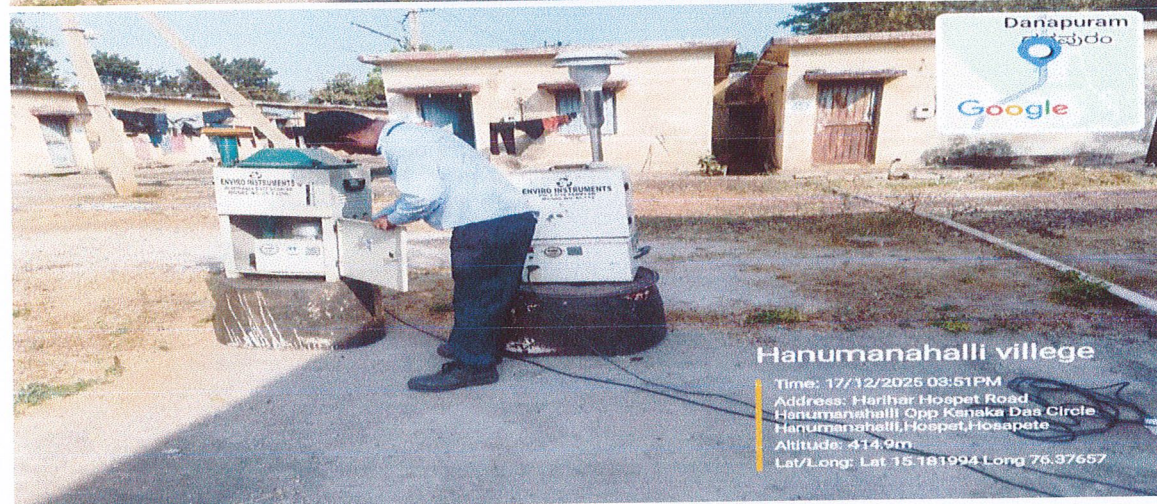


Hanumanahalli villege

Time: 10/12/2025 03:52PM
Address: Hanur Har Hospet Road
Hanumanahalli Opp Kanaka Das Circle
Hanumanahalli, Hospet, Hosapeta
Altitude: 414.9m
Lat/Long: Lat 15.181994 Long 76.37657



Hanumanahalli villege
Time: 16/12/2025 04:01PM
Address: Harihar Hospet Road
Hanumanahalli Opp Kanaka Das Circle
Hanumanahalli, Hospet, Hosapete
Altitude: 414.9m
Lat/Long: Lat 15.181994 Long 76.37657



Hanumanahalli villege
Time: 17/12/2025 08:51PM
Address: Harihar Hospet Road
Hanumanahalli Opp Kanaka Das Circle
Hanumanahalli, Hospet, Hosapete
Altitude: 414.9m
Lat/Long: Lat 15.181994 Long 76.37657



hanumanahalli villege
Time: 23-12-2025 02:48PM
Address: 59MH+M2F,Basapura
Lat/Long: Lat 15.184184 Long 76.377545



hanumanahalli villege
Time: 24-12-2025 02:53PM
Address: 59MH+M2F,Basapura
Lat/Long: Lat 15.184184 Long 76.377545



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Ph : 08394 35369

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 : **DECEMBER -2025**
 Location : **A4-Galemmanagudi Village**
 Duration of Monitoring : 24 Hour
 Report Issue Date : **07.01.2026**
 Report Number : **ULR-TC1618025000003496F**

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				
02.12.2025	03.12.2025	7230	56.35	100	17.97	60	8.45	80	9.44	80				
03.12.2025	04.12.2025	7270	74.87		18.82		12.49		15.27					
09.12.2025	10.12.2025	7388	66.85		19.74		11.69		12.59					
10.12.2025	11.12.2025	7499	67.04		18.57		10.67		14.75					
16.12.2025	17.12.2025	7651	70.46		17.06		8.69		11.23					
17.12.2025	18.12.2025	7691	74.75		20.41		11.03		11.79					
23.12.2025	24.12.2025	7889	56.53		14.09		10.81		14.88					
24.12.2025	25.12.2025	7930	57.46		15.23		9.09		11.60					
Average			65.54				17.74				10.36		12.69	

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.

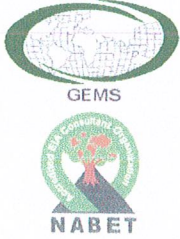
****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

V. Venkatesh
Authorised Signatory
Venkatesh HOSPET
Laboratory In Charge

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 7 Days, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
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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.gemslip.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 : DECEMBER-2025
Location : A4-Galemmanagudi Village
Duration of Monitoring : 1 Hour
Report Issued Date : 07.01.2026
Report Number : GEMS/BMM/NAAQ/2025-26/3496

RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	02.12.2025	7230	0.16	4.0
2	03.12.2025	7270	0.17	
3	09.12.2025	7388	0.13	
4	10.12.2025	7499	0.19	
5	16.12.2025	7651	0.17	
6	17.12.2025	7691	0.21	
7	23.12.2025	7889	0.15	
8	24.12.2025	7930	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
-----------	---

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh
Laboratory Incharge

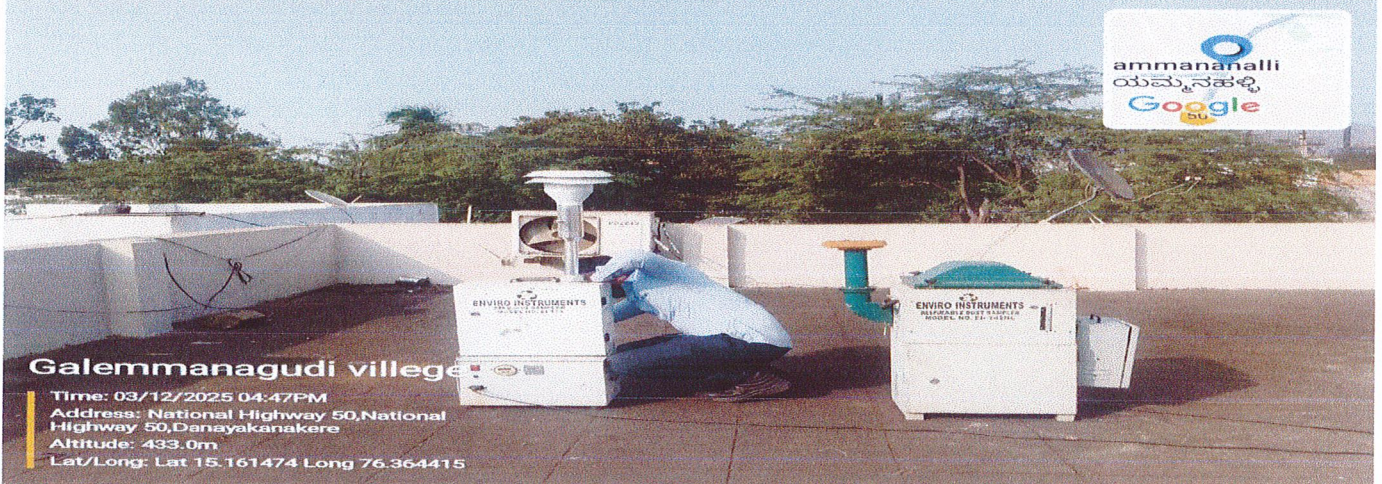
Note:

- The result listed refers only to the tested samples & applicable parameters. Endorsement of products is neither inferred nor implied.
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- 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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- Recognised by Government of Karnataka, Maharashtra, Goa for DGPS survey



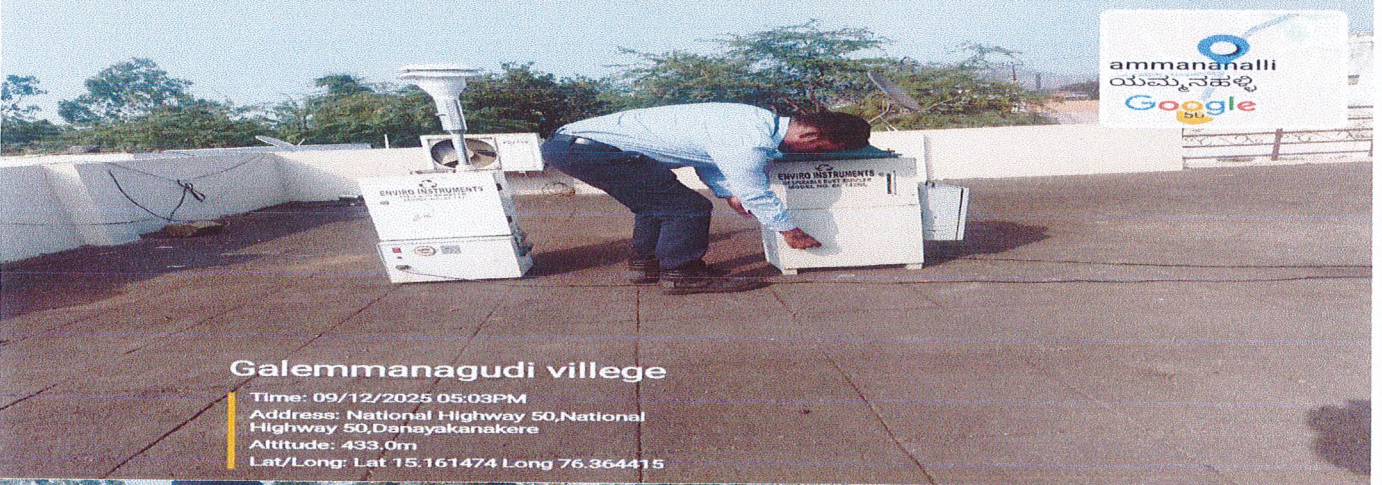
ammananalli
ಯಮ್ನನಹಳ್ಳಿ
Google
ISU

Galemmanagudi villege
Time: 02/12/2025 04:28PM
Address: National Highway 50,National Highway 50,Danayakanakere
Altitude: 433.0m
Lat/Long: Lat 15.161474 Long 76.364415



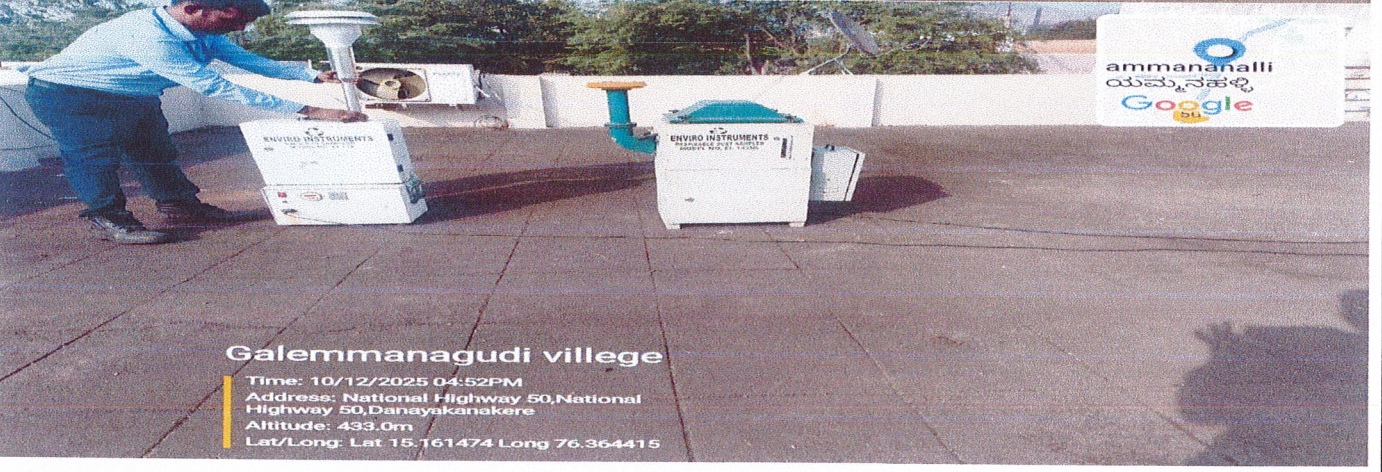
ammananalli
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Google
ISU

Galemmanagudi villege
Time: 03/12/2025 04:47PM
Address: National Highway 50,National Highway 50,Danayakanakere
Altitude: 433.0m
Lat/Long: Lat 15.161474 Long 76.364415



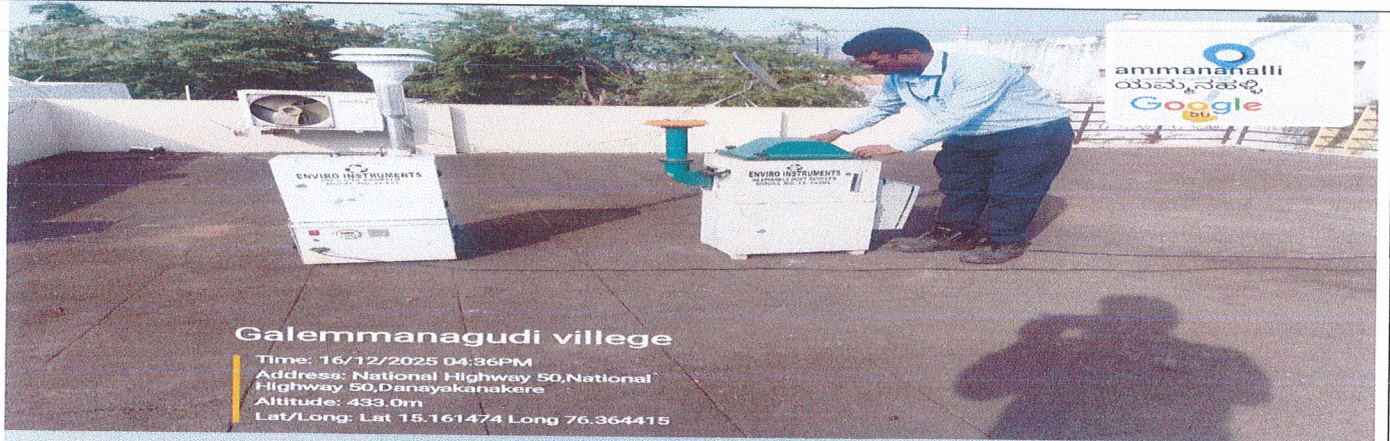
ammananalli
ಯಮ್ನನಹಳ್ಳಿ
Google
ISU

Galemmanagudi villege
Time: 09/12/2025 05:03PM
Address: National Highway 50,National Highway 50,Danayakanakere
Altitude: 433.0m
Lat/Long: Lat 15.161474 Long 76.364415



ammananalli
ಯಮ್ನನಹಳ್ಳಿ
Google
ISU

Galemmanagudi villege
Time: 10/12/2025 04:52PM
Address: National Highway 50,National Highway 50,Danayakanakere
Altitude: 433.0m
Lat/Long: Lat 15.161474 Long 76.364415



Galemmanagudi villege

Time: 16/12/2025 04:36PM
Address: National Highway 50,National Highway 50,Danayakanakere
Altitude: 433.0m
Lat/Long: Lat 15.161474 Long 76.364415



Galemmanagudi villege

Time: 17/12/2025 04:57PM
Address: National Highway 50,National Highway 50,Danayakanakere
Altitude: 433.0m
Lat/Long: Lat 15.161474 Long 76.364415



Galemmanagudi villege

Time: 23/12/2025 05:07PM
Address: 59RG+WGQ,Hospet
Altitude: 391.8m
Lat/Long: Lat 15.192338 Long 76.37631



Galemmanagudi villege

Time: 24/12/2025 04:37PM
Address: 59RG+WGQ,Hospet
Altitude: 391.8m
Lat/Long: Lat 15.192338 Long 76.37631



GEMS



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GLOBAL ENVIRONMENT & MINING SERVICES LLP

(Consulting Engineers, Mine designers, Geologist & Surveyors)

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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	: DECEMBER -2025
Location	: A5-G Nagalapura Village
Duration of Monitoring	: 24 Hour
Report Issue Date	: 07.01.2026
Report Number	: ULR-TC1618025000003497F

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				
02.12.2025	03.12.2025	7231	53.10	100	15.89	60	7.92	80	8.99	80				
03.12.2025	04.12.2025	7271	54.71		11.58		7.77		9.07					
09.12.2025	10.12.2025	7389	58.70		12.12		6.84		9.01					
10.12.2025	11.12.2025	7500	55.05		9.81		8.42		9.60					
16.12.2025	17.12.2025	7652	37.69		12.32		7.83		8.41					
17.12.2025	18.12.2025	7692	58.94		12.06		7.79		8.63					
23.12.2025	24.12.2025	7890	47.96		12.41		8.20		10.97					
24.12.2025	25.12.2025	7931	60.22		12.30		7.68		9.55					
Average			53.3				12.31				7.81		9.28	

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	23.09.2024
5	Calibration Due Date	23.07.2026	22.09.2025

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 S
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.
- Water Samples will be destroyed after 7Days, 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.
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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-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 : **DECEMBER-2025**
 Location : **A5- G Nagalapura Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **07.01.2026**
 Report Number : **GEMS/BMMIL/ NAAQ /2025-26/3497**

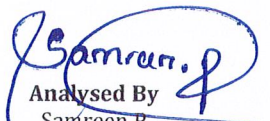
RESULTS

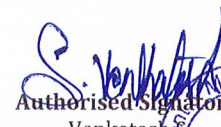

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	02.12.2025	7231	0.05	4.0
2	03.12.2025	7271	0.02	
3	09.12.2025	7389	0.01	
4	10.12.2025	7500	0.01	
5	16.12.2025	7652	0.03	
6	17.12.2025	7692	0.07	
7	23.12.2025	7890	0.04	
8	24.12.2025	7931	0.05	

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

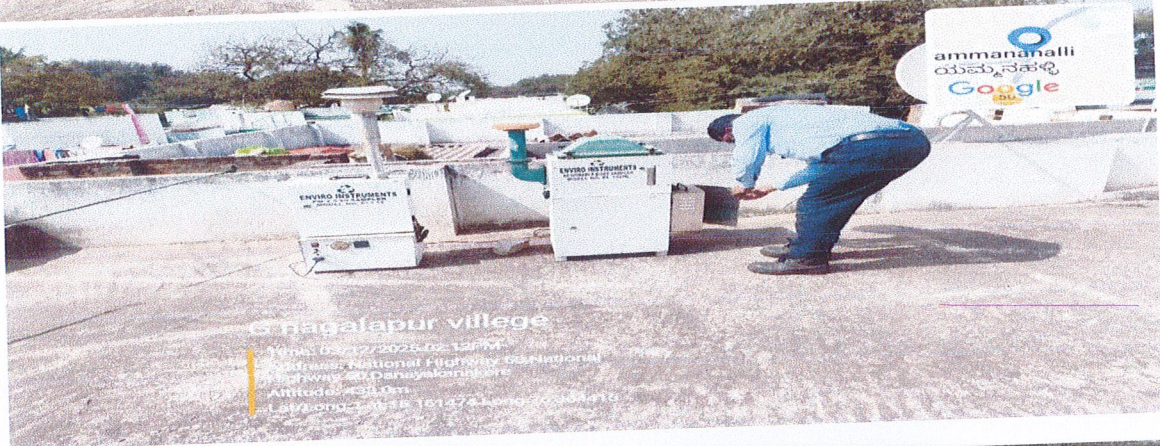

 Authorised Signatory
 Venkatesh
 Laboratory Incharge


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 7 Days, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
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- Recognised by Ministry of Environment, Forest and Climate Change for Laboratory**
- Recognised by Government of Karnataka, Maharashtra, Goa for DGPS survey



G nagalapur villege
Time: 08/12/2025 08:15 PM
Address: National Highway 50, National Highway 50, Danayakanakere
Altitude: 433 feet
Latitude: Lat: 15.16 Longitude: 76.36418



G nagalapur villege
Time: 08/12/2025 08:15 PM
Address: National Highway 50, National Highway 50, Danayakanakere
Altitude: 433 feet
Latitude: Lat: 15.16 Longitude: 76.36418



G nagalapur villege
Time: 08/12/2025 08:15 PM
Address: National Highway 50, National Highway 50, Danayakanakere
Altitude: 433 feet
Latitude: Lat: 15.16 Longitude: 76.36418



G nagalapur villege
Time: 10/12/2025 08:15 PM
Address: National Highway 50, National Highway 50, Danayakanakere
Altitude: 433 feet
Latitude: Lat: 15.16 Longitude: 76.36418



G nagalapur villege

Time: 14/12/2025 01:56PM
Address: Nagalapur Village, 50, Nagalapur
Altitude: 499.0m
Lat/Long: Lat: 15.119728 Long: 76.392528



nagllapura village

Time: 17-12-2025 02:13PM
Altitude: 1511.0m
Lat/Long: Lat 15.113695 Long
76.392528



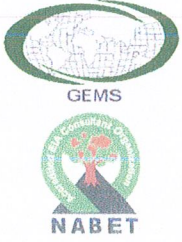
naglapura village

Time: 23/12/2025
Address: 497V+C23, Nagalapur
Lat/Long: Lat 15.11361 Long
76.392966



naglapura village

Time: 24-12-2025 02:02PM
Address: 497V+C23, Nagalapur
Lat/Long: Lat 15.11361 Long
76.392966



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



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 : **DECEMBER -2025**
 Location : **A6-Gunda Tanda Village**
 Duration of Monitoring : 24 Hour
 Report Issue Date : **07.01.2026**
 Report Number : **ULR-TC1618025000003498F**

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
02.12.2025	03.12.2025	7232	62.09	100	14.43	60	7.06	80	7.69	80
03.12.2025	04.12.2025	7272	55.46		12.41		7.14		7.70	
09.12.2025	10.12.2025	7390	61.19		16.21		7.92		9.36	
10.12.2025	11.12.2025	7501	56.35		19.59		6.87		7.71	
16.12.2025	17.12.2025	7653	59.23		13.35		8.07		9.72	
17.12.2025	18.12.2025	7693	45.74		12.37		7.83		10.00	
23.12.2025	24.12.2025	7891	59.11		9.10		8.03		8.94	
24.12.2025	25.12.2025	7932	58.92		13.46		6.64		8.26	
Average			57.26		13.87		7.45		8.67	

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****

Samreen P
 Analysed By
 Samreen P
 Chemist

S. Venkatesh
 Authorised Signatory
 Venkatesh HOSPET
 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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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 : **DECEMBER-2025**
 Location : **A6-Gunda Tanda Village**
 Duration of Monitoring : 1 Hour
 Report Issued Date : **07.01.2026**
 Report Number : **GEMS/BMMIL/ NAAQ /2025-26/3498**

RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m ³]	Standard
1	02.12.2025	7232	0.02	4.0
2	03.12.2025	7272	<0.01	
3	09.12.2025	7390	0.03	
4	10.12.2025	7501	0.02	
5	16.12.2025	7653	0.02	
6	17.12.2025	7693	0.03	
7	23.12.2025	7891	0.02	
8	24.12.2025	7932	<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

Note:

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Gunda thanda

Time: 03/12/2025 11:46AM
Address: 592Q+HJW,Nagalapura
Altitude: 423.1m
Lat/Long: Lat 15.151333 Long 76.389004



Gunda thanda

Time: 03/12/2025 12:37PM
Address: 592Q+HJW,Nagalapura
Altitude: 423.1m
Lat/Long: Lat 15.151333 Long 76.389004



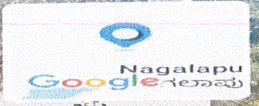
Gunda thanda

Time: 04/12/2025 12:18PM
Address: 592Q+HJW,Nagalapura
Altitude: 423.1m
Lat/Long: Lat 15.151333 Long 76.389004



Gunda thanda

Time: 10/12/2025 11:42AM
Address: 592Q+HJW,Nagalapura
Altitude: 423.1m
Lat/Long: Lat 15.151333 Long 76.389004



ENVIRO INSTRUMENTS
RESPIRABLE DUST SAMPLER
MODEL NO. EI-142PHL

Gunda thanda

Time: 16/12/2025 11:37AM
Address: 5920+HJW Nagalapura
Altitude: 423.1m
Lat/Long: Lat 15.151333 Long 76.389004



Gunda thanda

Time: 17/12/2025 11:56AM
Address: 5920+HJW Nagalapura
Altitude: 423.1m
Lat/Long: Lat 15.151333 Long 76.389004



Gunda thanda

Time: 23/12/2025 12:37PM
Address: 5920+HJW Nagalapura
Altitude: 423.1m
Lat/Long: Lat 15.151333 Long 76.389004



Gunda thanda

Time: 24/12/2025 12:04PM
Address: 5920+HJW Nagalapura
Altitude: 423.1m
Lat/Long: Lat 15.151333 Long 76.389004



GEMS



NABET

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e-mail : gems_hpt@yahoo.com

Website : www.gemslip.in

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	:	DECEMBER-2025(1st Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4)1999 RA 2014
9	Report Issued Date	:	07.01.2026
10	Report Number	:	GEMS/BMMIL/FM/2025-26/3343

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	7419	06.12.2025	07.12.2025	963.59	2000
2.	Near Iron Ore Bottom Hopper	7418	06.12.2025	07.12.2025	293.08	2000
3.	Iron Ore Screen	7417	06.12.2025	07.12.2025	520.55	2000
II. Pellet Plant-I						
4.	Near Pellet Plant	7415	06.12.2025	07.12.2025	1587.22	2000
5.	Annual Cooler Pellet Discharge bin	7416	06.12.2025	07.12.2025	748.91	2000
6.	Pellet Stock Yard	7444	08.12.2025	08.12.2025	1642.06	2000
III. Sponge Iron Division-1 (kiln 1 & 2)						
7.	Control Room SID-1	7492	09.12.2025	10.12.2025	881.16	2000
8.	Near Product bin	7493	09.12.2025	09.12.2025	448.01	2000
9.	Coal Feeding Area	7494	09.12.2025	10.12.2025	407.59	2000
IV. Induction Furnace & Rolling Mill – 1						
10.	IF Office	7445	08.12.2025	09.12.2025	1257.04	2000
11.	TMT Stock Yard	7446	08.12.2025	09.12.2025	758.04	2000
12.	RML Gasifier	7447	08.12.2025	09.12.2025	336.81	2000
V. Power Plant 25 MW-1						
13.	25 MW ESP	7495	09.12.2025	10.12.2025	207.82	2000
14.	25 MW ACC	7531	10.12.2025	11.12.2025	339.42	2000
VI. Site Services						
15.	PGP- coal handling system	7448	08.12.2025	09.12.2025	353.40	2000
16.	IF Slag Crusher	7496	09.12.2025	10.12.2025	1189.72	2000
17.	Main Gate	7532	10.12.2025	11.12.2025	1394.90	2000
18.	Fly ash Dump	7344	05.12.2025	06.12.2025	601.34	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

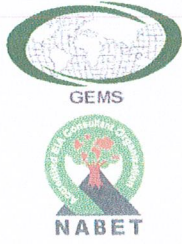
****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

Venkatesh S
Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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Website : www.gemslp.in

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	:	DECEMBER-2025(2nd Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4)1999 RA 2014
9	Report Issued Date	:	07.01.2026
10	Report Number	:	GEMS/BMMIL/FM/2025-26/3411

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	7829	22.12.2025	23.12.2025	1474.81	2000
2.	Near Iron Ore Bottom Hopper	7828	22.12.2025	23.12.2025	1006.29	2000
3.	Iron Ore Screen	7827	22.12.2025	23.12.2025	1452.5	2000
II. Pellet Plant-I						
4.	Near Pellet Plant	7825	22.12.2025	23.12.2025	580.30	2000
5.	Annual Cooler Pellet Discharge bin	7826	22.12.2025	23.12.2025	407.68	2000
6.	Pellet Stock Yard	7874	23.12.2025	24.12.2025	1956.2	2000
III. Sponge Iron Division-1(kiln 1 & 2)						
7.	Control Room SID-I	7919	24.12.2025	25.12.2025	953.37	2000
8.	Near Product bin	7920	24.12.2025	25.12.2025	1968.56	2000
9.	Coal Feeding Area	7921	24.12.2025	25.12.2025	1946.32	2000
IV. Induction Furnace & Rolling Mill						
10.	IF Office	7875	23.12.2025	24.12.2025	623.77	2000
11.	TMT Stock Yard	7876	23.12.2025	24.12.2025	387.75	2000
12.	RML Gasifier	7877	23.12.2025	24.12.2025	663.68	2000
V. Power Plant 25 MW-1						
13.	25 MW ESP	7922	24.12.2025	25.12.2025	908.99	2000
14.	25 MW ACC	7969	25.12.2025	26.12.2025	1945.3	2000
VI. Site Services						
15.	PGP- Coal handling system	7878	23.12.2025	24.12.2025	1072.56	2000
16.	IF Slag Crusher	7923	24.12.2025	25.12.2025	553.94	2000
17.	Main Gate	7970	25.12.2025	26.12.2025	779.61	2000
18.	Fly ash Dump	7787	20.12.2025	21.12.2025	598.06	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

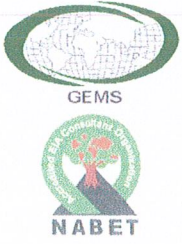
****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

Venkaresh S
Authorised Signatory
Venkaresh 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, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
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e-mail : gems_hpt@yahoo.com

Website : www.gemslip.in

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	:	DECEMBER-2025(1st Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	07.01.2026
10	Report Number	:	GEMS/BMMIL/FM/2025-26/3351

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	7533	10.12.2025	11.12.2025	1561.95	2000
2.	Stock House	7534	10.12.2025	11.12.2025	1177.47	2000
3.	Gas Network Area	7535	10.12.2025	11.12.2025	185.58	2000
4.	Blower Area	7564	11.12.2025	12.12.2025	273.81	2000
5.	Gas Cleaning plant (GCP)	7565	11.12.2025	12.12.2025	842.43	2000
6.	Stove Area	7566	11.12.2025	12.12.2025	343.03	2000
7.	Control ROOM (CR)	7567	11.12.2025	12.12.2025	1746.32	2000
8.	Pig Costing Machine (PCM)	7584	12.12.2025	13.12.2025	873.79	2000
9.	Slag Granulation Plant (SGP)	7585	12.12.2025	13.12.2025	404.16	2000
10.	Cost House Area	7568	11.12.2025	12.12.2025	1498.30	2000
SMS Area						
1.	Stock House/Vibro Feeders	7587	12.12.2025	13.12.2025	1654.23	2000
2.	Ladle Tapping	7587	12.12.2025	13.12.2025	735.96	2000
3.	Slag pouring Area	7588	12.12.2025	13.12.2025	1434.78	2000
MBM						
1.	Near Re-Heating Furnace	7603	13.12.2025	14.12.2025	442.59	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
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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GLOBAL ENVIRONMENT & MINING SERVICES LLP

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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 : **DECEMBER-2025(1stFort Night)**
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Method adopted : IS 5182 (Part 4): 1999 RA 2014
- 9 Report Issued Date : **07.01.2026**
- 10 Report Number : **GEMS/BMMIL/FM/2025-26/3183**

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)	7174	01.12.2025	02.12.2025	323.37	2000
2.	Near Cone Crusher	7176	01.12.2025	02.12.2025	340.04	2000
3.	Concentrate Thickner	7175	01.12.2025	02.12.2025	364.03	2000
II. Pellet Plant						
4.	PR-6	7177	01.12.2025	02.12.2025	1067.77	2000
5.	Annual Cooler Pellet Discharge bin	7178	01.12.2025	02.12.2025	821.68	2000
6.	Additive Grinding Building	7255	03.12.2025	04.12.2025	281.25	2000
III. Sponge Iron Division -2 (Kiln 3 & 4)						
7.	Control room	7215	02.12.2025	03.12.2025	310.47	2000
8.	Near Weigh bridge (dispatch)	7216	02.12.2025	03.12.2025	1026.27	2000
9.	Pellet Storage bin	7217	02.12.2025	03.12.2025	1342.95	2000
10.	Transfer House area	7218	02.12.2025	03.12.2025	998.86	2000
11.	Production Separation Bin-PSB	7219	02.12.2025	03.12.2025	454.66	2000
IV. Sponge Iron Division -3 (Kiln 5 & 6)						
12.	Near Control room	7256	03.12.2025	04.12.2025	1845.65	2000
13.	Near Coal Crusher	7257	03.12.2025	04.12.2025	1326.10	2000
14.	Near Product bin	7258	03.12.2025	04.12.2025	1223.91	2000
15.	Coal Dryer	7314	04.12.2025	05.12.2025	1039.47	2000
V. Wagon Tipper/RMHS						
16.	Near Tipping point	7259	03.12.2025	04.12.2025	1118.63	2000
17.	Monsoon Shed (CPU)	7315	04.12.2025	05.12.2025	1268.94	2000
18.	MCC Room (2 nd Gate)	7318	04.12.2025	05.12.2025	494.80	2000
Power plant -70M						
19.	70MW-DM Plant (Near R.O. Plant)	7317	04.12.2025	05.12.2025	308.55	2000
20.	2 nd gateweigh bridge Near Coal Screen	7340	05.12.2025	06.12.2025	467.39	2000
21.	CFBC boiler	7316	04.12.2025	05.12.2025	437.39	2000
VII. 2X70MW Power Plant						
22.	Near Boiler	7343	05.12.2025	06.12.2025	1745.65	2000
23.	Near Coal storage Shed	7341	05.12.2025	06.12.2025	1200.49	2000
24.	Dolochar Processing Area	7342	05.12.2025	06.12.2025	1899.25	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

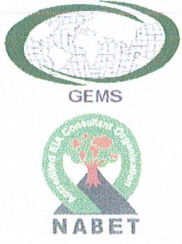
End of the Report

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S.
Laboratory Incharge

Note:

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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	:	DECEMBER-2025(2ND Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	07.01.2026
10	Report Number	:	GEMS/BMMIL/FM/2025-26/3383

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)	7637	16.12.2025	17.12.2025	252.25	2000
2.	Near Cone Crusher	7639	16.12.2025	17.12.2025	404.85	2000
3.	Concentrate Thickner	7638	16.12.2025	17.12.2025	641.02	2000
II. Pellet Plant-I						
4.	PR-6	7640	16.12.2025	17.12.2025	1108.23	2000
5.	Annual Cooler Pellet Discharge bin	7641	16.12.2025	17.12.2025	507.23	2000
6.	Additive Grinding Building	7729	18.12.2025	19.12.2025	524.85	2000
III. Sponge Iron Division -2 (Kiln 3&4)						
7.	Control room	7677	17.12.2025	18.12.2025	1266.37	2000
8.	Near Weigh bridge (dispatch)	7678	17.12.2025	18.12.2025	600.79	2000
9.	Pellet Storage bin	7681	17.12.2025	18.12.2025	1923.50	2000
10.	Transfer House area	7679	17.12.2025	18.12.2025	1582.68	2000
11.	Production Separation Bin-PSB	7680	17.12.2025	18.12.2025	1293.43	2000
IV. Sponge Iron Division -2 (Kiln 5&6)						
12.	Near Control room	7730	18.12.2025	19.12.2025	1888.56	2000
13.	Near Coal Crusher	7732	18.12.2025	19.12.2025	1785.45	2000
14.	Near Product bin	7731	18.12.2025	19.12.2025	1854.26	2000
15.	Coal Drier		19.12.2025	20.12.2025	736.76	2000
V. Wagon Tipper/RMHS						
16.	Near Tipping point	7733	18.12.2025	19.12.2025	147.14	2000
17.	Monsoon Shed (CPU)	7747	19.12.2025	20.12.2025	1416.40	2000
18.	MCC Room (2 nd Gate)	7748	19.12.2025	20.12.2025	1895.65	2000
VI. Power Plant-70 MW						
19.	70MW-DM Plant (Near R.O. Plant)	7749	19.12.2025	20.12.2025	1869.98	2000
20.	2 nd gate weigh bridge Near Coal Screen	7783	20.12.2025	21.12.2025	1845.23	2000
21.	CFBC boiler	7750	19.12.2025	20.12.2025	1334.30	2000
VII. 2X70MW Power Plant						
22.	Near Boiler	7786	20.12.2025	20.12.2025	333.40	2000
23.	Near Coal storage Shed	7787	20.12.2025	20.12.2025	507.23	2000
24.	CPP Dolochar Process Area	7785	20.12.2025	20.12.2025	156.71	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

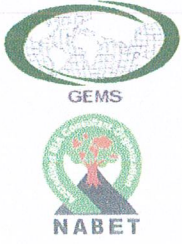
Analysed By
Samreen P
Chemist

Authorised Signatory
Venkaiah S
Laboratory Incharge



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Website : www.gemslp.in

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 : **DECEMBER-2025(2nd Fort Night)**
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Method adopted : IS 5182 (Part 4): 1999 RA 2014
- 9 Report Issued Date : **07.01.2026**
- 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	7973	25.12.2025	26.12.2025	1854.26	2000
2.	Stock House	7971	25.12.2025	26.12.2025	1321.39	2000
3.	Gas Network Area	7972	25.12.2025	26.12.2025	565.84	2000
4.	Blower Area	7983	26.12.2025	27.12.2025	492.61	2000
5.	Gas Cleaning plant (GCP)	7984	26.12.2025	27.12.2025	836.28	2000
6.	Stove Area	7985	26.12.2025	27.12.2025	1654.23	2000
7.	Control ROOM (CR)	7986	26.12.2025	27.12.2025	451.13	2000
8.	Pig Costing Machine (PCM)	8005	27.12.2025	28.12.2025	635.31	2000
9.	Slag Granulation Plant (SGP)	8006	27.12.2025	28.12.2025	768.85	2000
10.	Cost House Area	7986	26.12.2025	26.12.2025	982.47	2000
SMS Area						
1.	Stock House/Vibro Feeders	8007	27.12.2025	28.12.2025	400.65	2000
2.	Ladle Tapping	8008	27.12.2025	28.12.2025	713.09	2000
3.	Slag pouring Area	8009	27.12.2025	28.12.2025	1800.55	2000
MBM						
1.	Near Re-Heating Furnace	8033	29.12.2025	30.12.2025	477.81	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
Global Environment & Mining Services LLP
HOSAPETE

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Website : www.gemslp.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 | : | DECEMBER-2025 |
| 11 | Date of Sample Received | : | 01.12.2025&16.12.2025 |
| 12 | Date of Sample Analysis | : | 02.12.2025&17.12.2025 |
| 13 | Date of Sample Analysis completion | : | 03.12.2025&18.12.2025 |
| 14 | Report Issued Date | : | 07.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003473F |

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	
				01.12.2025	16.12.2025	
	Date of Monitoring					
	Sample Code			7179	7682	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	28	28	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	61	63	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.24	5.30	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	286667	290389	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	255399	257344	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	28.38	31.82	50
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm ³	116	106	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	06	08	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.006	0.007	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
Laboratory Incharge
Global Environment & Mining Services
HOSAPETE

Note:

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PELLET PLANT-1 ESP



Pellet Plant -1 ESP

Time: 16-12-2025 11:41AM

Altitude: 1470.4ft

Lat/Long: Lat 15.169478 Long
76.38168



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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 | : | DECEMBER-2025 |
| 11 | Date of Sample Received | : | 04.12.2025&22.12.2025 |
| 12 | Date of Sample Analysis | : | 05.12.2025&23.12.2025 |
| 13 | Date of Sample Analysis completion | : | 06.12.2025&24.12.2025 |
| 14 | Report Issued Date | : | 07.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003541F |

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	
				04.12.2025	22.12.2025	
	Date of Monitoring			7322	7882	
	Sample Code					
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	27	29	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	166	162	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	6.09	5.70	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)	m ³ /hr	68910	23224	-
5	Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)	Nm ³ /hr	46765	15824	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	14.94	24.65	50
7	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm ³	314	304	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	41	40	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.117	0.113	1

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

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

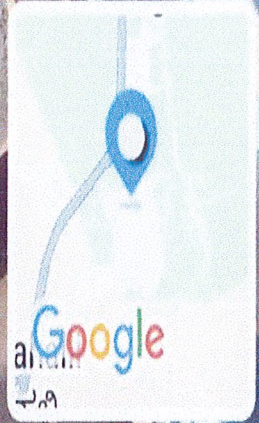
Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh
Laboratory Incharge

Note:

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SID-1-2*100 SID KILN 1&2 ESP MAIN



Bmm Sid-1 - 2*100
sid kiln 1&2 esp main
chimaeny

Time: 22/12/2025 10:42AM

Address: 59FH+FFW,Danapuram

Altitude: 444.1m

Lat/Long: Lat 15.173697 Long 76.378673



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Website : www.gemslp.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 | : | DECEMBER-2025(1st Fort Night) |
| 10 | Date of Sample Received | : | - |
| 11 | Date of Sample Analysis | : | - |
| 12 | Date of Sample Analysis completion | : | - |
| 13 | Report Issued Date | : | 07.01.2026 |
| 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/N m ³
Induction Furnace 1 & 2											
1	Induction Furnace 1	-		Electric Power	-	-	-	30	1.2	-	150
2	Induction Furnace 2	-			-	-	-	30	1.3	-	150

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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 S
 Laboratory Incharge
 GLOBAL ENVIRONMENT & MINING SERVICES
 HOSAPETE

Note:

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Website : www.gemslp.in



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 : **DECEMBER-2025**
- 11 Date of Sample Received : -
- 12 Date of Sample Analysis : -
- 13 Date of Sample Analysis completion : -
- 14 Report Issued Date : **07.01.2026**
- 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	
				-	-	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	^o C	Shutdown	Shutdown	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	^o 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

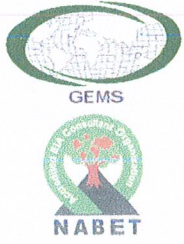
Note: NS- Not Specified. RA: Reaffirmed, **INFERENCE:**

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

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

Note:

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Website : www.gemslip.in



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	:	DECEMBER-2025
11	Date of Sample Received	:	-
12	Date of Sample Analysis	:	-
13	Date of Sample Analysis completion	:	-
14	Report Issued Date	:	07.01.2026
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	
				-	-	
	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	%			NS

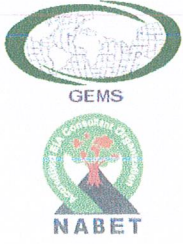
Note: NS- Not Specified. RA: Reaffirmed,

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

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

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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 | : | DECEMBER -2025(1st Fort Night) |
| 10 | Date of Sample Received | : | 10.12.2025 |
| 11 | Date of Sample Analysis | : | 11.12.2025 |
| 12 | Date of Sample Analysis completion | : | 11.12.2025 |
| 13 | Report Issued Date | : | 07.01.2026 |
| 14 | Report Number | : | ULR-TC1618025000003618F |

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	10.12.2025	7493	-	28	32	4.39	30	0.4	14.46	50
2	Iron Ore Screen bin	10.12.2025	7494	-	29	33	4.54	30	0.4	12.38	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	1986	1933	-
2	Iron Ore Screen bin	2056	1994	-

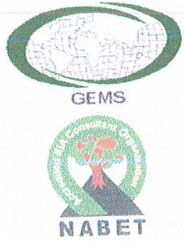
Parameter	Protocol
Particulate Matter (mg/Nm ³)	IS: 11255 (Part 1) - 1985 (reaffirmed 2014)
Gas flow rate at Stack Condition	IS-11255(Part 03) (RA 2014)
Gas flow rate at NTP	IS-11255(Part 03) (RA 2014)

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

V. Venkatesh
 Authorised Signatory
 Venkatesh
 Laboratory Incharge

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 Website : www.gemsllp.in



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 : **DECEMBER -2025(1st Fort Night)**
- 10 Date of Sample Received : 10.12.2025&12.12.2025
- 11 Date of Sample Analysis : 10.12.2025&12.12.2025
- 12 Date of Sample Analysis completion : 11.12.2025&13.12.2025
- 13 Report Issued Date : **07.01.2026**
- 14 Report Number : **ULR-TC1618025000003620F**

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)	10.12.2025	7435	-	28	37	4.69	35	1.5	30.91	50
4	Main Crusher	12.12.2025	7565	-	28	33	4.47	25	0.5	12.90	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)	29181	28113	-
4	Main Crusher	3225	3160	-

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 HOSPET
 Laboratory Incharge

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e-mail : gems_hpt@yahoo.com

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**
 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 : **DECEMBER -2025(1st Fort Night)**
 10 Date of Sample Received : 01.12.2025
 11 Date of Sample Analysis : 02.12.2025
 12 Date of Sample Analysis completion : 02.12.2025
 13 Report Issued Date : **07.01.2026**
 14 Report Number : **ULR-TC161802500000F**

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	01.12.2025	7180	-	28	32	4.69	6.5	0.50	16.29	50
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	01.12.2025	7181	-	29	33	5.07	3.0	0.30	19.86	50
7	Bentonite Powder bin top bag filter	01.12.2025	7182	-	30	34	4.68	3.0	0.30	19.08	50
8	H-4 Conveyor discharge bag filter	Shutdown	-	-	-	-	-	7.0	0.50	-	50
9	P-1 Bag Filter	02.12.2025	7223	-	28	37	4.98	7.0	0.50	29.29	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	3313	3230	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	1290	1251	-
7	Bentonite Powder bin top bag filter	1191	1150	-
8	H-4 Conveyor discharge bag filter	-	-	-
9	P-1 Bag Filter	3519	3379	-

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)

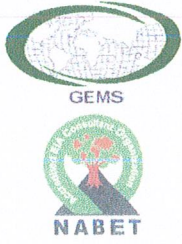
****End of the Report****

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 | : | DECEMBER -2025(2nd Fort Night) |
| 10 | Date of Sample Received | : | - |
| 11 | Date of Sample Analysis | : | - |
| 12 | Date of Sample Analysis completion | : | - |
| 13 | Report Issued Date | : | 07.01.2026 |
| 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 S
 Laboratory Incharge

Note:

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GLOBAL ENVIRONMENT & MINING SERVICES LLP

(Consulting Engineers, Mine designers, Geologist & Surveyors)

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HOSAPETE - 583201, Dist., Vijayanagara (Karnataka)

Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslip.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 : **DECEMBER -2025(2nd Fort Night)**
- 10 Date of Sample Received : 27.12.2025
- 11 Date of Sample Analysis : 29.12.2025
- 12 Date of Sample Analysis completion : 29.12.2025
- 13 Report Issued Date : **07.01.2026**
- 14 Report Number : **ULR-TC1618025000003689F**

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	27.12.2025	7828	---	27	32	4.35	30	0.40	15.24	50
2	Iron Ore Screen bin	27.12.2025	7827	---	28	33	4.69	30	0.40	12.79	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	1970	1910	-
2	Iron Ore Screen bin	2124	2051	-

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 P
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, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
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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 | : | DECEMBER -2025(2nd Fort Night) |
| 10 | Date of Sample Received | : | 17.12.2025&26.12.2025 |
| 11 | Date of Sample Analysis | : | 18.12.2025&27.12.2025 |
| 12 | Date of Sample Analysis completion | : | 18.12.2025&27.12.2025 |
| 13 | Report Issued Date | : | 07.01.2026 |
| 14 | Report Number | : | ULR-TC1618025000003675F |

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)	17.12.2025	7676	-	29	35	4.90	30	1.50	33.46	50
4	Main Crusher	26.12.2025	7789	-	27	32	4.46	25	0.50	10.61	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)	31203	30058	-
4	Main Crusher	3152	3074	-

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 S
Laboratory Incharge

Note:

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GEMS



NABET

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e-mail : gems_hpt@yahoo.com

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	:	DECEMBER -2025(2nd Fort Night)
10	Date of Sample Received	:	16.12.2025
11	Date of Sample Analysis	:	17.12.2025
12	Date of Sample Analysis completion	:	17.12.2025
13	Report Issued Date	:	07.01.2026
14	Report Number	:	ULR-TC161802500003662F

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	16.12.2025	7683	---	28	31	4.52	6.5	0.50	17.11	50
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	16.12.2025	7684	---	29	32	4.79	3.0	0.30	22.04	50
7	Bentonite Powder bin top bag filter	16.12.2025	7685	---	30	36	4.75	3.0	0.30	16.90	50
8	H-4 Conveyor discharge bag filter	-	-	---	-	-	-	7.0	0.50	-	50
9	P-1 Bag Filter	17.12.2025	7754	---	28	38	4.63	7.0	0.50	26.15	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	3197	3129	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	1218	1185	-
7	Bentonite Powder bin top bag filter	1209	1160	-
8	H-4 Conveyor discharge bag filter	-	-	-
9	P-1 Bag Filter	3274	3132	-

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)

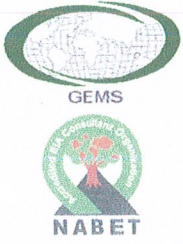
****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

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

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Website : www.gemslp.in



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 | : | DECEMBER -2025(2nd Fort Night) |
| 10 | Date of Sample Received | : | 29.12.2025 |
| 11 | Date of Sample Analysis | : | 30.12.2025 |
| 12 | Date of Sample Analysis completion | : | 30.12.2025 |
| 13 | Report Issued Date | : | 07.01.2026 |
| 14 | Report Number | : | ULR-TC1618025000003730F |

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	29.12.2025	8050	---	27	33	4.66	30	1.20	22.49	50
11	Cooler-2 Discharge	29.12.2025	8051	---	28	32	4.85	30	1.20	22.56	50
12	Intermediate Bin & Blending	29.12.2025	8052	---	29	34	4.69	30	1.20	20.01	50
13	Product House	29.12.2025	8053	---	30	35	4.79	30	1.20	24.80	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	18993	18467	-
11	Cooler-2 Discharge	19759	19235	-
12	Intermediate Bin & Blending	19111	18456	-
13	Product House	19487	18748	-

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)

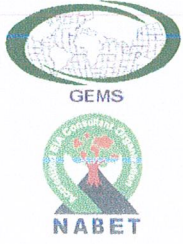
****End of the Report****

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

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Website : www.gemslip.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 | : | DECEMBER -2025 |
| 11 | Date of Sample Received | : | 17.12.2025 |
| 12 | Date of Sample Analysis | : | 18.12.2025 |
| 13 | Date Sample Analysis Completion | : | 18.12.2025 |
| 14 | Report Issued Date | : | 07.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003662F |

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	
				-	17.12.2025	
	Date of Monitoring			-	17.12.2025	
	Sample Code			-	7628	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	-	28	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	-	64	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	-	5.26	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	-	287838	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	-	254394	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	-	28.68	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	-	141	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005(RA 2017)	mg/Nm ³	-	22	NS
9	Carbon Monoxide	GEMS/SOP/69	%	-	0.011	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
Authorized Signatory
Venkatesh S HOSPET
Laboratory Incharge

Note:

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PELLET PLANT-2 ESP



Bmm Pellet plant -2 esp main chimaeny

Time: 17/12/2025 11:13AM

Address: 59CJ+2GPDanapuram

Altitude: 435.5m

Lat/Long: Lat 15.170116 Long 76.381329



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Website : www.gemslip.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 | : | DECEMBER -2025 |
| 11 | Date of Sample Received | : | 02.12.2025&18.12.2025 |
| 12 | Date of Sample Analysis | : | 03.12.2025&19.12.2025 |
| 13 | Date Sample Analysis Completion | : | 04.12.2025&20.12.2025 |
| 14 | Report Issued Date | : | 07.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003494F |

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
				02.12.2025	18.12.2025	
				03.12.2025	18.12.2025	
	Date of Monitoring			7220	7751	
	Sample Code			28	26	-
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	127	125	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	5.96	5.74	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	151664	146202	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	114960	109353	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	30.80	30.31	50
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	343	298	NS
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	30	25	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005(RA 2017)	mg/Nm ³	0.079	0.036	1%
9	Carbon Monoxide	GEMS/SOP/69	%			

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

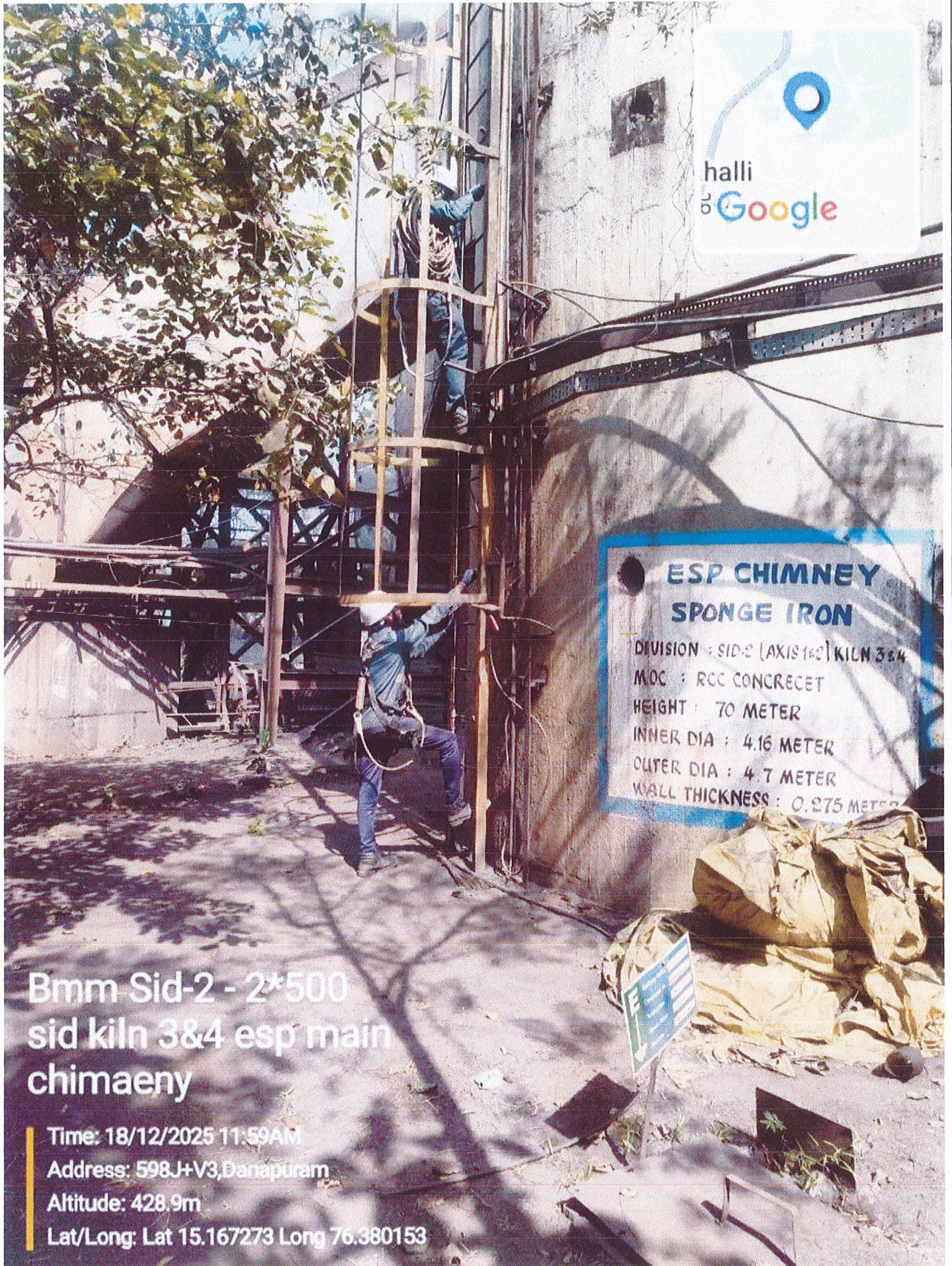
Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh
Laboratory In-charge
Global Environment & Mining Services
HOSAPETE

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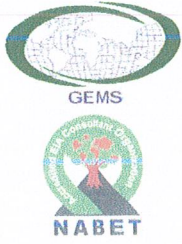
SID-2-2*500 SID KILN 3&4 ESP MAIN



**ESP CHIMNEY
SPONGE IRON**
DIVISION : SIDE 2 (AXIS 1&2) KILN 3&4
MOC : RCC CONCRETE
HEIGHT : 70 METER
INNER DIA : 4.16 METER
OUTER DIA : 4.7 METER
WALL THICKNESS : 0.275 METER

**Bmm Sid-2 - 2*500
sid kiln 3&4 esp main
chimaeny**

**Time: 18/12/2025 11:59AM
Address: 598J+V3,Danapuram
Altitude: 428.9m
Lat/Long: Lat 15.167273 Long 76.380153**



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 Website : www.gemslip.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 | : | DECEMBER -2025 |
| 11 | Date of Sample Received | : | 03.12.2025&19.12.2025 |
| 12 | Date of Sample Analysis | : | 04.12.2025&20.12.2025 |
| 13 | Date Sample Analysis Completion | : | 05.12.2025&22.12.2025 |
| 14 | Report Issued Date | : | 07.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003517F |

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	
				03.12.2025	19.12.2025	
	Date of Monitoring					
	Sample Code			7263	7790	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	27	25	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	130	131	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.80	6.40	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	147529	162984	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	108919	120142	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	33.76	32.34	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	526	515	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	37	32	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.109	0.110	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

Note:

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SID-3-2*500 SIDKILN 5&6 ESP MAIN



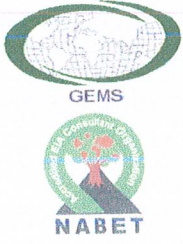
Bmm Sid-3 - 2*500
sid kiln 5&6 esp main
chimaeny

Time: 19/12/2025 11:28AM

Address: 59FH+FFW,Danapuram

Altitude: 444.1m

Lat/Long: Lat 15.173697 Long 76.378673



GLOBAL ENVIRONMENT & MINING SERVICES LLP

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 e-mail : gems_hpt@yahoo.com
 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 | : | DECEMBER -2025 |
| 11 | Date of Sample Received | : | - |
| 12 | Date of Sample Analysis | : | - |
| 13 | Date Sample Analysis Completion | : | - |
| 14 | Report Issued Date | : | 07.01.2026 |
| 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	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)1985(RA 2014)	m ³ /hr			-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(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): 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%

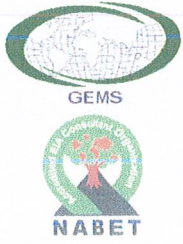
Note: NS- Not Specified. RA: Reaffirmed. **INFERENCE:**

End of the Report

Authorized Signatory
 Venkatesh S
 Laboratory Incharge

Note:

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e-mail : gems_hpt@yahoo.com

Website : www.gemslip.in



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 | : | DECEMBER -2025 |
| 11 | Date of Sample Received | : | 05.12.2025&20.12.2025 |
| 12 | Date of Sample Analysis | : | 06.12.2025&22.12.2025 |
| 13 | Date Sample Analysis Completion | : | 08.12.2025&23.12.2025 |
| 14 | Report Issued Date | : | 07.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003554F |

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	
				05.12.2025	20.12.2025	
	Date of Monitoring					
	Sample Code			7347	7834	
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	28	28	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	115	118	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	6.01	6.43	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	1087750	111886	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	834447	886326	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	26.03	28.51	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	35	29	600
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	223	209	300
9	Carbon Monoxide	GEMS/SOP/69	%	0.020	0.029	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

Venkatesh
Authorised Signatory
Venkatesh
Laboratory Incharge

Note:

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Danapuram

ದನಪುರಂ

Google

2x70 power plant

Time: 20-12-2025 11:15AM

Altitude: 1225.3ft

Lat/Long: Lat 15.180217 Long
76.377197



GLOBAL ENVIRONMENT & MINING SERVICES LLP

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e-mail : gems_hpt@yahoo.com

Website : www.gemslip.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	:	DECEMBER -2025
11	Date of Sample Received	:	06.12.2025&23.12.2025
12	Date of Sample Analysis	:	08.12.2025&24.12.2025
13	Date Sample Analysis Completion	:	09.12.2025&25.12.2025
14	Report Issued Date	:	07.01.2026
15	Report Number	:	ULR-TC1618025000003551F

Stack Details

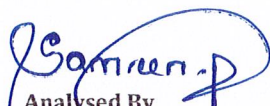
1	Fuel Used	-
2	Stack Height (mtr)	86
3	Stack Diameter (mtr)	2.4


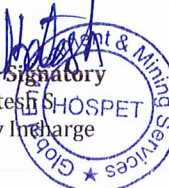
Emission Details

Sl. No.	Parameters	Method	Unit	Result		Permissible Limit
				1 st Fort Night	2 nd Fort Night	
				06.12.2025	23.12.2025	
	Date of Monitoring			7340	7924	
	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	64	67	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.25	5.50	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	85456	89516	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	75447	78386	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	19.61	20.48	50

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

End of the Report

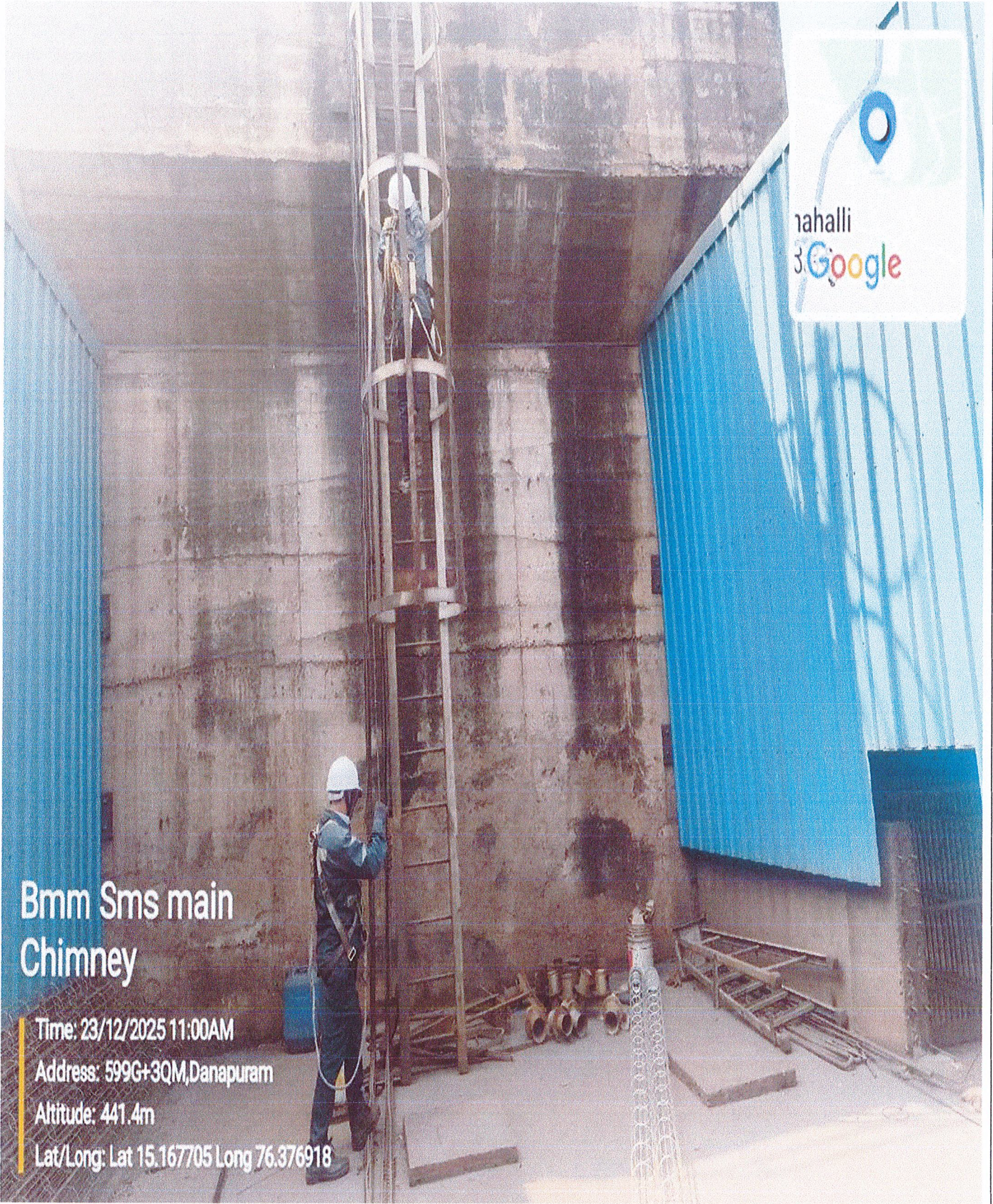

Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh S HOSPET
Laboratory Incharge


Note:

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SMS MAIN CHIMNEY



Bmm Sms main
Chimney

Time: 23/12/2025 11:00AM

Address: 599G+3QM,Danapuram

Altitude: 441.4m

Lat/Long: Lat 15.167705 Long 76.376918



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e-mail : gems_hpt@yahoo.com

Website : www.gemslip.in



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 | : | DECEMBER -2025 |
| 11 | Date of Sample Received | : | 08.12.2025&24.12.2025 |
| 12 | Date of Sample Analysis | : | 09.12.2025&25.12.2025 |
| 13 | Date Sample Analysis Completion | : | 10.12.2025&26.12.2025 |
| 14 | Report Issued Date | : | 07.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003620F |

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	
				08.12.2025	24.12.2025	
	Date of Monitoring			7497	7976	
	Sample Code					
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	28	28	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	117	115	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	5.73	5.52	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	145786	140605	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	111337	107891	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	17.47	16.53	50
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	272	265	NS
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	17.00	20	NS
9	Carbon Monoxide	GEMS/SOP/69	%	0.381	0.446	NS

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

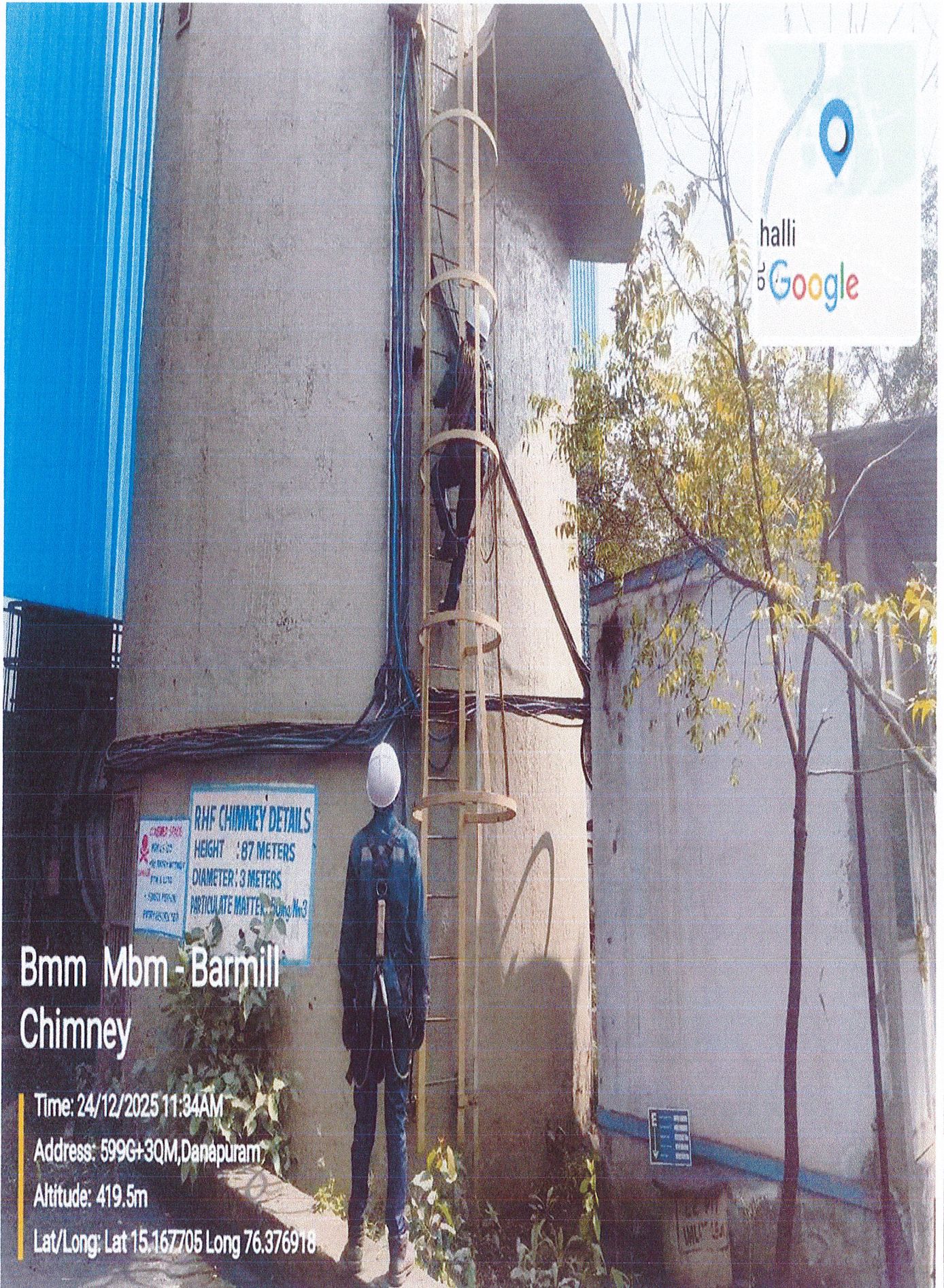
End of the Report

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

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RWF CHIMNEY DETAILS
HEIGHT : 87 METERS
DIAMETER : 3 METERS
PARTICULATE MATTER : 30mg/M³

Bmm Mbm - Barmill Chimney

Time: 24/12/2025 11:34AM

Address: 599G+3QM,Danapuram

Altitude: 419.5m

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-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
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	Sampling Location	:	Blast Furnance -Stove Waste Gas
10	Month of Sampling	:	DECEMBER -2025
11	Date of Sample Received	:	09.12.2025&25.12.2025
12	Date of Sample Analysis	:	10.12.2025&26.12.2025
13	Date Sample Analysis Completion	:	10.12.2025&26.12.2025
14	Report Issued Date	:	07.01.2026
15	Report Number	:	ULR-TC1618025000003644F

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	
				09.12.2025	25.12.2025	
	Date of Monitoring			7569	7980	
	Sample Code					
1	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	29	28	-
2	Stack Temperature	IS: 11255 (Part 1) - 1985 (RA 2014)	°C	138	141	-
3	Velocity of Fuel Gas	IS: 11255 (Part 3) - 1985 (RA 2014)	m/sec	6.32	5.92	-
4	Gas flow rate at Stack Condition	IS-11255(Part 03)1985(RA 2014)	m ³ /hr	102969	96377	-
5	Gas flow rate at NTP	IS-11255(Part 03)1985(RA 2014)	Nm ³ /hr	74649	69345	-
6	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2014)	mg/Nm ³	9.90	8.71	30.0
7	Sulphur Dioxide	IS: 11255 (Part 2): 1985 (RA 2014)	mg/Nm ³	70	66	200
8	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2017)	mg/Nm ³	9	11	150
9	Carbon Monoxide	GEMS/SOP/69	%	0.391	0.391	<1%

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

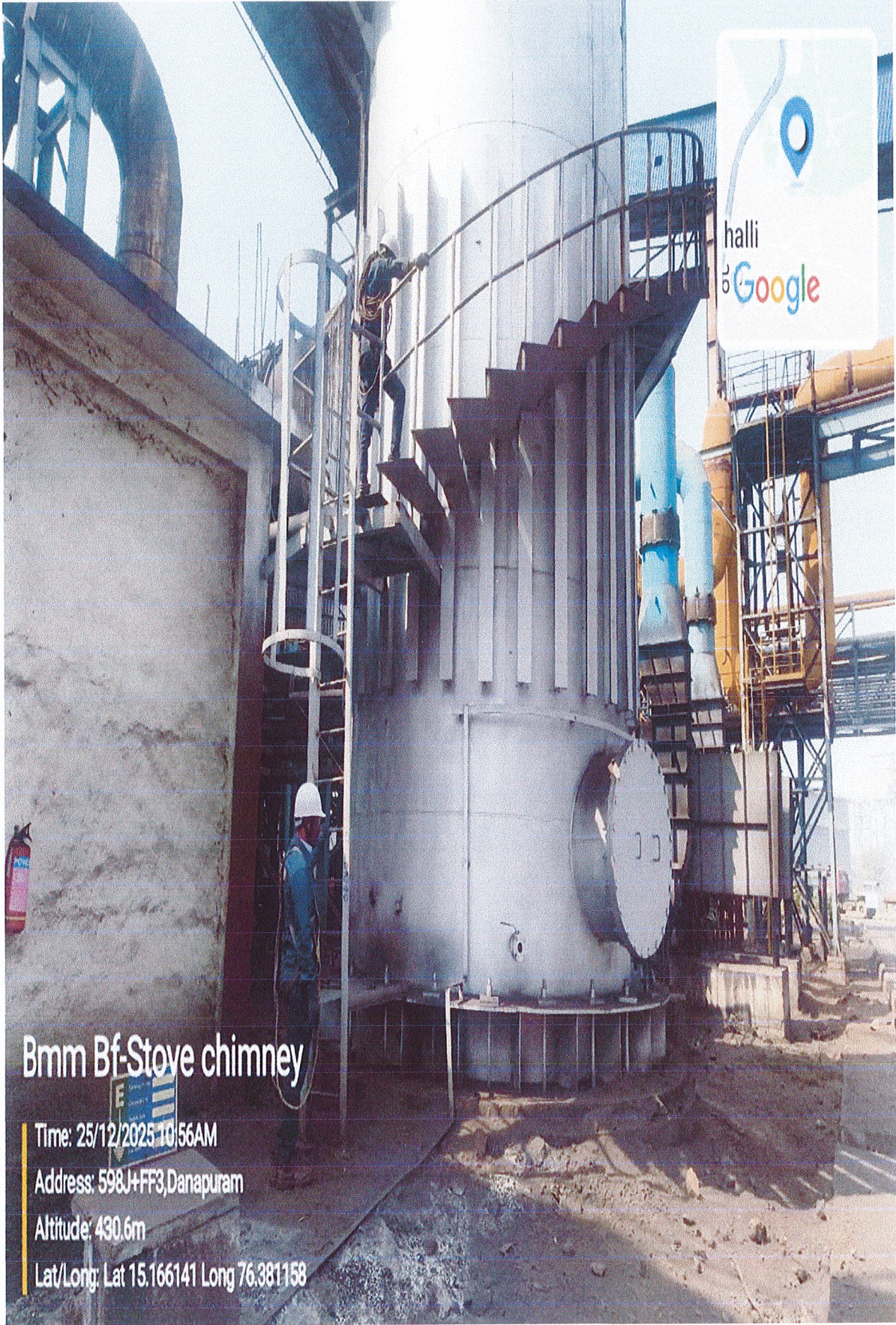
****End of the Report****

Analysed By
Samreen P
Chemist

Authorised Signatory
Venkatesh
Laboratory Incharge

Note:

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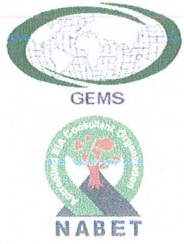
Bmm Bf-Stove chimney

Time: 25/12/2025 10:56AM

Address: 598J+FF3,Danapuram

Altitude: 430.6m

Lat/Long: Lat 15.166141 Long 76.381158



GLOBAL ENVIRONMENT & MINING SERVICES LLP

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 e-mail : gems_hpt@yahoo.com
 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 | : | DECEMBER -2025(1st Fort Night) |
| 10 | Date of Sample Received | : | 08.12.2025 |
| 11 | Date of Sample Analysis | : | 09.12.2025 |
| 12 | Date Sample Analysis Completion | : | 09.12.2025 |
| 13 | Report Issued Date | : | 07.01.2026 |
| 14 | Report Number | : | ULR-TC1618025000003621F |

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	08.12.2025	7498	---	30	38	4.55	30	0.90	12.07	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	10424	9948	-

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****

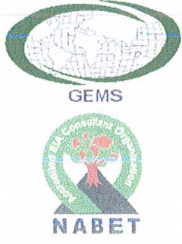
Samreen P
Analysed By
 Samreen P
 Chemist

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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Website : www.gemslip.in



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 | : | DECEMBER -2025(1st Fort Night) |
| 10 | Date of Sample Received | : | - |
| 11 | Date of Sample Analysis | : | - |
| 12 | Date Sample Analysis Completion | : | - |
| 13 | Report Issued Date | : | - |
| 14 | Report Number | : | ULR-TC161802500000F |

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	---	---	---	---	---	---	---	---	---	50
4	Lime & Bentonite Powder bin top bag filter	---	---	---	---	---	---	---	---	---	50
5	AGB De dusting Bag Filter	---	---	---	---	---	---	---	---	---	50
6	Powder Coal main bag filter	---	---	---	---	---	---	---	---	---	50
7	RP-6 Conveyor bag Filter	---	---	---	---	---	---	---	---	---	50
8	Pellet discharge bin bag filter	---	---	---	---	---	---	---	---	---	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	---	---	-
4	Lime & Bentonite Powder bin top bag filter	---	---	-
5	AGB De dusting Bag Filter	---	---	-
6	Powder Coal main bag filter	---	---	-
7	RP-6 Conveyor bag Filter	---	---	-
8	Pellet discharge bin bag filter	---	---	-

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

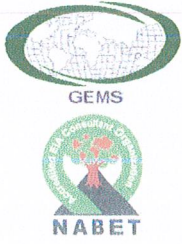
****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh
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	:	DECEMBER -2025(1st Fort Night)
10	Date of Sample Received	:	02.12.2025&13.12.2025&03.12.2025&04.12.2025
11	Date of Sample Analysis	:	03.12.2025&15.12.2025&04.12.2025&05.12.2025
12	Date Sample Analysis Completion	:	04.12.2025&16.12.2025&05.12.2025&06.12.2025
13	Report Issued Date	:	07.01.2026
14	Report Number	:	ULR-TC1618025000003495F

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	02.12.2025	7221	---	32	34	4.62	30	1.20	24.79	50
10	Cooler Discharge -2	13.12.2025	7536	---	27	31	4.72	30	1.20	26.97	50
11	Coal stock house	02.12.2025	7222	---	32	34	4.39	30	1.20	12.74	50
12	PSB 1 System-1	03.12.2025	7264	---	27	35	4.94	30	1.20	22.27	50
13	PSB 1 System-2	03.12.2025	7265	---	28	36	4.55	30	1.20	26.65	50
14	PSB 2 System-1 MCC	03.12.2025	7266	---	28	34	4.90	30	1.20	22.80	50
15	PSB 1 System-2 Road	04.12.2025	7321	---	27	34	1.38	30	1.20	28.38	50
16	Junction House Old & New	04.12.2025	7319	---	27	33	4.46	30	1.20	25.28	50
17	Storage Bunker	04.12.2025	7320	---	28	32	4.36	30	1.20	17.09	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	18814	18195	-
10	Cooler Discharge -2	19220	18818	-
11	Coal stock house	17876	17281	-
12	PSB 1 System-1	20110	19411	-
13	PSB 1 System-2	19541	19015	-
14	PSB 2 System-1 MCC	20358	19691	-
15	PSB 1 System-2 Road	20187	19449	-
16	Junction House Old & New	20313	19633	-
17	Storage Bunker	19544	18909	-
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****

Analyzed By
Samreen P
Chemist

Authorised Signatory
Venkatesh
Laboratory Incharge

Note:

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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 | : DECEMBER -2025(1st Fort Night) |
| 10 | Date of Sample Received | : 05.12.2025&06.12.2025&08.12.2025 |
| 11 | Date of Sample Analysis | : 06.12.2025&08.12.2025&09.12.2025 |
| 12 | Date Sample Analysis Completion | : 08.12.2025&09.12.2025&10.12.2025 |
| 13 | Report Issued Date | : 07.01.2026 |
| 14 | Report Number | : ULR-TC1618025000003544F |

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	05.12.2025	7327	---	27	34	4.77	30	1.20	27.72	50
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	05.12.2025	7326	---	28	35	4.62	30	1.20	31.01	50
21	DE 8 & 12 I-Bin, (Stand By)	06.12.2025	7346	---	28	36	4.86	30	1.90	34.39	50
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	06.12.2025	7348	---	28	37	5.01	30	1.90	32.87	50
23	Coal Dryer	08.12.2025	7463	---	29	38	4.66	30	1.20	33.44	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	19421	18792	-
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	18794	18107	-
21	DE 8 & 12 I-Bin, (Stand By)	49590	47603	-
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	51181	48973	-
23	Coal Dryer	18994	18138	-

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
HOSPET
Global Environment & Mining Services

Note:

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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 : DECEMBER -2025(2ndFort Night)
- 10 Date of Sample Received : 26.12.2025
- 11 Date of Sample Analysis : 27.12.2025
- 12 Date Sample Analysis Completion : 27.12.2025
- 13 Report Issued Date : 07.01.2026
- 14 Report Number : ULR-TC1618025000003710F

RESULTS

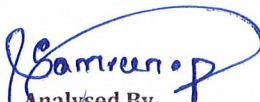
Sl. No	Stack Attached to	Date of Monitoring	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm ³	KSPCB Std mg/Nm ³
Chimneys attached to Bag Filter (De dusting Units)											
Beneficiation Plant-2											
1	Iron Ore Cone Crusher	Shut down	-	---	-	-	-	-	-	-	50
2	Iron Ore Screening	26.12.2025	7981	---	28	33	4.38	30	0.90	13.62	50

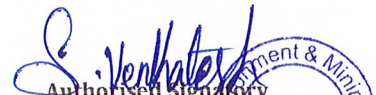
Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m ³ /hr	Gas flow rate at NTP Nm ³ /hr	KSPCB Std
1	Iron Ore Cone Crusher	-	-	-
2	Iron Ore Screening	10039	9739	-


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:

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Website : www.gemslp.in



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 | : | DECEMBER -2025(2ndFort Night) |
| 10 | Date of Sample Received | : | 17.12.2025&18.12.2025 |
| 11 | Date of Sample Analysis | : | 18.12.2025&19.12.2025 |
| 12 | Date Sample Analysis Completion | : | 18.12.2025&19.12.2025 |
| 13 | Report Issued Date | : | 07.01.2026 |
| 14 | Report Number | : | ULR-TC1618025000003665F |

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	17.12.2025	7643	---	30	34	4.65	6.5	0.50	20.55	50
4	Lime & Bentonite Powder bin top bag filter	18.12.2025	7684	---	27	31	4.38	6.5	0.50	18.06	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	18.12.2025	7685	---	29	39	4.90	2.0	0.50	25.08	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	3301	3177	-
4	Lime & Bentonite Powder bin top bag filter	3095	3029	-
5	AGB De dusting Bag Filter	-	-	-
6	Powder Coal main Bagfilter	-	-	-
7	RP-6 Conveyor bag Filter	-	-	-
8	Pellet discharge bin Bagfilter	3461	3291	-

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.

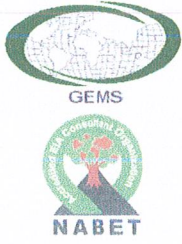
****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh
Laboratory Incharge

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Website : www.gemslip.in



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/ 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 | : | DECEMBER -2025(2ndFort Night) |
| 10 | Date of Sample Received | : | 18.12.2025&19.12.2025&20.12.2025&22.12.2025&24.12.2025&25.12.2025 |
| 11 | Date of Sample Analysis | : | 19.12.2025&20.12.2025&22.12.2025&23.12.2025&25.12.2025&26.12.2025 |
| 12 | Date Sample Analysis Completion | : | 20.12.2025&22.12.2025&23.12.2025&24.12.2025&26.12.2025&27.12.2025 |
| 13 | Report Issued Date | : | 07.01.2026 |
| 14 | Report Number | : | ULR-TC1618025000003674F |

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	18.12.2025	7728	Coal	28	33	4.45	30	1.2	26.73	50
10	Cooler Discharge -2	19.12.2025	7765	Coal	-	-	-	30	1.2	-	50
11	Coal stock house	20.12.2025	7753	Coal	29	33	4.33	30	1.2	13.11	50
12	PSB 1 System-1	22.12.2025	7880	Coal	29	36	4.81	30	1.2	24.74	50
13	PSB 1 System-2	22.12.2025	7881	Coal	28	34	4.63	30	1.2	29.86	50
14	PSB 2 System-1 MCC	23.12.2025	7925	Coal	29	33	4.81	30	1.2	27.92	50
15	PSB 1 System-2 Road	23.12.2025	7926	Coal	30	34	4.52	30	1.2	30.58	50
16	Junction House Old & New	24.12.2025	7960	Coal	29	35	4.57	30	1.2	21.77	50
17	Storage Bunker	25.12.2025	7975	Coal	28	33	4.44	30	1.2	18.08	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	18508	17817	-
10	Cooler Discharge -2	-	-	-
11	Coal stock house	18306	17477	-
12	PSB 1 System-1	19573	18775	-
13	PSB 1 System-2	18869	18251	-
14	PSB 2 System-1 MCC	20400	19702	-
15	PSB 1 System-2 Road	20115	19353	-
16	Junction House Old & New	18772	17971	-
17	Storage Bunker	18161	17490	-
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.

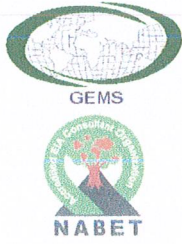
****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge

Note:

- 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-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 | : | DECEMBER -2025(2nd Fort Night) |
| 10 | Date of Sample Received | : | 25.12.2025&26.12.2025&27.12.2025 |
| 11 | Date of Sample Analysis | : | 26.12.2025&27.12.2025&29.12.2025 |
| 12 | Date Sample Analysis Completion | : | 27.12.2025&29.12.2025&30.12.2025 |
| 13 | Report Issued Date | : | 07.01.2026 |
| 14 | Report Number | : | ULR-TC1618025000003707F |

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	25.12.2025	7954	---	29	35	4.88	30	1.20	32.94	50
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	26.12.2025	7988	---	29	34	4.76	30	1.20	31.83	50
21	DE 8 & 12 I-Bin, (Stand By)	26.12.2025	7989	---	25	35	4.73	30	1.90	33.57	50
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	27.12.2025	8011	---	27	36	4.89	30	1.90	28.87	50
23	Coal Dryer	27.12.2025	8012	---	28	39	4.91	30	1.20	34.11	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	18079	17390	-
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	19586	18771	-
21	DE 8 & 12 I-Bin, (Stand By)	51041	49267	-
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	50225	48290	-
23	Coal Dryer	20808	19856	-

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
Authorised Signatory
Venkatesh
Laboratory Incharge

Note:

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Website : www.gemslp.in



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:16.12.2024
Calibration Due Date:15.12.2025
Month : **DECEMBER -2025**
Report Issue Date : **07.01.2026**
Method Adopted : IS 9989-1981 Reaffirmed 2014
Report No : **ULR-TC161802500003478F**

Sl. No	Location	Date of Monitoring	Noise Level dB (A)		Standard
			Day Time		
			Min	Max	
1	Main Gate	01.12.2025	49.6	56.5	75
2	BF Blower House Entrance	01.12.2025	58.3	60.5	75
3	Transit House	02.12.2025	53.4	59.2	75
4	BF-7th Gate	02.12.2025	45.6	48.0	75
5	Gunda Road	03.12.2025	51.6	58.2	75
6	Gunda Railway Station	03.12.2025	46.0	51.6	75
7	Bagging Shed	04.12.2025	57.6	61.4	75
8	Railway Siding	04.12.2025	51.9	55.0	75
9	SMS-Vibro Feeders	05.12.2025	56.2	63.5	75
10	Bricks Plant	05.12.2025	45.8	50.0	75
11	Kempuhalla (Wagon Tippler)	06.12.2025	51.6	58.2	75
12	Danapura Bridge	06.12.2025	59.9	66.9	75
13	2nd Gate	08.12.2025	48.3	54.6	75
14	MBM-Scale pit	08.12.2025	53.17	71.32	75
15	Dispatch (Truck Parking Area)	08.12.2025	67.7	69.5	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.

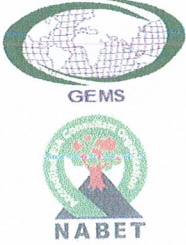
****End of the Report****

Authorised Signatory
Venkatesh S
Laboratory Incharge

ANNEXURE-44

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, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
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Website : www.gemslp.in



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 : **DECEMBER -2025**
Report Issue Date : **07.01.2026**
Method Adopted : IS 9989-1981 Reaffirmed 2014
Report No : **ULR-TC1618025000003663F**

Sl. No	Location	Date of Monitoring	Noise Level dB (A)		
			Day Time		Standard
			Min	Max	
1	Main Gate	16.12.2025	50.0	57.8	75
2	BF Blower house entrance	16.12.2025	59.2	66.2	75
3	Transit House	18.12.2025	51.4	57.3	75
4	BF-7th gate	22.12.2025	44.8	48.2	75
5	Gunda Road	23.12.2025	51.4	58.2	75
6	Gunda Railway Station	23.12.2025	46.4	50.1	75
7	Bagging Shed	18.12.2025	54.8	60.3	75
8	Railway Siding	20.12.2025	56.2	62.0	75
9	SMS-Vibro feeders	17.12.2025	65.3	69.8	75
10	Bricks Plant	20.12.2025	50.0	57.8	75
11	Kempuhalla (Wagon Tippler)	19.12.2025	59.2	66.2	75
12	Danapura Bridge	23.12.2025	51.4	57.3	75
13	2nd Gate	19.12.2025	52.00	60.4	75
14	MBM Scale pit	17.12.2025	69.18	72.36	75
15	Dispatch (Truck Parking Area)	22.12.2025	67.4	73.9	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.

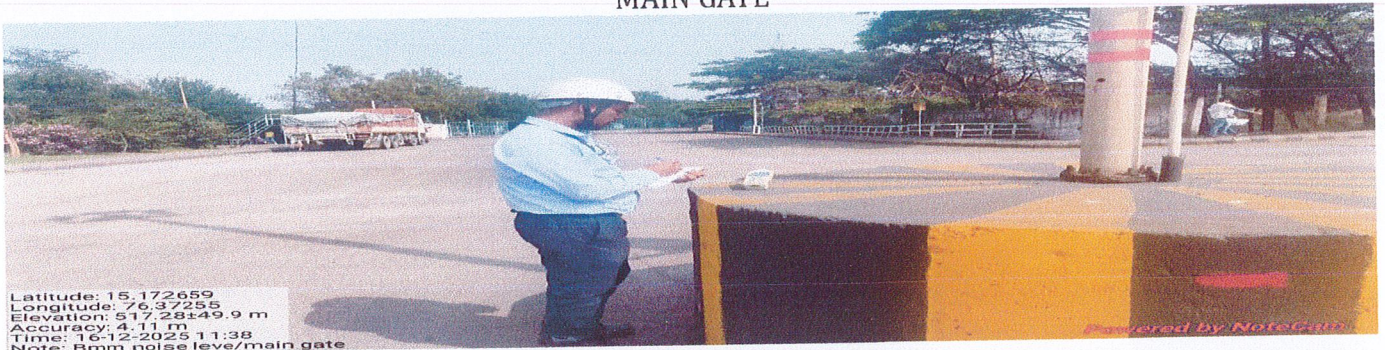
****End of the Report****

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

Note:

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MAIN GATE



Latitude: 15.172659
Longitude: 76.37255
Elevation: 517.28±49.9 m
Accuracy: 4.11 m
Time: 16-12-2025 11:38
Note: Bmm noise leve/main gate

Powered by NoteCam

BLOWER HOUSE



Latitude: 15.165137
Longitude: 76.380698
Elevation: 529.2±9.55 m
Accuracy: 2.0 m
Time: 16-12-2025 12:23
Note: Bmm noise leve/blower house

Powered by NoteCam

MBM SCALE PIT



Latitude: 15.166158
Longitude: 76.37603
Elevation: 517.29±18.6 m
Accuracy: 1.6 m
Time: 17-12-2025 10:55
Note: Bmm noise leve/Mbm scale pit

Powered by NoteCam

SMS VIBRO FEEDER



Latitude: 15.167677
Longitude: 76.378037
Elevation: 529.19±18.6 m
Accuracy: 1.9 m
Time: 17-12-2025 12:18
Note: Bmm noise leve/sms vibro feeder

Powered by NoteCam

TRANSIT HOUSE



Latitude: 15.167364
Longitude: 76.374105
Elevation: 521.29±19.0 m
Accuracy: 9.394 m
Time: 18-12-2025 15:59
Note: Bmm noise leve/transit house

Powered by NoteCam

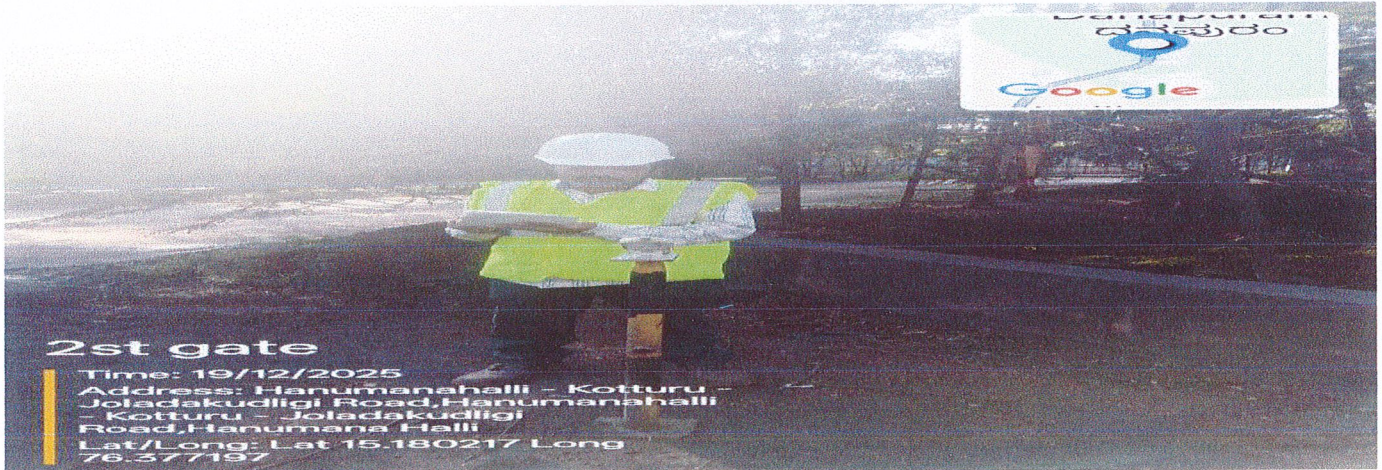
BAGGING SHED



Latitude: 15.167023
Longitude: 76.384364
Elevation: 520.4±16.9 m
Accuracy: 3.79 m
Time: 18-12-2025 16:08
Note: Bmm noise leve/Bagging shed

Powered by NoteCam

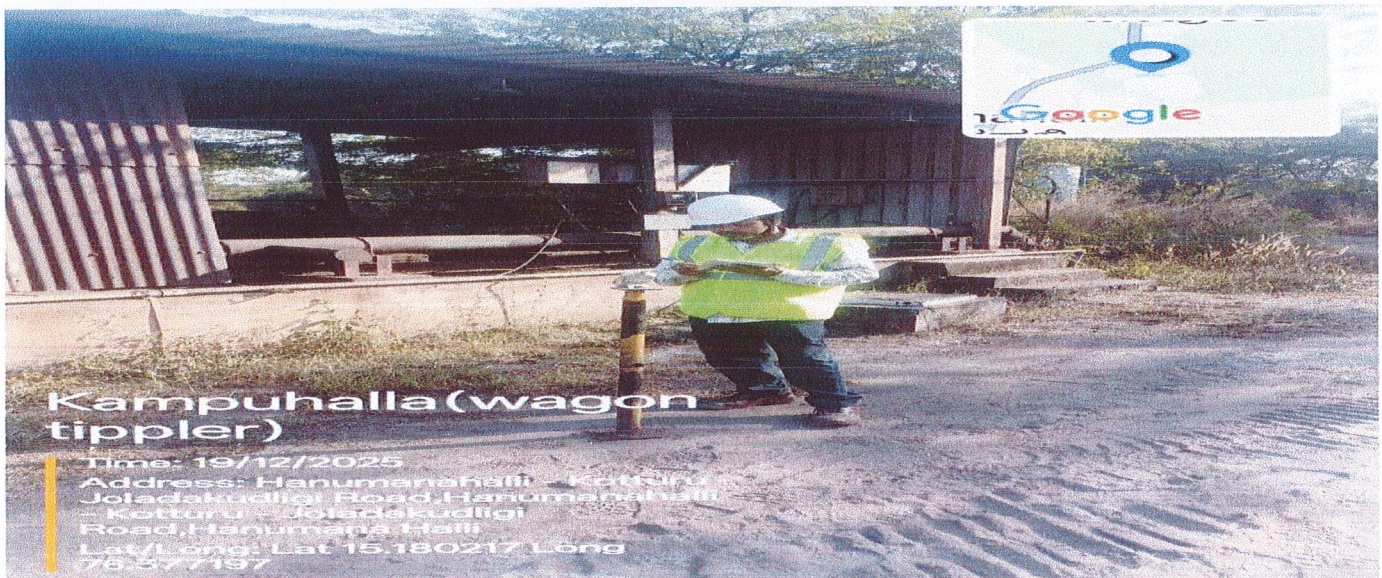
2nd GATE



2st gate

Time: 19/12/2025
Address: Hanumanahalli - Kotturu -
Joladakudligi Road, Hanumanahalli
- Kotturu - Joladakudligi
Road, Hanumana Halli
Lat/Long: Lat 15.180217 Long
76.377197

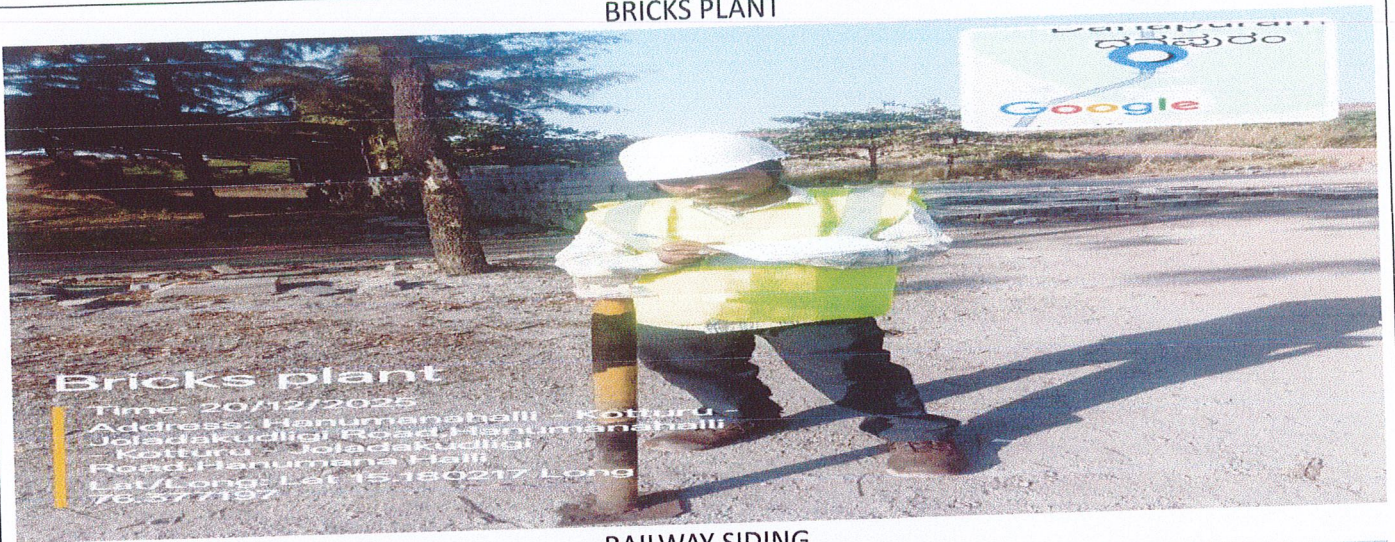
KAMPUHALLA



Kampuhalla (wagon tippler)

Time: 19/12/2025
Address: Hanumanahalli - Kotturu -
Joladakudligi Road, Hanumanahalli
- Kotturu - Joladakudligi
Road, Hanumana Halli
Lat/Long: Lat 15.180217 Long
76.377197

BRICKS PLANT



Bricks plant

Time: 20/12/2025
 Address: Hanumanahalli - Kotturu -
 Joladakudligi Road, Hanumanahalli
 - Kotturu - Joladakudligi
 Road, Hanumana Halli
 Lat/Long: Lat 15.180217 Long
 76.577197

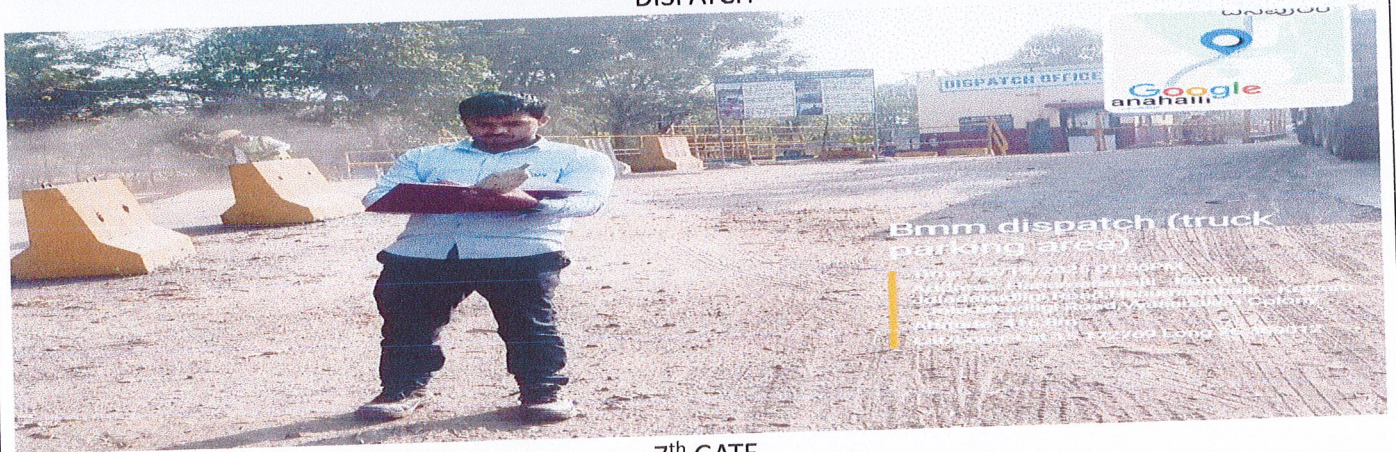
RAILWAY SIDING



Railway Siding

Time: 20/12/2025
 Address: Hanumanahalli - Kotturu -
 Joladakudligi Road, Hanumanahalli
 - Kotturu - Joladakudligi
 Road, Hanumana Halli
 Lat/Long: Lat 15.180217 Long
 76.577197

DISPATCH



Bmm dispatch (truck parking area)

Time: 22/12/2025 01:12PM
 Address: 596F+CX, Danapuram
 - Kotturu - Joladakudligi
 Road, Hanumana Halli
 Lat/Long: Lat 15.180217 Long
 76.577197

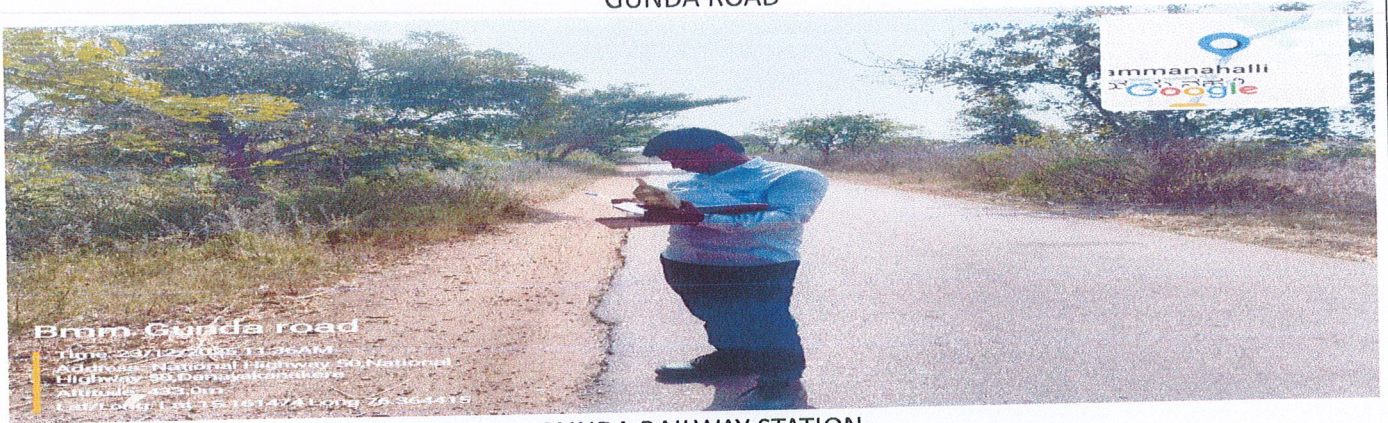
7th GATE



7th gate

Time: 22/12/2025 01:12PM
 Address: 596F+CX, Danapuram
 - Kotturu - Joladakudligi
 Road, Hanumana Halli
 Lat/Long: Lat 15.161092 Long 76.374957

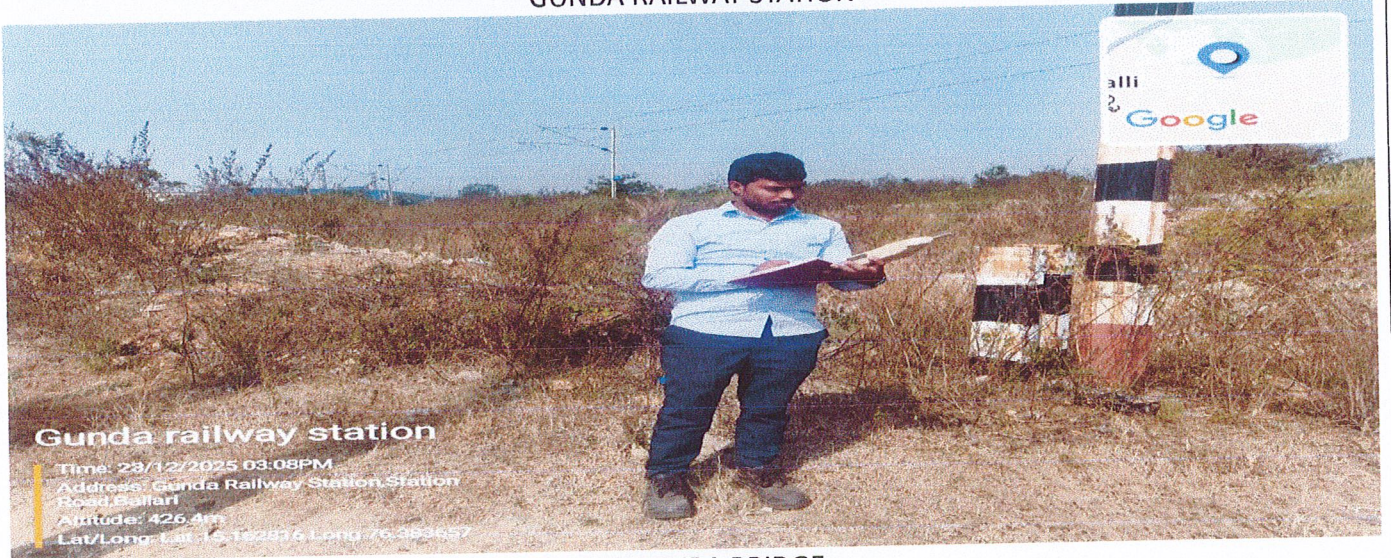
GUNDA ROAD



Bram Gunda road

Time: 23/12/2025 11:26AM
Address: Gunda Road, National Highway 20, National Highway 20, Barahat, India
Altitude: 435.0m
Lat/Long: Lat 15.18147, Long 76.36419

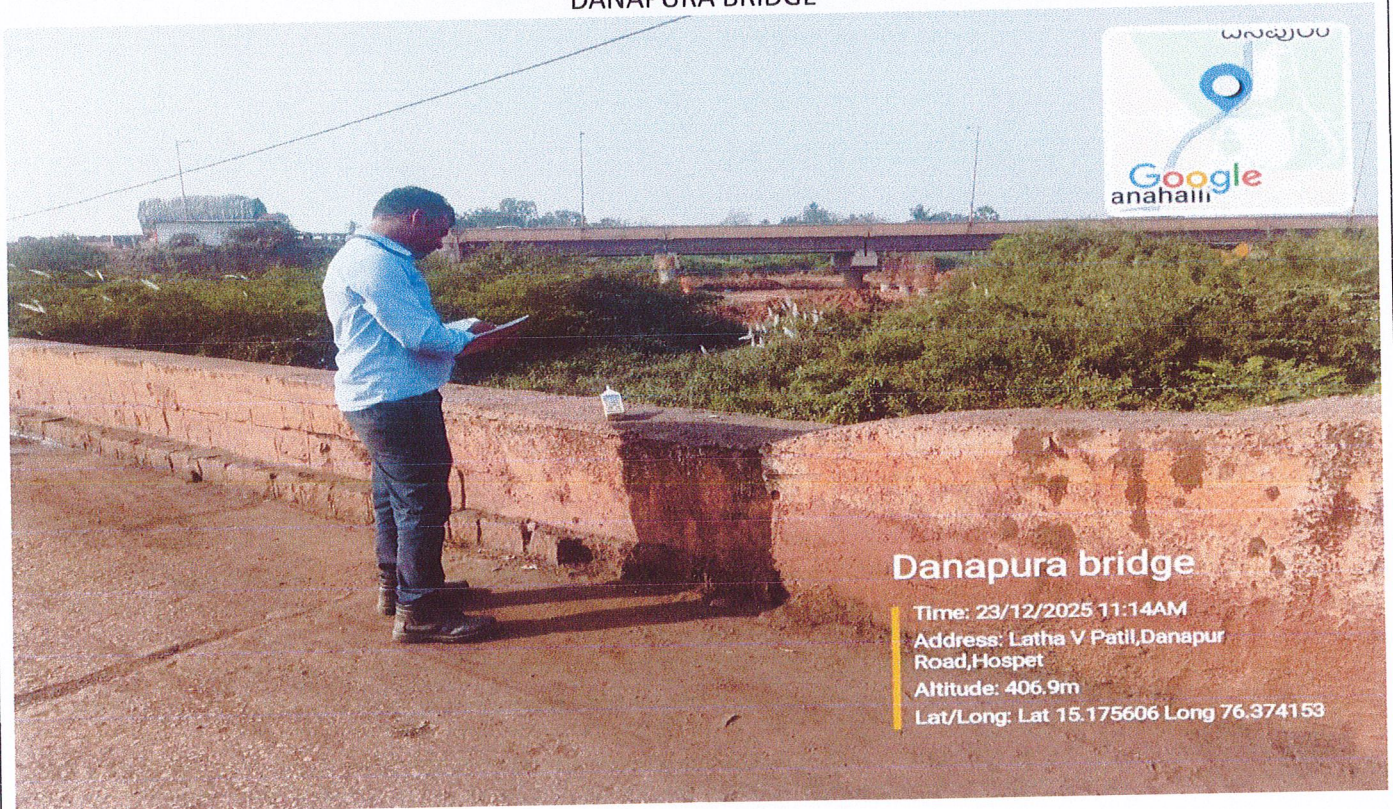
GUNDA RAILWAY STATION



Gunda railway station

Time: 23/12/2025 03:08PM
Address: Gunda Railway Station, Station Road, Galfari
Altitude: 426.4m
Lat/Long: Lat 15.192875, Long 76.393657

DANAPURA BRIDGE



Danapura bridge

Time: 23/12/2025 11:14AM
Address: Latha V Patil, Danapur Road, Hospet
Altitude: 406.9m
Lat/Long: Lat 15.175606, Long 76.374153



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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:16.12.2024
 Calibration Due Date:15.12.2026
 Month : **DECEMBER -2025**
 Report Issue Date : **07.01.2026**
 Method Adopted : IS 9989-1981 Reaffirmed 2014
 Report No : **ULR-TC1618025000003477F**

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	01.12.2025	50.29	56.4	53.34	55	40.12	46.8	43.46	45
2	Mariyammana Halli	02.12.2025	49.66	54.87	52.26		36.9	41.3	39.10	
3	Hanumana Halli	03.12.2025	50.61	57.25	53.93		37.2	40.65	38.92	
4	Galemmanagudi	04.12.2025	53.17	56.42	54.8		40.98	48.01	44.5	
5	G. Nagalapura Village	05.12.2025	50.2	57.8	54.00		36.56	42.88	39.72	
6	Gunda Tanda Village	03.12.2025	52.72	55.68	54.2		36.93	43.36	40.14	

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

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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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

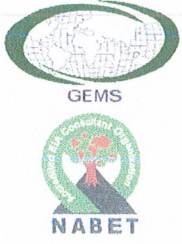
1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.4500003634 DATED:01.07.2025
3	Sample collected by	: Global Environment & Mining Services LLP
4	Particulars of sample collected	: Grab Sampling
5	Sampling Procedure	: GEMS-LD/SOP/32
6	Discipline	: Chemical
7	Group	: Water
8	Sample Type	: Ground Water
9	Sample Code	: 7427
10	Date of Sampling	: 06.12.2025
11	Sample Received	: 06.12.2025
12	Date of Analysis	: 08.12.2025
13	Date of Analysis Completion	: 13.12.2025
14	Report Issue Date	: 07.01.2026
15	Report Number	: ULR-TC1618025000003591F

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	-	7.38	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	1820	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	1089	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	33.18	200max	400max
7.	Phosphorus 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	128.32	-	-
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	202	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	12.28	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	558	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	296.7	250max	1000 max

Note:

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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

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Website : www.gemslp.in



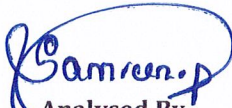
ANNEXURE-46

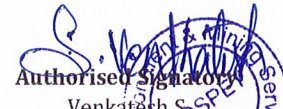
14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.82	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	21.82	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	394.0	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	Nil	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	0.14	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.
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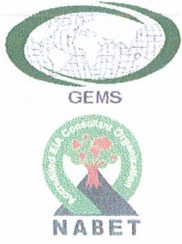
****End of the Report****


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh S. S. S. 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, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the Court of law & should not use any advertising media without special permission in writing.
4. Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Hosapete jurisdiction only.
5. **Recognised by Ministry of Environment, Forest and Climate Change for Laboratory**
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ANNEXURE-46
GEMS-LD/TF/23/01

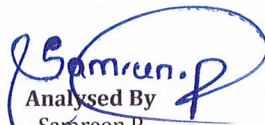
Analysis Report of Water Quality Data

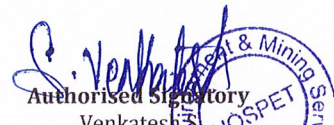

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.4500003634 DATED:01.07.2025
- 3 Sample collected by : Global Environment & Mining Services LLP
- 4 Particulars of sample collected : Grab Sampling
- 5 Sampling Procedure : GEMS-LD/SOP/32
- 6 Discipline : Chemical/Biological
- 7 Group : Water
- 8 Sample Type : Ground Water
- 9 Sample Code : **7427**
- 10 Date of Sampling : 06.12.2025
- 11 Sample Received : 06.12.2025
- 12 Date of Analysis : 08.12.2025
- 13 Date of Analysis Completion : 13.12.2025
- 14 Report Issue Date : **07.01.2026**
15. Report Number : **GEMS/BMMIL/GW/2025-26/3591**

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	<0.02	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
Laboratory Incharge


Note:

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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	: 7429
10	Date of Sampling	: 06.12.2025
11	Sample Received	: 06.12.2025
12	Date of Analysis	: 08.12.2025
13	Date of Analysis Completion	: 13.12.2025
14	Report Issue Date	: 07.01.2026
15	Report Number	: ULR-TC161802500003593F

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	-	7.41	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	2630	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	1580	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	130.04	200max	400max
7.	Phosphorus 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	80.01	-	-
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	72.14	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	117.52	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	664	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	560.43	250max	1000max



Note:

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Website : www.gemslp.in



TC-16180

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.58	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	15.30	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	604	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: 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****

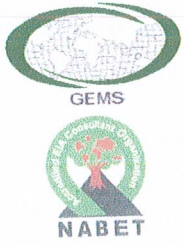
Samreen P
Analysed By

Samreen P
Chemist

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

Note:

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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 : 7429
- 10 Date of Sampling : 06.12.2025
- 11 Sample Received : 06.12.2025
- 12 Date of Analysis : 08.12.2025
- 13 Date of Analysis Completion : 13.12.2025
- 14 Report Issue Date : 07.01.2026
15. Report Number : GEMS/BMMIL/GW/2025-26/3593

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	Escherichia coli count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

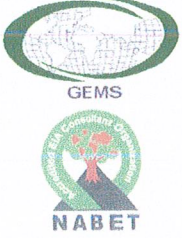
Note: Ab: Absent, NR: No Relaxation

Gemrun.p
 Analysed By
 Samreen P
 Chemist

S. Venkatesh S
 Authorised Signatory
 Venkatesh S
 Laboratory incharge
 Global Environment & Mining Services LLP

Note:

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Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



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	: 7430
10	Date of Sampling	: 06.12.2025
11	Sample Received	: 06.12.2025
12	Date of Analysis	: 08.12.2025
13	Date of Analysis Completion	: 13.12.2025
14	Report Issue Date	: 07.01.2026
15	Report Number	: ULR-TC1618025000003594F

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	-	7.54	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	μS/cm	2320	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	1392	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	118.44	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	178.64	-	-
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	104.20	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	132.07	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	804	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	431.56	250max	1000max

ANNEXURE-48
S. Venkatesh

Note:

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Website : www.gemslp.in



TC-16180

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.59	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	24.18	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	402	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	0.10	0.30max	NR
19.	Chromium as Cr	APHA 24th Edition 3500 Cr-B:2023	mg/L	<0.01	0.05 max	NR

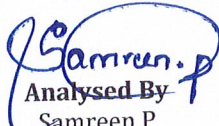
Note: GW3: Galemmanagudi Village. NR-No relaxation.


INFERENCE

As per Standards IS: 10500:2012

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

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


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh S
Laboratory Incharge

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

Analysis Report of Water 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
- Particulars of sample collected : Grab Sampling
- Sampling Procedure : GEMS-LD/SOP/32
- Discipline : Chemical/Biological
- Group : Pollution & Environment
- Sample Type : Ground Water
- Sample Code : 7430
- Date of Sampling : 06.12.2025
- Sample Received : 06.12.2025
- Date of Analysis : 08.12.2025
- Date of Analysis Completion : 13.12.2025
- Report Issue Date : 07.01.2026
- Report Number : GEMS/BMMIL/GW/2025-26/3594

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	<0.03	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 H.
Laboratory Incharge

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Website : www.gemslip.in



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	: 7428
10	Date of Sampling	: 06.12.2025
11	Sample Received	: 06.12.2025
12	Date of Analysis	: 08.12.2025
13	Date of Analysis Completion	: 13.12.2025
14	Report Issue Date	: 07.01.2026
15	Report Number	: ULR-TC1618025000003592F

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	-	7.1	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	2510	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	1505	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	173.89	200max	400max
7.	Phosphorus 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	89.18	-	-
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	162.72	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	96.51	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	804	200max	500max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	514.48	250max	1000max

Note:

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S. Venkatesh





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Website : www.gemslp.in



ANNEXURE-49

14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.46	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	17.78	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	450.00	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.
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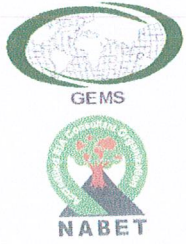
****End of the Report****

Samreen P
Analysed By
Samreen P
Chemist

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

Note:

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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 | : 7428 |
| 10 | Date of Sampling | : 06.12.2025 |
| 11 | Sample Received | : 06.12.2025 |
| 12 | Date of Analysis | : 08.12.2025 |
| 13 | Date of Analysis Completion | : 13.12.2025 |
| 14 | Report Issue Date | : 07.01.2026 |
| 15 | Report Number | : GEMS/BMMIL/GW/2025-26/3592 |

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	<i>Escherichia coli</i> count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

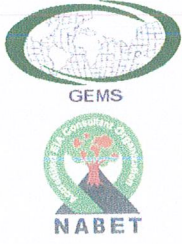
Note: Ab: Absent, NR: No Relaxation

Analysed By
Samreen P.
Chemist

Authorised Signatory
Venkatesh H.
Laboratory Incharge

Note:

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- Water Samples will be destroyed after 7Days, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
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 Website : www.gemslp.in



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 | : | 7431 |
| 10 | Date of Sampling | : | 06.12.2025 |
| 11 | Sample Received | : | 06.12.2025 |
| 12 | Date of Analysis | : | 08.12.2025 |
| 13 | Date of Analysis Completion | : | 13.12.2025 |
| 14 | Report Issue Date | : | 07.01.2026 |
| 15 | Report Number | : | ULR-TC1618025000003595F |

Results

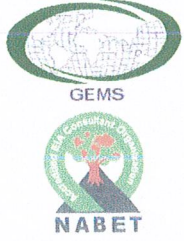
Sl. No.	Parameters	Protocol	Unit	Gunda Thanda (GW5)	Standards as per IS: 10500:2012	
					Acceptable Limits	Permissible Limit in the Absence of Alternate Source
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.4	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	1330	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	810	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	113.43	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	58.12	-	-
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	140.56	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	9.16	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	388	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	140.81	250max	1000 max

ANNEXURE-50

[Handwritten Signature]

Note:

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TC-16180

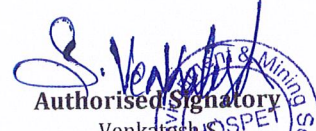
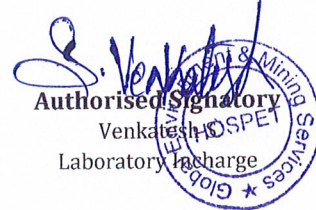
14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.5	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	14.01	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	332.4	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	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: 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.

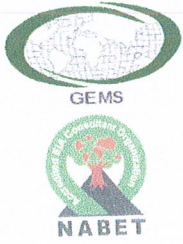
****End of the Report****


Analysed By
Samreen P
Chemist


Authorised Signatory
Venkatesh H
Laboratory Incharge


Note:

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e-mail : gems_hpt@yahoo.com

Website : www.gemslp.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 | : 7431 |
| 10 | Date of Sampling | : 06.12.2025 |
| 11 | Sample Received | : 06.12.2025 |
| 12 | Date of Analysis | : 08.12.2025 |
| 13 | Date of Analysis Completion | : 13.12.2025 |
| 14 | Report Issue Date | : 07.01.2026 |
| 15. | Report Number | : GEMS/BMMIL/GW/2025-26/3596 |

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	<i>Escherichia coli</i> count	IS : 15185:2016	1 CFU/100 ml	Absent	Shall not be detectable in any 100ml sample	-

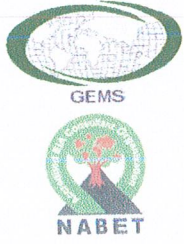
Note: Ab: Absent, NR: No Relaxation

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh
Laboratory Incharge

Note:

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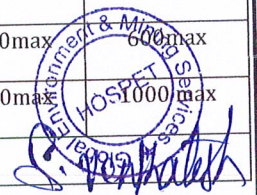
ANNEXURE-51
GEMS-LD/TF/23/01

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 - 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 | : 7432 |
| 10 | Date of Sampling | : 06.12.2025 |
| 11 | Sample Received | : 06.12.2025 |
| 12 | Date of Analysis | : 08.12.2025 |
| 13 | Date of Analysis Completion | : 13.12.2025 |
| 14 | Report Issue Date | : 07.01.2026 |
| 15 | Report Number | : ULR-TC1618025000003596F |

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	-	7.33	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	1420	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	865	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	60.57	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	48.47	-	-
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	126.15	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	7.01	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	345.00	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	243.00	250max	1000max



Note:

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Website : www.gemslp.in



TC-16180

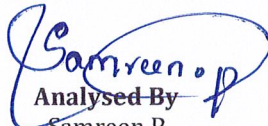
ANNEXURE-51

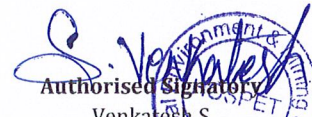
14.	Fluoride as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.39	1 max	1.5 max
15.	Nitrate Nitrogen as NO ₃	APHA 24th Edition 4500 NO3 E : 2023	mg/L	10.88	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B : 2023	mg/L	368.41	200max	600max
17.	Acidity as CaCO ₃	APHA 24th Edition 2310 B : 2023	mg/L	Nil	-	-
18.	Total Iron as Fe	APHA 24th Edition 3500 Fe B : 2023	mg/L	0.10	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:

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Website : www.gemslp.in

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 | : 7432 |
| 10 | Date of Sampling | : 06.12.2025 |
| 11 | Sample Received | : 06.12.2025 |
| 12 | Date of Analysis | : 08.12.2025 |
| 13 | Date of Analysis Completion | : 13.12.2025 |
| 14 | Report Issue Date | : 07.01.2026 |
| 15 | Report Number | : GEMS/BMMIL/GW/2025-26/3597 |

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	5 max	15 max
21	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02 max	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

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
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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- Recognised by Government of Karnataka, Maharashtra, Goa for DGPS survey



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Website : www.gemslip.in



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	: 7433
10	Date of Sampling	: 06.12.2025
11	Sample Received	: 06.12.2025
12	Date of Analysis	: 08.12.2025
13	Date of Analysis Completion	: 13.12.2025
14	Report Issue Date	: 07.01.2026
15	Report Number	: ULR-TC1618025000003597F

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	-	7.3	6.5 to 8.5	NR
2.	Conductivity	APHA 24th Edition 2510 B : 2023	µS/cm	250	-	-
3.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	152	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 SO4 E: 2023	mg/L	18.45	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	20.16	-	-
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	27.25	75max	200max
11.	Magnesium as Mg	APHA 24th Edition 3500 Mg B : 2023	mg/L	1.68	30max	100max
12.	Total Hardness as CaCO ₃	APHA 24th Edition 2340 C : 2023	mg/L	75.00	200max	600max
13.	Chloride as Cl	APHA 24th Edition 4500 Cl B: 2023	mg/L	30.56	250max	1000 max

Global Environment & Mining Services LLP
HOSAPETE
S. Yashwanth

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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	1.62	45max	NR
16.	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320 B: 2023	mg/L	51.00	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

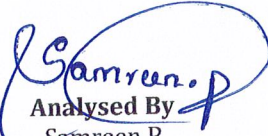
Note: W6: RO Drinking Water. **NR**-No relaxation. **Ab**-Absent.

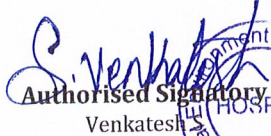
INFERENCE


As per Standards IS: 10500:2012

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

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

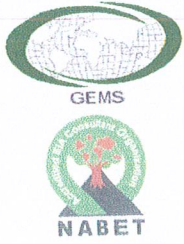

Analysed By
 Samreen P
 Chemist


Authorised Signatory
 Venkatesh
 Laboratory Incharge



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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 | : 7433 |
| 10 | Date of Sampling | : 06.12.2025 |
| 11 | Sample Received | : 06.12.2025 |
| 12 | Date of Analysis | : 08.12.2025 |
| 13 | Date of Analysis Completion | : 13.12.2025 |
| 14 | Report Issue Date | : 07.01.2026 |
| 15. | Report Number | : GEMS/BMMIL/RO/2025-26/3598 |

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	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

Note:

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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 : 06.12.2025
- 10 Sample Received : 06.12.2025
- 11 Date of Analysis : 08.12.2025
- 12 Date of Analysis Completion : 13.12.2025
- 13 Report Issue Date : **07.01.2026**
- 14 Report Number : **ULR-TC1618025000003598F**

Sl. No.	Parameters	Protocol	Unit	Results			As per KSPCB Std	
				STP 45 KLD	STP-1 90 KLD	STP-2 90 KLD		
Sample code				-	7434	7435	7436	
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	8.17	7.62	7.17	6.5 to 8.5	
2.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	12.22	9.19	10.65	<20	
3.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	3.68	3.19	7.13	<10	
4.	Chemical Oxygen Demand as COD	APHA 24th Edition 5220 B: 2023	mg/L	18.39	20.56	38.72	<50	
5.	Oil & Grease	APHA 24th Edition 5520 B: 2023	mg/L	0.2	0.8	2.45	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:

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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 : 06.12.2025
 10 Sample Received : 06.12.2025
 11 Date of Analysis : 08.12.2025
 12 Date of Analysis Completion : 13.12.2025
 13 Report Issue Date : **07.01.2026**
 14. Report Number : **GEMS/BMMIL/STP/2025-26/3599**

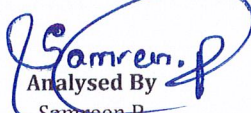
Sl. No.	Parameters	Protocol	Unit	Results			As per KSPCB Std
				STP 45 KLD	STP-1 90 KLD	STP-2 90 KLD	
		Sample code	-	6541	6542	6543	
6.	Color	APHA 24th Edition -2120 C:2023	Hazen	5	5	5	-
7.	Odour	IS: 3025 (PART 5)- 1983, RA-2012, True Odour	-	Agree able	Agree able	Agree able	-
8.	Cyanides (as CN)	APHA 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	0.15	0.39	3.01	5
12.	Total Nitrogen as N	IS:3025 (part 34)-1988, RA-2023	mg/L	0.81	1.48	4.56	10
13.	Fecal coliform	APHA 24th Edition 9211 B :2023	CFU/100ml	11	7	18	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 S
 Laboratory In-charge


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e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



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**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	:	06.12.2025
10	Sample Received	:	06.12.2025
11	Date of Analysis	:	08.12.2025
12	Date of Analysis Completion	:	13.12.2025
13	Report Issue Date	:	07.01.2026
14	Report Number	:	ULR-TC1618025000003599F

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				7437	7438	
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.52	6.53	6.5 to 9.0
2.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	28.57	22.39	100
3.	Chemical Oxygen Demand as COD	APHA 24th Edition 5220 B: 2023	mg/L	140.82	121.43	250
4.	Oil & Grease	APHA 24th Edition 5520 B: 2023	mg/L	5.21	3.42	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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- Water Samples will be destroyed after 7Days, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
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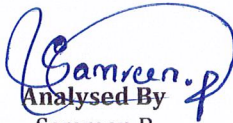
TC-16180


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 : 06.12.2025
 10 Sample Received : 06.12.2025
 11 Date of Analysis : 08.12.2025
 12 Date of Analysis Completion : 13.12.2025
 13 Report Issue Date : **07.01.2026**
 14. Report Number : **ULR-TC1618025000003600F**

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				Danayakanakere Upstream	Danayakanakere Downstream	
Sample code				7439	7440	
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	7.92	8.03	6.5-8.5
2.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	1.93	2.05	3.0
3.	Fluorides as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.31	0.29	1.3

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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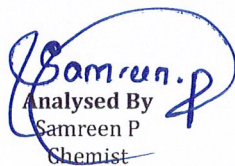
e-mail : gems_hpt@yahoo.com

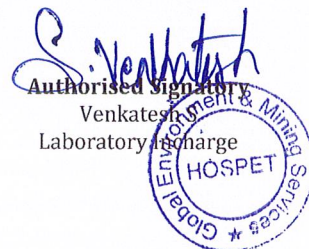

Website : www.gemslp.in

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	:	06.12.2025
10	Sample Received	:	06.12.2025
11	Date of Analysis	:	08.12.2025
12	Date of Analysis Completion	:	13.12.2025
13	Report Issue Date	:	07.01.2026
14.	Report Number	:	GEMS/SW/2025-26/3600

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS - B
				Danayakanakere Upstream	Danayakanakere Downstream	
Sample code				7439	7440	
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	65	58	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


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, Minerals 3 Months, Filter papers & Thimbles After analysis Discard 7 Days
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TC-16180

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

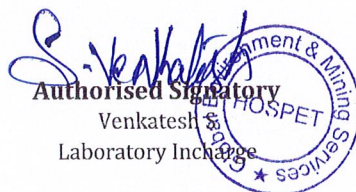
- | | | |
|-----|---------------------------------|---|
| 1 | Name of the Industry | : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District. |
| 2 | Customer Reference | : WORKORDER NO.4500003634 DATED:01.07.2025 |
| 3 | Sample collected by | : Global Environment & Mining Services LLP |
| 4 | 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 | : 06.12.2025 |
| 10 | Sample Received | : 06.12.2025 |
| 11 | Date of Analysis | : 08.12.2025 |
| 12 | Date of Analysis Completion | : 13.12.2025 |
| 13 | Report Issue Date | : 07.01.2026 |
| 14. | Report Number | : ULR-TC1618025000003601F |

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS - B
				KempuHalla Upstream	KempuHalla Downstream	
Sample code				7441	7442	
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	8.02	7.79	6.5-8.5
2.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	1.86	2.12	3.0
3.	Fluorides as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.42	0.39	1.5

INFERENCE: The measured values 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.
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Ph : 08394 355369

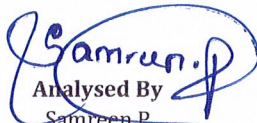
e-mail : gems_hpt@yahoo.com

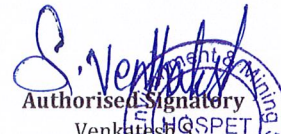
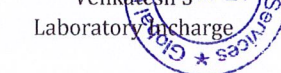
Website : www.gemslp.in

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 | : 06.12.2025 |
| 10 | Sample Received | : 06.12.2025 |
| 11 | Date of Analysis | : 08.12.2025 |
| 12 | Date of Analysis Completion | : 13.12.2025 |
| 13 | Report Issue Date | : 07.01.2026 |
| 14. | Report Number | : GEMS/SW/2025-26/3601 |

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				KempuHalla Upstream	KempuHalla Downstream	
Sample code				7441	7442	
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	31	29	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 S
Laboratory Incharge


Note:

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Ph : 08394 355369

e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in



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 | : | 06.12.2025 |
| 10 | Sample Received | : | 06.12.2025 |
| 11 | Date of Analysis | : | 08.12.2025 |
| 12 | Date of Analysis Completion | : | 13.12.2025 |
| 13 | Report Issue Date | : | 07.01.2026 |
| 14 | Report Number | : | ULR-TC1618025000003602F |

Sl. No.	Parameters	Protocol	Unit	Results	IS 2296 -1982 CLASS -B
				Tungabhadra dam	
				Sample Code	7443
1.	pH	APHA 24th Edition 4500 H +B: 2023	-	6.93	6.5-8.5
2.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	2.18	3.0
3.	Fluorides as F	APHA 24th Edition 4500 F D : 2023	mg/L	0.41	1.5
4.	Total Dissolved Solids	APHA 24th Edition 2540 C: 2023	mg/L	198.35	-
5.	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	29.65	-

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

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh S
Laboratory Incharge

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e-mail : gems_hpt@yahoo.com

Website : www.gemslp.in

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 : 06.12.2025
- 10 Sample Received : 06.12.2025
- 11 Date of Analysis : 08.12.2025
- 12 Date of Analysis Completion : 13.12.2025
- 13 Report Issue Date : **07.01.2026**
14. Report Number : **GEMS/SW/2025-26/3602**

Sl. No.	Parameters	Protocol	Unit	Results	IS 2296 -1982 CLASS -B
				Tungabhadra dam	
Sample Code				7443	
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	75	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.

Samreen P
Analysed By
Samreen P
Chemist

S. Venkatesh
Authorised Signatory
Venkatesh
Laboratory Incharge

Global Environment & Mining Services
HOSPETE

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