

# **BMM Ispat Ltd.,**

## **ENVIRONMENTAL MONITORING REPORT**



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

**FEBRUARY-2026**

**Prepared by**



**SHRI KRISHNA AQUA ENGINEERING WORKS**

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.

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## **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 **FEBRUARY-2026**. The Parameters monitored are:

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

## **2.0 Fugitive Emission Monitoring**

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

## **3.0 Stack Monitoring**

Stack Monitoring was Collected from Vayubodhan 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, SO<sub>2</sub>, NO<sub>2</sub> values Average 63.30, 17.71, 8.56 & 10.66 µg/m<sup>3</sup> 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, SO<sub>2</sub>, NO<sub>2</sub> values Average 62.74, 15.25, 7.82 & 9.59 µg/m<sup>3</sup> 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, SO<sub>2</sub>, NO<sub>2</sub> values Average 64.71, 19.53, 8.84 & 10.60 µg/m<sup>3</sup> 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 57.44, 18.24, 9.93 & 11.72 µg/m<sup>3</sup> 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 48.36, 13.08, 7.12 & 8.95 µg/m<sup>3</sup> 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 49.25, 15.09, 7.23 & 8.33 µg/m<sup>3</sup> 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 185.87 µg/m<sup>3</sup>, maximum value 1932.89 µg/m<sup>3</sup> and average value 893.10 µg/m<sup>3</sup>. The Fugitive air quality 1<sup>st</sup> & 2<sup>nd</sup> Fortnight Results given in **Annexure-7 to Annexure-12**.

**5.2 STACK MONITORING**

Stack emission level was monitored all chimneys' PM values (mg/Nm<sup>3</sup>) 1<sup>st</sup> and 2<sup>nd</sup> Fortnight Minimum Value 10.53 mg/Nm<sup>3</sup>, Maximum Value 40.93 mg/Nm<sup>3</sup> & Average Value 25.78 mg/Nm<sup>3</sup>. 1<sup>st</sup> & 2<sup>nd</sup> Fortnight Results are given in **Annexure-13 to Annexure-46**.

**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 42.4 to 70.2 dB (A). The noise level status is given in **Annexure-47 to Annexure-48**

**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-49 to Annexure-61.**

**5.5** **CONCLUSION**

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



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TC-17231

ANNEXURE-01

Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
 Sample collected by : Shri Krishna Aqua Engineering Works  
 Discipline : Chemical  
 Group : Atmospheric Pollution  
 Sample Type : Ambient Air Quality Monitoring  
 Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler  
 Month : FEBRUARY-2026  
 Location : A1-Danapur Village  
 Duration of Monitoring : 24 Hour  
 Report Issued Date : 04.03.2026  
 Report Number : ULR-TC172312600000195F

### RESULTS

Parameters			PM <sub>10</sub> [µg/m <sup>3</sup> ]		PM <sub>2.5</sub> [µg/m <sup>3</sup> ]		SO <sub>2</sub> [µg/m <sup>3</sup> ]		NO <sub>2</sub> [µg/m <sup>3</sup> ]					
Reference Method			IS:5182: 2006 (Part-23) (RF-2022)		IS 5182 (Part 24): 2019 (RF-2024)		IS:5182: (Part-2) Sec 1:2023		IS :5182: (Part-6) 2006 (RF-2022)					
Date of Sampling	Date of Sample Received	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD				
05.02.2026	06.02.2026	93	62.44	100	19.00	60	9.56	80	12.62	80				
06.02.2026	07.02.2026	97	70.83		14.00		7.47		9.32					
09.02.2026	10.02.2026	128	52.05		20.53		7.90		10.85					
10.02.2026	11.02.2026	133	64.86		15.78		9.48		10.94					
16.02.2026	17.02.2026	229	70.79		17.82		8.79		9.46					
17.02.2026	18.02.2026	244	65.88		15.80		8.00		10.36					
23.02.2026	24.02.2026	308	53.03		17.53		8.86		11.67					
24.02.2026	25.02.2026	326	66.49		21.23		8.41		10.09					
<b>Average</b>			<b>63.30</b>				<b>17.71</b>				<b>8.56</b>		<b>10.66</b>	

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Envirotech Instrument/APM 460BL	ETCL/APM-172 MFC
3	Serial No	R.D.S. / DATE -D-2000	PM10/PM2.55 Sampler /52-2020
4	Calibration Date	08.09.2025	08.09.2025
5	Calibration Due Date	07.09.2026	07.09.2026

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\*\***



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-02

Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler  
Month : FEBRUARY-2026  
Location : A2-Mariyammanahalli Village  
Duration of Monitoring : 24 Hour  
Report Issued Date : 04.03.2026  
Report Number : ULR-TC172312600000196F

### RESULTS

Parameters			PM <sub>10</sub> [µg/m <sup>3</sup> ]		PM <sub>2.5</sub> [µg/m <sup>3</sup> ]		SO <sub>2</sub> [µg/m <sup>3</sup> ]		NO <sub>2</sub> [µg/m <sup>3</sup> ]					
Reference Method			IS:5182: 2006 (Part-23) (RF-2022)		IS 5182 (Part 24): 2019 (RF-2024)		IS:5182: (Part-2) Sec 1:2023		IS :5182: (Part-6) 2006 (RF-2022)					
Date of Sampling	Date of Sample Received	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD				
05.02.2026	06.02.2026	94	66.31	100	17.91	60	8.80	80	9.79	80				
06.02.2026	07.02.2026	98	69.00		9.82		7.32		11.41					
09.02.2026	10.02.2026	129	55.13		15.86		8.12		10.13					
10.02.2026	11.02.2026	134	62.21		11.37		7.51		8.29					
16.02.2026	17.02.2026	230	67.20		17.02		8.37		10.08					
17.02.2026	18.02.2026	245	57.47		14.08		8.36		9.28					
23.02.2026	24.02.2026	309	71.08		16.83		6.96		7.80					
24.02.2026	25.02.2026	327	53.51		19.13		7.11		9.97					
<b>Average</b>			<b>62.74</b>				<b>15.25</b>				<b>7.82</b>		<b>9.59</b>	

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Envirotech Instrument/APM 460BL	ETCL/APM-173 MFC
3	Serial No	R.D.S. / 1575-DTC-2005	PM10/PM2.55 Sampler /52-2020
4	Calibration Date	08.09.2025	08.09.2025
5	Calibration Due Date	07.09.2026	07.09.2026

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\*\***



Reviewed & Authorized Signatory

*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-03

Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
 Sample collected by : Shri Krishna Aqua Engineering Works  
 Discipline : Chemical  
 Group : Atmospheric Pollution  
 Sample Type : Ambient Air Quality Monitoring  
 Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler  
 Month : **FEBRUARY-2026**  
 Location : **A3-Hanumanahalli Village**  
 Duration of Monitoring : 24 Hour  
 Report Issued Date : **04.03.2026**  
 Report Number : **ULR-TC1723126000000193F**

Parameters			PM <sub>10</sub> [µg/m <sup>3</sup> ]		PM <sub>2.5</sub> [µg/m <sup>3</sup> ]		SO <sub>2</sub> [µg/m <sup>3</sup> ]		NO <sub>2</sub> [µg/m <sup>3</sup> ]	
Reference Method			IS:5182: 2006 (Part-23) (RF-2022)		IS 5182 (Part 24): 2019 (RF-2024)		IS:5182: (Part-2) Sec 1:2023		IS :5182: (Part-6) 2006 (RF-2022)	
Date of Sampling	Date of Sample Received	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD
03.02.2026	04.02.2026	89	72.64	100	16.74	60	8.14	80	9.07	80
04.02.2026	05.02.2026	91	56.59		21.82		7.88		11.05	
11.02.2026	12.02.2026	175	70.10		22.23		10.85		13.32	
12.02.2026	13.02.2026	181	64.21		20.24		9.60		11.91	
18.02.2026	19.02.2026	268	63.86		20.99		8.41		9.51	
19.02.2026	20.02.2026	274	60.37		18.23		8.41		9.29	
25.02.2026	26.02.2026	356	66.62		14.22		8.82		10.55	
26.02.2026	27.02.2026	362	63.26		21.75		8.63		10.12	
<b>Average</b>			<b>64.71</b>		<b>19.53</b>		<b>8.84</b>		<b>10.60</b>	

### RESULTS

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Envirotech Instrument/APM 460BL	Titan /FPS/APM-700
3	Serial No	R.D.S. / 140-DTH-2013	FPS/101-C-13
4	Calibration Date	28.01.2026	08.09.2025
5	Calibration Due Date	27.01.2026	07.09.2026

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\*\***



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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ANNEXURE-04

Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
 Sample collected by : Shri Krishna Aqua Engineering Works  
 Discipline : Chemical  
 Group : Atmospheric Pollution  
 Sample Type : Ambient Air Quality Monitoring  
 Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler  
 Month : FEBRUARY-2026  
 Location : A4-Galemmanagudi Village  
 Duration of Monitoring : 24 Hour  
 Report Issue Date : 04.03.2026  
 Report Number : ULR-TC1723126000000197F

### RESULTS

Parameters			PM <sub>10</sub> [µg/m <sup>3</sup> ]		PM <sub>2.5</sub> [µg/m <sup>3</sup> ]		SO <sub>2</sub> [µg/m <sup>3</sup> ]		NO <sub>2</sub> [µg/m <sup>3</sup> ]					
Reference Method			IS:5182: 2006 (Part-23) (RF-2022)		IS 5182 (Part 24): 2019 (RF-2024)		IS:5182: (Part-2) Sec 1:2023		IS :5182: (Part-6) 2006 (RF-2022)					
Date of Sampling	Date of Sample Received	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD				
05.02.2026	06.02.2026	95	66.48	100	21.02	60	11.02	80	13.66	80				
06.02.2026	07.02.2026	99	51.62		18.36		9.48		10.89					
09.02.2026	10.02.2026	130	50.39		20.27		12.42		14.29					
10.02.2026	11.02.2026	131	56.28		17.16		8.62		10.02					
16.02.2026	17.02.2026	231	62.54		21.74		9.46		12.15					
17.02.2026	18.02.2026	246	54.49		17.58		7.61		10.32					
23.02.2026	24.02.2026	310	59.70		14.08		11.93		12.11					
24.02.2026	25.02.2026	328	58.01		15.74		8.88		10.32					
<b>Average</b>			<b>57.44</b>				<b>18.24</b>				<b>9.93</b>		<b>11.72</b>	

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Envirotech Instrument/APM 460BL	Enviro instruments / EI-133
3	Serial No	R.D.S. / 197-C-36	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.
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**\*\*End of the Report\*\***



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manager

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ANNEXURE-05

Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler  
Month : FEBRUARY-2026  
Location : A5-G Nagalapura Village  
Duration of Monitoring : 24 Hour  
Report Issue Date : 04.03.2026  
Report Number : ULR-TC172312600000198F

### RESULTS

Parameters			PM10 [µg/m3]		PM2.5 [µg/m3]		SO2 [µg/m3]		NO2 [µg/m3]	
Reference Method			IS:5182: 2006 (Part-23) (RF-2022)		IS 5182 (Part 24): 2019 (RF-2024)		IS:5182: (Part-2) Sec 1:2023		IS :5182: (Part-6) 2006 (RF-2022)	
Date of Sampling	Date of Received Sample	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD
05.02.2026	06.02.2026	96	43.89	100	11.74	60	7.38	80	8.78	80
06.02.2026	07.02.2026	100	52.76		13.91		8.09		11.58	
09.02.2026	10.02.2026	131	48.74		11.90		7.24		9.45	
10.02.2026	11.02.2026	132	49.44		16.40		6.08		8.79	
16.02.2026	17.02.2026	232	52.16		11.72		6.74		9.18	
17.02.2026	18.02.2026	247	45.68		15.00		7.29		8.22	
23.02.2026	24.02.2026	311	51.20		13.38		7.67		8.17	
24.02.2026	25.02.2026	329	43.04		10.57		6.45		7.42	
<b>Average</b>			<b>48.36</b>				<b>13.08</b>			

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Envirotech Instrument/APM 460BL	Enviro instruments / EI-133
3	Serial No	R.D.S. / 199-C-37	536-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.
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**\*\*End of the Report\*\***



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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TC-17231

ANNEXURE-06

Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
 Sample collected by : Shri Krishna Aqua Engineering Works  
 Discipline : Chemical  
 Group : Atmospheric Pollution  
 Sample Type : Ambient Air Quality Monitoring  
 Particulars of Sample Collected : Respirable Dust Sampler, FPS Sampler  
 Month : FEBRUARY-2026  
 Location : A6-Gunda Tanda Village  
 Duration of Monitoring : 24 Hour  
 Report Issue Date : 04.03.2026  
 Report Number : ULR-TC1723126000000194F

### RESULTS

Parameters			PM <sub>10</sub> [µg/m <sup>3</sup> ]		PM <sub>2.5</sub> [µg/m <sup>3</sup> ]		SO <sub>2</sub> [µg/m <sup>3</sup> ]		NO <sub>2</sub> [µg/m <sup>3</sup> ]	
Reference Method			IS:5182: 2006 (Part-23) (RF-2022)		IS 5182 (Part 24): 2019 (RF-2024)		IS:5182: (Part-2) Sec 1:2023		IS :5182: (Part-6) 2006 (RF-2022)	
Date of Sampling	Date of Received Sample	Sample Code	Result	STD	Result	STD	Result	STD	Result	STD
03.02.2026	04.02.2026	90	49.10	100	16.59	60	6.62	80	7.69	80
04.02.2026	05.02.2026	92	47.09		13.32		7.70		8.52	
11.02.2026	12.02.2026	176	54.16		15.34		8.05		9.04	
12.02.2026	13.02.2026	182	48.16		14.44		7.36		8.08	
18.02.2026	19.02.2026	269	50.76		18.46		6.31		7.34	
19.02.2026	20.02.2026	275	53.90		16.05		7.86		8.99	
25.02.2026	26.02.2026	357	47.65		11.38		6.23		7.52	
26.02.2026	27.02.2026	363	43.18		15.12		7.67		9.45	
<b>Average</b>			<b>49.25</b>				<b>15.09</b>			

SL NO	INSTRUMENT DETAILS		
1	Instrument Name	Respirable Dust Sampler (RDS)	Fine Particulate Sampler (FPS)
2	Make & Model	Envirotech Instrument/APM 460BL	Titan /FPS/APM-700
3	Serial No	R.D.S. / 1402-DTK-2001	FPS/102-C-13
4	Calibration Date	28.01.2026	08.09.2025
5	Calibration Due Date	27.01.2026	07.09.2026

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\*\***



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-13  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Pellet Plant-1 ESP</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	13.02.2026 & 17.02.2026
12	Date of Sample Analysis	:	14.02.2026 & 18.02.2026
13	Date of Sample Analysis completion	:	14.02.2026 & 18.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>ULR-TC1723126000000220F</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				12.02.2026	17.02.2026	
	Date of Sample Collected			197	248	
	Sample Code					
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	55	57	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	5.52	5.53	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	27.81	29.99	50
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>	107.0	98.0	NS
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%	0.022	0.019	1

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

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

Reviewed & Authorized Signatory



*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-14

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
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	:	FEBRUARY-2026
11	Date of Sample Received	:	14.02.2026 & 24.02.2026
12	Date of Sample Analysis	:	16.02.2026 & 25.02.2026
13	Date of Sample Analysis completion	:	16.02.2026 & 25.02.2026
14	Report Issued Date	:	04.03.2026
15	Report Number	:	ULR-TC1723126000000222F

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				13.02.2026	23.02.2026	
	Date of Sample Collected			215	313	
	Sample Code					
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	176	178	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	6.66	6.38	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	17.22	19.92	50
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>	398.0	366.0	NS
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%	0.251	0.148	1

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-15

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works,
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (1st Fort Night)-**
- 10 Date of Sample Received : -
- 11 Date of Sample Analysis : -
- 12 Date of Sample Analysis completion : -
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : -

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

Sl. No	Induction Furnace 1 & 2	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
1	Induction Furnace 1	-	-
2	Induction Furnace 2	-	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-16  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Rolling Mill Reheating furnace-</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	-
12	Date of Sample Analysis	:	-
13	Date of Sample Analysis completion	:	-
14	Report Issued Date	:	<b>04.03.2026</b>
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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				-	-	
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	-	-	
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	-	-	
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	<b>Shut down</b>	<b>Shut down</b>	<b>50</b>
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>			<b>NS</b>
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%			<b>1</b>

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-17

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>AFBC Boiler ESP (25 MW Power Plant)-</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	-
12	Date of Sample Analysis	:	-
13	Date of Sample Analysis completion	:	-
14	Report Issued Date	:	<b>04.03.2026</b>
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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				-	-	
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	-	-	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	-	-	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	<b>Shut down</b>	<b>Shut down</b>	<b>50</b>
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>			<b>NS</b>
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%			<b>1</b>

Note: NS- Not Specified. RA: Reaffirmed,

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
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TC-17231

ANNEXURE-18

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : FEBRUARY-2026 (1st Fort Night)
- 10 Date of Sample Received : 11.02.2026
- 11 Date of Sample Analysis : 12.02.2026
- 12 Date of Sample Analysis completion : 12.02.2026
- 13 Report Issued Date : 04.03.2026
- 14 Report Number : ULR-TC1723126000000210F

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Beneficiation Plant - I</b>										
1	Iron Ore dump hopper	10.02.2026	143	-	34	4.99	30	0.4	12.79	50
2	Iron Ore Screen bin	10.02.2026	144	-	35	5.12	30	0.4	14.39	50

Sl. No	Beneficiation Plant	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
1	Iron Ore dump hopper	2258	-
2	Iron Ore Screen bin	2318	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-19

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	12.02.2026
11	Date of Sample Analysis	:	13.02.2026
12	Date of Sample Analysis completion	:	13.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC1723126000000215F</b>

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>RMHS</b>										
3	Screen, Coal Crusher (CPU)	11.02.2026	171	-	40	5.12	35	1.5	31.19	50
4	Main Crusher	11.02.2026	172	-	35	4.79	25	0.5	22.49	50

Sl. No	Beneficiation Plant	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
3	Screen, Coal Crusher (CPU)	32589	-
4	Main Crusher	3390	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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TC-17231

ANNEXURE-20

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (1st Fort Night)**
- 10 Date of Sample Received : 07.02.2026
- 11 Date of Sample Analysis : 09.02.2026
- 12 Date of Sample Analysis completion : 09.02.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **ULR-TC1723126000000199F**

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Pellet Plant -I</b>										
5	AGB Main Bag Filter	07.02.2026	101	-	35	4.69	6.5	0.50	13.35	50
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	07.02.2026	102	-	36	4.73	3.0	0.30	24.89	50
7	Bentonite Powder bin top bag filter	07.02.2026	103	-	34	4.81	3.0	0.30	20.36	50
8	H-4 Conveyor discharge bag filter	<b>Shutdown</b>	-	-	-	-	7.0	0.50	-	50
9	P-1 Bag Filter	07.02.2026	104	-	38	5.29	7.0	0.50	25.80	50

Sl. No	Pellet Plant	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
5	AGB Main Bag Filter	3318	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	1204	-
7	Bentonite Powder bin top bag filter	1223	-
8	H-4 Conveyor discharge bag filter	-	-
9	P-1 Bag Filter	3737	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-21

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- |    |                                    |   |  |
|----|------------------------------------|---|--|
| 1  | Name of the Industry               | : | BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  |
| 2  | Customer Reference                 | : | WORKORDER NO.. 4500004504 Dated 09.01.2026                       |
| 3  | Sample collected by                | : | Shri Krishna Aqua Engineering Works                              |
| 4  | Particulars of sample collected    | : | Stack Sampler<br>Sl. No: PT-25/2019                              |
| 5  | Instrument Details                 | : | Calibration Date: 15.09.2025<br>Calibration Due Date: 14.09.2026 |
| 6  | Discipline                         | : | Chemical   |
| 7  | Group                              | : | Atmospheric Pollution  |
| 8  | Sample Type                        | : | Stack Monitoring   |
| 9  | Month of Sampling                  | : | <b>FEBRUARY-2026 (1st Fort Night)</b>                            |
| 10 | Date of Sample Received            | : | 09.02.2026   |
| 11 | Date of Sample Analysis            | : | 10.02.2026   |
| 12 | Date of Sample Analysis completion | : | 10.02.2026   |
| 13 | Report Issued Date                 | : | <b>04.03.2026</b>  |
| 14 | Report Number                      | : | <b>ULR-TC1723126000000200F</b>                                   |

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>2 X 100 TPD Sponge Iron Kiln 1 &amp; 2</b>										
10	Cooler-1 Discharge & Blending Chute	07.02.2026	106	---	34	4.84	30	1.20	21.84	<b>50</b>
11	Cooler-2 Discharge	07.02.2026	107	---	35	4.95	30	1.20	26.38	<b>50</b>
12	Intermediate Bin & Blending	07.02.2026	108	---	36	5.26	30	1.20	22.00	<b>50</b>
13	Product House	07.02.2026	109	---	35	5.07	30	1.20	23.45	<b>50</b>

Sl. No	2 X 100 TPD Sponge Iron Kiln 1 & 2	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
10	Cooler-1 Discharge & Blending Chute	19692	-
11	Cooler-2 Discharge	20145	-
12	Intermediate Bin & Blending	21427	-
13	Product House	20628	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-22

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (2<sup>nd</sup>Fort Night)</b>
10	Date of Sample Received	:	-
11	Date of Sample Analysis	:	-
12	Date of Sample Analysis completion	:	-
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	-

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

Sl. No	Induction Furnance 1 & 2	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
1	Induction Furnance 1	-	-
2	Induction Furnance 2	-	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-23

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**
- 10 Date of Sample Received : 02.03.2026
- 11 Date of Sample Analysis : 03.03.2026
- 12 Date of Sample Analysis completion : 03.03.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **ULR-TC172312600000250F**

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Beneficiation Plant</b>										
1	Iron Ore dump hopper	28.02.2026	376	---	34	4.89	30	0.4	16.83	50
2	Iron Ore Screen bin	28.02.2026	377	---	35	5.18	30	0.4	13.93	50

Sl. No	Beneficiation Plant	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
1	Iron Ore dump hopper	2213	-
2	Iron Ore Screen bin	2342	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-24

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (2nd Fort Night)</b>
10	Date of Sample Received	:	24.02.2026
11	Date of Sample Analysis	:	25.02.2026
12	Date of Sample Analysis completion	:	26.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC1723126000000234F</b>

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>RMHS</b>										
3	Screen, Coal Crusher(CPU)	23.02.2026	315	-	37	4.85	30	1.50	37.63	50
4	Main Crusher	23.02.2026	316	-	37	4.77	25	0.50	14.09	50

Sl. No	Beneficiation Plant	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
3	Screen, Coal Crusher (CPU)	30867	-
4	Main Crusher	3373	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

## ANNEXURE-25

Format No: SKAEW/7.8/RF/C/04

### Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**
- 10 Date of Sample Received : 18.02.2026 & 19.02.2026
- 11 Date of Sample Analysis : 19.02.2026 & 20.02.2026
- 12 Date of Sample Analysis completion : 19.02.2026 & 20.02.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **ULR-TC1723126000000228F**

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Pellet Plant-I</b>										
5	AGB Main Bag Filter	17.02.2026	253	---	34	5.02	6.5	0.50	20.14	50
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	17.02.2026	254	---	35	4.70	3.0	0.30	18.20	50
7	Bentonite Powder bin top bag filter	17.02.2026	255	---	36	4.83	3.0	0.30	22.07	50
8	H-4 Conveyor discharge bag filter	<b>SHUTDOWN</b>	-	---	-	-	7.0	0.50	-	50
9	P-1 Bag Filter	18.02.2026	258	---	32	4.85	7.0	0.50	31.02	50

Sl. No	Pellet Plant	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
5	AGB Main Bag Filter	3547	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	1197	-
7	Bentonite Powder bin top bag filter	1229	-
8	H-4 Conveyor discharge bag filter	-	-
9	P-1 Bag Filter	3428	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-26

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**
- 10 Date of Sample Received : 27.02.2026
- 11 Date of Sample Analysis : 28.02.2026
- 12 Date of Sample Analysis completion : 28.02.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **ULR-TC1723126000000248F**

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/N m <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>2 X 100 TPD Sponge Iron Kiln 1 &amp; 2</b>										
10	Cooler-1 Discharge & Blending Chute	26.02.2026	364	---	37	4.79	30	1.20	27.52	50
11	Cooler-2 Discharge	26.02.2026	365	---	38	4.71	30	1.20	29.05	50
12	Intermediate Bin & Blending	26.02.2026	366	---	35	4.65	30	1.20	29.89	50
13	Product House	26.02.2026	367	---	36	5.17	30	1.20	27.57	50

Sl. No	2 X 100 TPD Sponge Iron Kiln 1 & 2	Gas flow Discharge rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
10	Cooler-1 Discharge & Blending Chute	19495	-
11	Cooler-2 Discharge	19196	-
12	Intermediate Bin & Blending	18945	-
13	Product House	21067	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

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TC-17231

ANNEXURE-47

Format No: SKAEW/7.8/RF/C/02

## NOISE LEVEL MONITORING REPORT

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Noise Level Monitoring  
Particulars of Sample Collected : Sound Level Meter  
Make : Kusam Mecco , Model: KM929MK1  
Instrument Details : Date of Calibration: 09.09.2025  
Calibration Due Date:08.09.2026  
Month : FEBRUARY-2026  
Report Issue Date : 04.03.2026  
Method Adopted : IS 9989-1981 Reaffirmed 2023  
Report No : ULR-TC1723126000000204F

Sl. No	Location	Date of Sample Collected	Noise Level dB (A)		Standard
			Day Time		
			Min	Max	
1	Main Gate	09.02.2026	50.6	55.0	75
2	BF Blower House Entrance	09.02.2026	61.1	69.6	75
3	Transit House	09.02.2026	49.7	54.2	75
4	BF-7th Gate	10.02.2026	43.9	48.3	75
5	Gunda Road	10.02.2026	50.0	56.2	75
6	Gunda Railway Station	10.02.2026	46.4	49.2	75
7	Bagging Shed	11.02.2026	48.7	51.4	75
8	Railway Siding	11.02.2026	59.0	62.3	75
9	SMS-Vibro Feeders	11.02.2026	66.8	69.4	75
10	Bricks Plant	12.02.2026	62.6	68.8	75
11	Kempuhalla (Wagon Tippler)	12.02.2026	48.2	55.6	75
12	Danapura Bridge	12.02.2026	60.2	68.1	75
13	2nd Gate	13.02.2026	49.9	59.6	75
14	MBM-Scale pit	13.02.2026	63.1	69.4	75
15	Dispatch (Truck Parking Area)	14.02.2026	62.9	66.0	75

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

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

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-48

Format No: SKAEW/7.8/RF/C/02

## NOISE LEVEL MONITORING REPORT

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Noise Level Monitoring  
Particulars of Sample Collected : Sound Level Meter  
Make : Kusam Meco , Model: KM929MK1  
Instrument Details : Date of Calibration: 09.09.2025  
Calibration Due Date:08.09.2026  
Month : FEBRUARY-2026  
Report Issue Date : 04.03.2026  
Method Adopted : IS 9989-1981 Reaffirmed 2023  
Report No : ULR-TC1723126000000227F

Sl. No	Location	Date of Sample Collected	Noise Level dB (A)		
			Day Time		Standard
			Min	Max	
1	Main Gate	16.02.2026	50.2	54.6	75
2	BF Blower house entrance	16.02.2026	61.4	68.8	75
3	Transit House	17.02.2026	47.2	56.0	75
4	BF-7th gate	17.02.2026	42.4	49.3	75
5	Gunda Road	18.02.2026	50.9	55.6	75
6	Gunda Railway Station	18.02.2026	45.8	48.6	75
7	Bagging Shed	19.02.2026	48.2	55.4	75
8	Railway Siding	19.02.2026	59.4	64.2	75
9	SMS-Vibro feeders	20.02.2026	63.3	69.2	75
10	Bricks Plant	21.02.2026	60.3	69.8	75
11	Kempuhalla (Wagon Tippler)	21.02.2026	48.8	51.6	75
12	Danapura Bridge	21.02.2026	61.8	66.8	75
13	2nd Gate	23.02.2026	47.6	52.4	75
14	MBM Scale pit	23.02.2026	61.2	70.2	75
15	Dispatch (Truck Parking Area)	23.02.2026	61.4	64.6	75

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

<b>INFERENCE</b>	<b>As per CPCB Standards, Report Status: - Measured Values for the above parameters are within the limit.</b>
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**\*\*End of the Report\*\***



Reviewed & Authorized Signatory

*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-49

Format No: SKAEW/7.8/RF/C/02

## AMBIENT NOISE LEVEL MONITORING REPORT

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Noise Level Monitoring  
Particulars of Sample Collected : Sound Level Meter  
Make : Kusam Meco , Model: KM929MK1  
Instrument Details : Date of Calibration: 09.09.2025  
Calibration Due Date:08.09.2026  
Month : FEBRUARY-2026  
Report Issue Date : 04.03.2026  
Method Adopted : IS 9989-1981 Reaffirmed 2023  
Report No : ULR-TC172312600000205F

Sl. No	Location	Date of Sample Collected	Noise Level dB (A)							
			Day Time			Standard	Night Time			Standard
			Min	Max	Avg		Min	Max	Avg	
1	Danapur Village	09.02.2026	43.1	58.3	50.94	55	36.8	43.1	39.96	45
2	Mariyammana Halli	10.02.2026	41.2	58.2	50.54		40.6	43.5	41.71	
3	Hanumana Halli	11.02.2026	41.6	59.2	52.21		35.5	44.1	42.31	
4	Galemmanagudi	12.02.2026	44.1	57.8	52.31		41.6	44.1	43.10	
5	G. Nagalapura Village	13.02.2026	39.8	53.8	49.41		39.1	43.9	40.95	
6	Gunda Tanda Village	14.02.2026	40.2	53.6	50.20		38.6	43.2	40.58	

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

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

### 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

Reviewed & Authorized Signatory



*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-50  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	333
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	ULR-TC1723126000000235F

## 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	IS 3025 Part 11: 2022	-	7.53	6.5 to 8.5	NR
2.	Conductivity	IS 3025 Part 14: 2013(RA : 2023 )	µS/cm	3460	-	-
3.	Total Dissolved Solids	IS 3025 Part 16: 2023	mg/L	1710	500max	2000 max
4.	Turbidity (NTU)	IS 3025 Part 10: 2023	NTU	1	1 max	5max
5.	Total Suspended Solids	IS 3025 Part 15: 2023	mg/L	17.2	-	-
6.	Sulphate as SO <sub>4</sub>	IS 3025 Part 24 Sec 1: 2022	mg/L	220.11	200max	400max
7.	Phosphorus as P	IS 3025 Part 31 Sec 1: 2022	mg/L	BDL(<0.1)	-	-
8.	Sodium as Na	IS 3025 Part 45: 2024	mg/L	456.4	-	-
9.	Potassium as K	IS 3025 Part 45: 2024	mg/L	2.48	-	-
10.	Calcium as Ca	IS 3025 Part 40: 2024	mg/L	115	75max	200max
11.	Magnesium as Mg	IS 3025 Part 46: 2023	mg/L	30.13	30max	100max
12.	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21: 2009	mg/L	567	200max	600max
13.	Chloride as Cl	IS 3025 Part 32: 2025	mg/L	187.46	250max	1000 max
14.	Fluoride as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	1.19	1 max	1.5 max
15.	Nitrate as NO <sub>3</sub> -N	IS 3025 Part 34 Sec 1: 2023	mg/L	1.10	45max	NR

### Note:

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

## ANNEXURE-50

16.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 Part 23: 2023	mg/L	<b>424</b>	200max	600max
17.	Acidity as CaCO <sub>3</sub>	IS 3025 Part 22: 2024	mg/L	<b>40</b>	-	-
18.	Total Iron as Fe	IS 3025 Part 53: 2024	mg/L	<b>0.56</b>	0.30max	NR
19.	Chromium as Cr	IS 3025 Part 52: 2003(RA : 2023)	mg/L	<b>0.08</b>	0.05 max	NR
20.	Colour	IS 3025 Part 4: 2021	Hazen	<b>1</b>	5max	15max

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

<b>INFERENCE</b>	<b>As per Standards IS: 10500:2012</b> <b>Report Status: - Measured Values for the above parameters are within the limits.</b>
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**\*\*End of the Report\*\***



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-51

Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>334</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC172312600000236F</b>

## 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	IS 3025 Part 11: 2022	-	7.73	6.5 to 8.5	NR
2.	Conductivity	IS 3025 Part 14: 2013(RA : 2023 )	µS/cm	3710	-	-
3.	Total Dissolved Solids	IS 3025 Part 16: 2023	mg/L	1880	500max	2000 max
4.	Turbidity (NTU)	IS 3025 Part 10: 2023	NTU	1	1 max	5max
5.	Total Suspended Solids	IS 3025 Part 15: 2023	mg/L	BDL(<2.0)	-	-
6.	Sulphate as SO <sub>4</sub>	IS 3025 Part 24 Sec 1: 2022	mg/L	261.56	200max	400max
7.	Phosphorus as P	IS 3025 Part 31 Sec 1: 2022	mg/L	0.42	-	-
8.	Sodium as Na	IS 3025 Part 45: 2024	mg/L	311.4	-	-
9.	Potassium as K	IS 3025 Part 45: 2024	mg/L	3.19	-	-
10.	Calcium as Ca	IS 3025 Part 40: 2024	mg/L	83.2	75max	200max
11.	Magnesium as Mg	IS 3025 Part 46: 2023	mg/L	95.74	30max	100max
12.	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21: 2009	mg/L	564.25	200max	600max
13.	Chloride as Cl	IS 3025 Part 32: 2025	mg/L	417.67	250max	1000 max
14.	Fluoride as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	1.22	1 max	1.5 max

### Note:

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



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TC-17231

## ANNEXURE-51

15.	Nitrate as NO <sub>3</sub> -N	IS 3025 Part 34 Sec 1: 2023	mg/L	<b>1.01</b>	45max	NR
16.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 Part 23: 2023	mg/L	<b>436</b>	200max	600max
17.	Acidity as CaCO <sub>3</sub>	IS 3025 Part 22: 2024	mg/L	<b>148</b>	-	-
18.	Total Iron as Fe	IS 3025 Part 53: 2024	mg/L	<b>0.67</b>	0.30max	NR
19.	Chromium as Cr	IS 3025 Part 52: 2003(RA : 2023)	mg/L	<b>0.07</b>	0.05 max	NR
20.	Colour	IS 3025 Part 4: 2021	Hazen	<b>1</b>	5max	15max

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

### INFERENCE

As per Standards IS: 10500:2012

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

### Note:

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



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TC-17231

ANNEXURE-52  
Format No: SKAEW/7.8/RF/C/08

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	335
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	ULR-TC172312600000237F

## 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	IS 3025 Part 11: 2022	-	8.01	6.5 to 8.5	NR
2.	Conductivity	IS 3025 Part 14: 2013(RA : 2023 )	µS/cm	2810	-	-
3.	Total Dissolved Solids	IS 3025 Part 16: 2023	mg/L	1400	500max	2000 max
4.	Turbidity (NTU)	IS 3025 Part 10: 2023	NTU	1	1 max	5max
5.	Total Suspended Solids	IS 3025 Part 15: 2023	mg/L	25.5	-	-
6.	Sulphate as SO <sub>4</sub>	IS 3025 Part 24 Sec 1: 2022	mg/L	136.14	200max	400max
7.	Phosphorus as P	IS 3025 Part 31 Sec 1: 2022	mg/L	BDL(<0.1)	-	-
8.	Sodium as Na	IS 3025 Part 45: 2024	mg/L	207	-	-
9.	Potassium as K	IS 3025 Part 45: 2024	mg/L	10.14	-	-
10.	Calcium as Ca	IS 3025 Part 40: 2024	mg/L	92	75max	200max
11.	Magnesium as Mg	IS 3025 Part 46: 2023	mg/L	69.59	30max	100max
12.	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21: 2009	mg/L	580.75	200max	600max
13.	Chloride as Cl	IS 3025 Part 32: 2025	mg/L	388.53	250max	1000 max
14.	Fluoride as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	0.28	1 max	1.5 max

### Note:

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-52						
15.	Nitrate as NO <sub>3</sub> -N	IS 3025 Part 34 Sec 1: 2023	mg/L	<b>0.84</b>	45max	NR
16.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 Part 23: 2023	mg/L	<b>440</b>	200max	600max
17.	Acidity as CaCO <sub>3</sub>	IS 3025 Part 22: 2024	mg/L	<b>30</b>	-	-
18.	Total Iron as Fe	IS 3025 Part 53: 2024	mg/L	<b>BDL(&lt;0.1)</b>	0.30max	NR
19.	Chromium as Cr	IS 3025 Part 52: 2003(RA : 2023)	mg/L	<b>0.06</b>	0.05 max	NR
20.	Colour	IS 3025 Part 4: 2021	Hazen	<b>1</b>	5max	15max

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

<b>INFERENCE</b>	<b>As per Standards IS: 10500:2012</b> <b>Report Status: - Measured Values for the above parameters are beyond the limits.</b>
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**\*\*End of the Report\*\***



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.  
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TC-17231

ANNEXURE-53

Format No: SKAEW/7.8/RF/C/08

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>336</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC172312600000238F</b>

## 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	IS 3025 Part 11: 2022	-	7.75	6.5 to 8.5	NR
2.	Conductivity	IS 3025 Part 14: 2013(RA : 2023 )	µS/cm	3520	-	-
3.	Total Dissolved Solids	IS 3025 Part 16: 2023	mg/L	1780	500max	2000 max
4.	Turbidity (NTU)	IS 3025 Part 10: 2023	NTU	1	1 max	5max
5.	Total Suspended Solids	IS 3025 Part 15: 2023	mg/L	4	-	-
6.	Sulphate as SO <sub>4</sub>	IS 3025 Part 24 Sec 1: 2022	mg/L	136.26	200max	400max
7.	Phosphorus as P	IS 3025 Part 31 Sec 1: 2022	mg/L	0.13	-	-
8.	Sodium as Na	IS 3025 Part 45: 2024	mg/L	434.2	-	-
9.	Potassium as K	IS 3025 Part 45: 2024	mg/L	2.31	-	-
10.	Calcium as Ca	IS 3025 Part 40: 2024	mg/L	155.2	75max	200max
11.	Magnesium as Mg	IS 3025 Part 46: 2023	mg/L	27.21	30max	100max
12.	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21: 2009	mg/L	500	200max	600max
13.	Chloride as Cl	IS 3025 Part 32: 2025	mg/L	403.10	250max	1000 max
14.	Fluoride as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	0.39	1 max	1.5 max

### Note:

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

## ANNEXURE53

15.	Nitrate as NO <sub>3</sub> -N	IS 3025 Part 34 Sec 1: 2023	mg/L	<b>1.54</b>	45max	NR
16.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 Part 23: 2023	mg/L	<b>500</b>	200max	600max
17.	Acidity as CaCO <sub>3</sub>	IS 3025 Part 22: 2024	mg/L	<b>90</b>	-	-
18.	Total Iron as Fe	IS 3025 Part 53: 2024	mg/L	<b>0.58</b>	0.30max	NR
19.	Chromium as Cr	IS 3025 Part 52: 2003(RA : 2023)	mg/L	<b>0.04</b>	0.05 max	NR
20.	Colour	IS 3025 Part 4: 2021	Hazen	<b>1</b>	5max	15max

**Note: GW4:** Mariyammanahalli Village. **NR**-No relaxation

<b>INFERENCE</b>	<b>As per Standards IS: 10500:2012</b> <b>Report Status: - Measured Values for the above parameters are within the limit.</b>
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**\*\*End of the Report\*\***



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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TC-17231

ANNEXURE-54  
Format No: SKAEW/7.8/RF/C/08

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>337</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC1723126000000239F</b>

## 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	IS 3025 Part 11: 2022	-	<b>8.22</b>	6.5 to 8.5	NR
2.	Conductivity	IS 3025 Part 14: 2013(RA : 2023 )	µS/cm	<b>756</b>	-	-
3.	Total Dissolved Solids	IS 3025 Part 16: 2023	mg/L	<b>389</b>	500max	2000 max
4.	Turbidity (NTU)	IS 3025 Part 10: 2023	NTU	<b>1</b>	1 max	5max
5.	Total Suspended Solids	IS 3025 Part 15: 2023	mg/L	<b>BDL(&lt;2.0)</b>	-	-
6.	Sulphate as SO <sub>4</sub>	IS 3025 Part 24 Sec 1: 2022	mg/L	<b>42.28</b>	200max	400max
7.	Phosphorus as P	IS 3025 Part 31 Sec 1: 2022	mg/L	<b>0.18</b>	-	-
8.	Sodium as Na	IS 3025 Part 45: 2024	mg/L	<b>54.52</b>	-	-
9.	Potassium as K	IS 3025 Part 45: 2024	mg/L	<b>8.91</b>	-	-
10.	Calcium as Ca	IS 3025 Part 40: 2024	mg/L	<b>45.6</b>	75max	200max
11.	Magnesium as Mg	IS 3025 Part 46: 2023	mg/L	<b>7.29</b>	30max	100max
12.	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21: 2009	mg/L	<b>144</b>	200max	600max
13.	Chloride as Cl	IS 3025 Part 32: 2025	mg/L	<b>70.90</b>	250max	1000 max
14.	Fluoride as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	<b>0.27</b>	1 max	1.5 max

### Note:

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TC-17231

## ANNEXURE-54

15.	Nitrate as NO <sub>3</sub> -N	IS 3025 Part 34 Sec 1: 2023	mg/L	<b>0.66</b>	45max	NR
16.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 Part 23: 2023	mg/L	<b>184</b>	200max	600max
17.	Acidity as CaCO <sub>3</sub>	IS 3025 Part 22: 2024	mg/L	<b>54</b>	-	-
18.	Total Iron as Fe	IS 3025 Part 53: 2024	mg/L	<b>0.73</b>	0.30max	NR
19.	Chromium as Cr	IS 3025 Part 52: 2003(RA : 2023)	mg/L	<b>0.06</b>	0.05 max	NR
20.	Colour	IS 3025 Part 4: 2021	Hazen	<b>1</b>	5max	15max

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

<b>INFERENCE</b>	<b>As per Standards IS: 10500:2012</b> <b>Report Status: - Measured Values for the above parameters are within the limit.</b>
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**\*\*End of the Report\*\***



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
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TC-17231

ANNEXURE-55  
Format No: SKAEW/7.8/RF/C/08

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026 - 450000125
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>338</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC1723126000000240F</b>

## 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	IS 3025 Part 11: 2022	-	7.63	6.5 to 8.5	NR
2.	Conductivity	IS 3025 Part 14: 2013(RA : 2023 )	µS/cm	2700	-	-
3.	Total Dissolved Solids	IS 3025 Part 16: 2023	mg/L	1350	500max	2000 max
4.	Turbidity (NTU)	IS 3025 Part 10: 2023	NTU	1	1 max	5max
5.	Total Suspended Solids	IS 3025 Part 15: 2023	mg/L	28	-	-
6.	Sulphate as SO <sub>4</sub>	IS 3025 Part 24 Sec 1: 2022	mg/L	115.78	200max	400max
7.	Phosphorus as P	IS 3025 Part 31 Sec 1: 2022	mg/L	BDL(<0.1)	-	-
8.	Sodium as Na	IS 3025 Part 45: 2024	mg/L	270.7	-	-
9.	Potassium as K	IS 3025 Part 45: 2024	mg/L	4.24	-	-
10.	Calcium as Ca	IS 3025 Part 40: 2024	mg/L	136	75max	200max
11.	Magnesium as Mg	IS 3025 Part 46: 2023	mg/L	61.72	30max	100max
12.	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21: 2009	mg/L	390	200max	600max
13.	Chloride as Cl	IS 3025 Part 32: 2025	mg/L	339.96	250max	1000 max
14.	Fluoride as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	0.18	1 max	1.5 max

### Note:

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
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4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

## ANNEXURE-55

15.	Nitrate as NO <sub>3</sub> -N	IS 3025 Part 34 Sec 1: 2023	mg/L	<b>1.18</b>	45max	NR
16.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 Part 23: 2023	mg/L	<b>450</b>	200max	600max
17.	Acidity as CaCO <sub>3</sub>	IS 3025 Part 22: 2024	mg/L	<b>24</b>	-	-
18.	Total Iron as Fe	IS 3025 Part 53: 2024	mg/L	<b>0.10</b>	0.30max	NR
19.	Chromium as Cr	IS 3025 Part 52: 2003(RA : 2023)	mg/L	<b>0.03</b>	0.05 max	NR
20.	Colour	IS 3025 Part 4: 2021	Hazen	<b>1</b>	5max	15max

**Note: GW6:** G NagalapuraVillage. **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\*\***



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

### Note:

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TC-17231

ANNEXURE-56  
Format No: SKAEW/7.8/RF/C/08

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical
6	Group	:	Water
7	Sample Type	:	RO Drinking Water
8	Sample Code	:	339
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	ULR-TC1723126000000241F

## 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 @ 25 °C	IS 3025 Part 11: 2022	-	8.24	6.5 to 8.5	NR
2.	Electrical Conductivity @ 25 °C	IS 3025 Part 14: 2013(RA : 2023 )	µS/cm	411	-	-
3.	Total Dissolved Solids	IS 3025 Part 16: 2023	mg/L	202	500max	2000 max
4.	Total Solids	IS 3025 Part 15: 2023	mg/L	BDL(<2)	-	-
5.	Sulphate as SO <sub>4</sub>	IS 3025 Part 24 Sec 1: 2022	mg/L	23.97	200max	400max
6.	Sodium as Na	IS 3025 Part 45: 2024	mg/L	3.36	-	-
7.	Potassium as K	IS 3025 Part 45: 2024	mg/L	1.48	-	-
8.	Calcium as Ca	IS 3025 Part 40: 2024	mg/L	24.8	75max	200max
9.	Magnesium as Mg	IS 3025 Part 46: 2023	mg/L	5.34	30max	100max
10.	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21: 2009	mg/L	84	200max	600max
11.	Chloride as Cl	IS 3025 Part 32: 2025	mg/L	29.13	250max	1000 max
12.	Fluoride as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	0.30	1 max	1.5 max
13.	Nitrate as NO <sub>3</sub> -N	IS 3025 Part 34 Sec 1: 2023	mg/L	0.87	45max	NR
14.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 Part 23: 2023	mg/L	128	200max	600max

### Note:

- All results pertain to the sample received and tested only.
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TC-17231

## ANNEXURE-56

15	Acidity as CaCO <sub>3</sub>	IS 3025 Part 22: 2024	mg/L	0.00	-	-
16	Total Iron as Fe	IS 3025 Part 53: 2024	mg/L	<b>0.56</b>	0.30max	NR
17.	Chromium as Cr	IS 3025 Part 52: 2003(RA : 2023)	mg/L	<b>ND</b>	0.05 max	NR
18.	Colour	IS 3025 Part 4: 2021	Hazen	<b>1</b>	5max	15max
19.	Residual chlorine	IS 3025 Part 26: 2021	mg/L	<b>0.00</b>	0.2max	1.0max
20.	Boron as B	IS 3025 Part 57: 2021	mg/L	<b>0.19</b>	0.5max	1.0

**Note: W6:** RO Drinking Water. **NR**-No relaxation. **ND**-Not Detectable. RA: Reaffirmed Year

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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2. Samples are Retained for 15 days after issue of test reports.
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TC-17231

ANNEXURE-57  
Format No: SKAEW/7.8/RF/C/06

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Discipline	:	Chemical
6	Group	:	Pollution & Environment
7	Sample Type	:	<b>Sewage Treatment Plant (Outlet)</b>
8	Date of Sampling	:	25.02.2026
9	Sample Received	:	26.02.2026
10	Date of Analysis	:	26.02.2026
11	Date of Analysis Completion	:	03.03.2026
12	Report Issue Date	:	<b>04.03.2026</b>

Sl. No.	Parameters	Protocol	Unit	Results			As per KSPCB Std	
				STP 45 KLD I	STP-1 90 KLD II	STP-2 90 KLD III		
Sample code				-	340	341	342	
1.	pH @ 25 °C	IS 3025 Part 11: 2022	-	7.62	7.69	7.68	6.5 to 8.5	
2.	Colour	IS 3025 Part 4: 2021	Hazen	2	3	2		
3.	Total Suspended Solids	IS 3025 Part 17: 2022	mg/L	18.55	BDL(<2.0)	17.85	<20	
4.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 PART 44: 2023	mg/L	8	9	9.72	<10	
5.	Chemical Oxygen Demand as COD	IS 3025 Part 58: 2023	mg/L	39.6	38.88	38.88	<50	
6.	Oil & Grease	IS 3025 Part 39: 2021	mg/L	9.66	8.3	8.15	10	
7.	Kjeldhal Nitrogen	IS 3025 Part 34 Sec 1: 2023	mg/L	0.84	0.42	1.26	5	
8	Chromium hexavalent as Cr+6	IS 3025 Part 52: 2003 (Reaffirmed Year : 2023)	mg/L	0.09	0.05	0.06	-	

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

I-STP 45 KLD – Near Fortivia **Report Number: ULR-TC172312600000242F**

II-STP-1 90 KLD –Near ISP Area **Report Number: ULR-TC172312600000251F**

III- STP-2 90 KLD –Near Gunda Guest House **Report Number: ULR-TC172312600000252F**

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

Reviewed & Authorized Signatory



*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.  
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TC-17231

ANNEXURE-58

Format No: SKAEW/7.8/RF/C/06

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Discipline	:	Chemical
6	Group	:	Pollution & Environment
7	Sample Type	:	<b>Waste Water</b>
8	Date of Sampling	:	25.02.2026
9	Sample Received	:	26.02.2026
10	Date of Analysis	:	26.02.2026
11	Date of Analysis Completion	:	03.03.2026
12	Report Issue Date	:	<b>04.03.2026</b>
13	Report Number	:	<b>ULR-TC1723126000000243F</b>

### 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				343	344	
1.	pH @ 25 °C	IS 3025 Part 11: 2022	-	8.25	7.79	6.5 to 9.0
2.	Total Suspended Solids	IS 3025 Part 17: 2022	mg/L	26	6	100
3.	Chemical Oxygen Demand as COD	IS 3025 Part 58: 2023	mg/L	BDL(<4.0)	BDL(<4.0)	250
4.	Oil & Grease	IS 3025 Part 39: 2021	mg/L	4	6	10

**Note:** BDL-Below detectable Limit.

**INFERENCE:** The Measured values are within the Limit.

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



Reviewed & Authorized Signatory

*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-59

Format No: SKAEW/7.8/RF/C/10

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Discipline	:	Chemical
6	Group	:	Pollution & Environment
7	Sample Type	:	<b>Surface Water</b>
8	Date of Sampling	:	25.02.2026
9	Sample Received	:	26.02.2026
10	Date of Analysis	:	26.02.2026
11	Date of Analysis Completion	:	03.03.2026
12	Report Issue Date	:	<b>04.03.2026</b>
13	Report Number	:	<b>ULR-TC1723126000000244F</b>

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				Danayakanakere Upstream	Danayakanakere Downstream	
Sample code				345	346	
1.	pH @ 25 °C	IS 3025 Part 11: 2022	-	7.96	8.12	6.5-8.5
2.	Color	IS 3025 Part 4: 2021		<5	<5	300
3.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 Part 44: 2023	mg/L	0.0	0.0	3.0
4	Fluorides as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	0.15	0.95	1.3
5	Dissolved Oxygen	IS 3025 Part 38: 2025	mg/L	5.2	5.4	>5
6	Chromium hexavalent as Cr+6	IS 3025 Part 52: 2003 (Reaffirmed Year : 2023)	mg/L	0.02	0.04	1.0

INFERENCE: The measured values are within the Limit

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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TC-17231

ANNEXURE-60

Format No: SKAEW/7.8/RF/C/10

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Discipline	:	Chemical
6	Group	:	Pollution & Environment
7	Sample Type	:	<b>Surface Water</b>
8	Date of Sampling	:	25.02.2026
9	Sample Received	:	26.02.2026
10	Date of Analysis	:	26.02.2026
11	Date of Analysis Completion	:	03.03.2026
12	Report Issue Date	:	<b>04.03.2026</b>
13	Report Number	:	<b>ULR-TC1723126000000245F</b>

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				KempuHalla Upstream	KempuHalla Downstream	
Sample code				347	348	
1.	pH @ 25 °C	IS 3025 Part 11: 2022	-	8.26	8.41	6.5-8.5
2.	Color	IS 3025 Part 4: 2021		1	1	300
3.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 Part 44: 2023	mg/L	0.0	0.0	3.0
4	Fluorides as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	0.22	0.15	1.3
5	Dissolved Oxygen	IS 3025 Part 38: 2025	mg/L	5.1	5.3	>5
6	Chromium hexavalent as Cr+6	IS 3025 Part 52: 2003 (Reaffirmed Year : 2023)	mg/L	0.06	0.04	1.0

**INFERENCE:** The measured values are within the Limit

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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TC-17231

ANNEXURE-61

Format No: SKAEW/7.8/RF/C/10

## 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.. 4500004504 Dated 09.01.2026
3	Sample collected by	: Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	: Composite Sampling
5	Discipline	: Chemical/Biological
6	Group	: Pollution & Environment
7	Sample Type	: <b>Surface Water</b>
8	Date of Sampling	: 25.02.2026
9	Sample Received	: 26.02.2026
10	Date of Analysis	: 26.02.2026
11	Date of Analysis Completion	: 03.03.2026
12	Report Issue Date	: <b>04.03.2026</b>
13	Report Number	: <b>ULR-TC1723126000000246F</b>

Sl. No.	Parameters	Protocol	Unit	Results	IS 2296 -1982 CLASS -B
				Tungabhadra dam	
				<b>Sample Code</b>	<b>349</b>
1.	pH @ 25 °C	IS 3025 Part 11: 2022	-	8.38	6.5-8.5
2.	Color	IS 3025 Part 4: 2021		1	300
3.	Biochemical Oxygen Demand as BOD (3 days at 27°C)	IS 3025 Part 44: 2023	mg/L	2.0	3.0
4.	Fluorides as F	APHA 24th Edition 4500-F-B, D: 2024	mg/L	0.23	1.5
5.	Total Dissolved Solids	IS 3025 Part 16: 2023	mg/L	277	-
6.	Dissolved Oxygen	IS 3025 Part 38: 2025	mg/L	5.2	>5
7.	Chromium hexavalent as Cr+6	IS 3025 Part 52: 2003 (Reaffirmed Year : 2023)	mg/L	0.04	1.0

**INFERENCE:** The measured values are within the Limit.

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



Reviewed & Authorized Signatory

*R-M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
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TC-17231

ANNEXURE-27  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Shri Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Pellet Plant-2 ESP</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	12.02.2026 & 17.02.2026
12	Date of Sample Analysis	:	13.02.2026 & 18.02.2026
13	Date Sample Analysis Completion	:	13.02.2026 & 18.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>ULR-TC172312600000216F</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				11.02.2026	16.02.2026	
	Date of Sample Collected			173	224	
	Sample Code					
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	59	61	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	5.39	5.54	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	30.04	32.17	50
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>	138.0	124.0	NS
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%	0.014	0.016	1%

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

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-28

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>SID Axis 3&amp;4</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	12.02.2026 & 20.02.2026
12	Date of Sample Analysis	:	13.02.2026 & 21.02.2026
13	Date Sample Analysis Completion	:	13.02.2026 & 21.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>ULR-TC1723126000000217F</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				11.02.2026	19.02.2026	
	Date of Sample Collected					
	Sample Code			174	265	
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	125	128	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	6.39	6.72	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	32.42	33.08	50
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>	298.0	314.0	NS
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%	0.051	0.048	1%

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

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-29  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>SID Axis 5&amp;6</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	12.02.2026 & 23.02.2026
12	Date of Sample Analysis	:	13.02.2026 & 23.02.2026
13	Date Sample Analysis Completion	:	13.02.2026 & 23.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>ULR-TC172312600000219F</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				12.02.2026	21.02.2026	
	Date of Sample Collected			196	301	
	Sample Code			128	132	-
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	6.12	6.49	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	34.32	33.35	50
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	204.0	281.0	NS
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>	0.153	0.153	1%
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%			

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



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TC-17231

ANNEXURE-30  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	1X70 MW-CFBC Boiler ESP
10	Month of Sampling	:	
11	Date of Sample Received	:	-
12	Date of Sample Analysis	:	-
13	Date Sample Analysis Completion	:	-
14	Report Issued Date	:	04.03.2026
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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				Date of Sample Collected	Sample Code	
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	Shutdown	Shutdown	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec			-
3	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr			-
4	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>			50
5	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>			NS
6	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%			1%

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

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

#### Note:

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- Samples are Retained for 15 days after issue of test reports.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

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TC-17231

ANNEXURE-31  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	2X70 MW CFBC Boiler ESP
10	Month of Sampling	:	FEBRUARY-2026
11	Date of Sample Received	:	10.02.2026 & 21.02.2026
12	Date of Sample Analysis	:	11.02.2026 & 23.02.2026
13	Date Sample Analysis Completion	:	11.02.2026 & 23.02.2026
14	Report Issued Date	:	04.03.2026
15	Report Number	:	ULR-TC172312600000207F

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				09.02.2026	20.02.2026	
	Date of Sample Collected			132	282	
	Sample Code			123	112	-
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	123	112	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	6.48	6.18	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	40.93	35.26	50
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>	37	32	600
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%	0.036	0.036	NS

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

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

#### Note:

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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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E-mail - radhabengeri@gmail.com, shrikrishnaaqua@gmail.com



TC-17231

ANNEXURE-32

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	SMS
10	Month of Sampling	:	FEBRUARY-2026
11	Date of Sample Received	:	10.02.2026 & 25.02.2026
12	Date of Sample Analysis	:	11.02.2026 & 26.02.2026
13	Date Sample Analysis Completion	:	11.02.2026 & 26.02.2026
14	Report Issued Date	:	04.03.2026
15	Report Number	:	ULR-TC172312600000202F

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				09.02.2026	24.02.2026	
	Date of Sample Collected					
	Sample Code			120	325	
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	81	76	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	5.70	6.41	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	19.16	29.91	50

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

ANNEXURE-33  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Barmill</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	11.02.2026 & 26.02.2026
12	Date of Sample Analysis	:	12.02.2026 & 27.02.2026
13	Date Sample Analysis Completion	:	12.02.2026 & 27.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>ULR-TC172312600000208F</b>

### 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 <sup>ST</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				10.02.2026	25.02.2026	
	Date of Sample Collected					
	Sample Code			137	330	
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	°C	112	125	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	6.13	5.96	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	15.54	16.13	50
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>	236	242	NS
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%	0.530	0.541	<1%

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

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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TC-17231

ANNEXURE-34  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Blast Furnance -Stove Waste Gas</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	11.02.2026 & 26.02.2026
12	Date of Sample Analysis	:	12.02.2026 & 27.02.2026
13	Date Sample Analysis Completion	:	12.02.2026 & 27.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>ULR-TC172312600000212F</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				10.02.2026	26.02.2026	
	Date of Sample Collected					
	Sample Code			155	358	
1	Stack Temperature	IS 11255 Part 3: 2008 (RA : 2018)	<sup>o</sup> C	131	158	-
2	Stack Velocity	IS 11255 Part 3: 2008 (RA : 2018)	m/sec	6.45	7.38	-
3	Particulate Matter	IS: 11255 (Part 1) - 1985 (RA 2019)	mg/Nm <sup>3</sup>	11.98	10.17	30.0
4	Sulphur Dioxide	IS: 11255 (Part 2): (RA 2014)	mg/Nm <sup>3</sup>	88.0	74.0	200
5	Carbon Monoxide	IS 13270 : 1992 (RA : 2019)	%	0.448	0.402	<1%

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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E-mail - radhabengeri@gmail.com, shrikrishnaaqua@gmail.com



TC-17231

ANNEXURE-35  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring(1 <sup>st</sup> Fort Night)
9	Month of Sampling	:	<b>FEBRUARY-2026</b>
10	Date of Sample Received	:	10.02.2026
11	Date of Sample Analysis	:	11.02.2026
12	Date Sample Analysis Completion	:	11.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC1723126000000206F</b>

## RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Beneficiation Plant-2</b>										
1	Iron Ore Cone Crusher	SHUTDOWN	-	---	-	-	30	1.20	-	50
2	Iron Ore Screening	09.02.2026	125	---	34	5.06	30	0.90	19.53	50

Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
1	Iron Ore Cone Crusher	-	-
2	Iron Ore Screening	11588	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

**INFERENCE:** The Measured Values are within the limits

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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TC-17231

## ANNEXURE-36

Format No: SKAEW/7.8/RF/C/04

### Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring(1 <sup>st</sup> Fort Night)
9	Month of Sampling	:	<b>FEBRUARY-2026</b>
10	Date of Sample Received	:	10.02.2026
11	Date of Sample Analysis	:	11.02.2026
12	Date Sample Analysis Completion	:	11.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC172312600000203F</b>

### RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Pellet Plant-II</b>										
3	AGB main bag Filter	09.02.2026	121	---	34	4.78	6.5	0.5	18.33	50
4	Lime & Bentonite Powder bin top bag filter	09.02.2026	122	---	35	4.64	6.5	0.5	16.07	50
5	AGB De dusting Bag Filter	<b>SHUTDOWN</b>	-	---	-	-	6	0.6	-	50

Sl. No	Pellet Plant	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
3	AGB main bag Filter	3376	-
4	Lime & Bentonite Powder bin top bag filter	3279	-
5	AGB De dusting Bag Filter	-	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

#### Note:

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TC-17231

## ANNEXURE-37

Format No: SKAEW/7.8/RF/C/04

### Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring(1 <sup>st</sup> Fort Night)
9	Month of Sampling	:	<b>FEBRUARY-2026</b>
10	Date of Sample Received	:	11.02.2026
11	Date of Sample Analysis	:	12.02.2026
12	Date Sample Analysis Completion	:	12.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC1723126000000218F</b>

### RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Pellet Plant-II</b>										
6	Powder Coal main bag filter	SHUTDOWN	-	---	-	-	6	0.6	-	50
7	RP-6 Conveyor bag Filter	SHUTDOWN	-	---	-	-	6	0.3	-	50
8	Pellet discharge bin bag filter	10.02.2026	185	---	38	5.04	20	0.5	28.33	50

Sl. No	Pellet Plant	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
6	Powder Coal main bag filter	-	-
7	RP-6 Conveyor bag Filter	-	-
8	Pellet discharge bin bag filter	3564	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

#### Note:

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
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TC-17231

## ANNEXURE-38

Format No: SKAEW/7.8/RF/C/04

### Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring(1 <sup>st</sup> Fort Night)
9	Month of Sampling	:	<b>FEBRUARY-2026</b>
10	Date of Sample Received	:	12.02.2026,13.02.2026 & 14.02.2026
11	Date of Sample Analysis	:	13.02.2026,14.02.2026 & 16.02.2026
12	Date Sample Analysis Completion	:	13.02.2026,14.02.2026 & 16.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC1723126000000213F</b>

### RESULTS

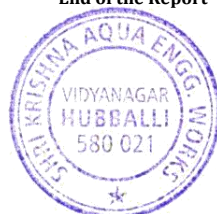
Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
Chimneys attached to Bag Filter (De dusting Units)										
2 X 500 TPD Sponge Iron Kiln 1 & 2										
9	Cooler Discharge -1	11.02.2026	156	---	34	4.76	30	1.20	26.75	<b>50</b>
10	Cooler Discharge -2	12.02.2026	178	--	34	5.23	30	1.20	22.04	<b>50</b>
11	Coal stock house	12.02.2026	179	---	33	5.20	30	1.20	11.04	<b>50</b>
12	PSB 1 System-1	12.02.2026	180	---	36	4.82	30	1.20	25.64	<b>50</b>
13	PSB 1 System-2	13.02.2026	178	---	35	5.10	30	1.20	28.94	<b>50</b>

Sl. No	2 X 500 TPD Sponge Iron Kiln 1 & 2	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
9	Cooler Discharge -1	19373	-
10	Cooler Discharge -2	21306	-
11	Coal stock house	21164	-
12	PSB 1 System-1	19629	-
13	PSB 1 System-2	20764	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

**INFERENCE:** The Measured Values are within the limits

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
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TC-17231

## ANNEXURE-39

Format No: SKAEW/7.8/RF/C/04

### Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring(1 <sup>st</sup> Fort Night)
9	Month of Sampling	:	<b>FEBRUARY-2026</b>
10	Date of Sample Received	:	14.02.2026 & 14.02.2026
11	Date of Sample Analysis	:	16.02.2026 & 16.02.2026
12	Date Sample Analysis Completion	:	16.02.2026 & 16.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC172312600000221F</b>

### RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>2 X 500 TPD Sponge Iron Kiln 1 &amp; 2</b>										
14	PSB 2 System-1 MCC	13.02.2026	199	---	36	4.97	30	1.20	32.16	<b>50</b>
15	PSB 2 System-2 Road	13.02.2026	200	---	37	5.05	30	1.20	28.40	<b>50</b>
16	Junction House Old & New	13.02.2026	201	---	35	5.07	30	1.20	32.99	<b>50</b>
17	Storage Bunker	14.02.2026	214	---	34	4.90	30	1.20	25.68	<b>50</b>
18	Dispatch	<b>SHUTDOWN</b>	-	---		-	30	1.20	-	<b>50</b>

Sl. No	2 X 500 TPD Sponge Iron Kiln 1 & 2	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
14	PSB 2 System-1 MCC	20222	-
15	PSB 1 System-2 Road	20544	-
16	Junction House Old & New	20644	-
17	Storage Bunker	19947	-
18	Dispatch	-	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

**INFERENCE:** The Measured Values are within the limits

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

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TC-17231

ANNEXURE-40

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	: Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	: Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	: Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	: Chemical
7	Group	: Atmospheric Pollution
8	Sample Type	: Stack Monitoring(1st Fort Night)
9	Month of Sampling	: FEBRUARY-2026
10	Date of Sample Received	: 09.02.2026 & 16.02.2026
11	Date of Sample Analysis	: 10.02.2026 & 17.02.2026
12	Date Sample Analysis Completion	: 10.02.2026 & 17.02.2026
13	Report Issued Date	: 04.03.2026
14	Report Number	: ULR-TC1723126000000223F

### RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/s	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>2X500 TPD Sponge Iron Kiln 3&amp;4</b>										
19	DE 3, Axis 3 CD	14.02.2026	225	---	36	5.32	30	1.20	28.99	50
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	14.02.2026	226	---	36	4.76	30	1.20	29.99	50
21	DE 8 & 12 I-Bin, (Stand By)	14.02.2026	227	---	34	4.81	30	1.90	32.33	50
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	14.02.2026	228	---	36	4.91	30	1.90	34.49	50
23	Coal Dryer	07.02.2026	105	---	38	5.21	30	1.20	34.92	50

Sl. No	2X500 TPD Sponge Iron Kiln 3&4	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
19	DE 3, Axis 3 CD	21660	-
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	19373	-
21	DE 8 & 12 I-Bin, (Stand By)	49143	-
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	50114	-
23	Coal Dryer	21195	-

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

Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
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TC-17231

ANNEXURE-41  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring (2<sup>nd</sup>Fort Night)
- 9 Month of Sampling : FEBRUARY-2026
- 10 Date of Sample Received : 28.02.2026
- 11 Date of Sample Analysis : 02.03.2026
- 12 Date Sample Analysis Completion : 02.03.2026
- 13 Report Issued Date : 04.03.2026
- 14 Report Number : ULR-TC1723126000000249F

### RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Beneficiation Plant-2</b>										
1	Iron Ore Cone Crusher	Shut down	-	---	-	-	-	-	-	50
2	Iron Ore Screening	27.02.2026	374	---	36	4.64	30	0.90	15.87	50

Sl. No	Beneficiation Plant	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
1	Iron Ore Cone Crusher	-	-
2	Iron Ore Screening	10625	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

INFERENCE: The Measured Values are within the limits.

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

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2. Samples are Retained for 15 days after issue of test reports.
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TC-17231

## ANNEXURE-42

Format No: SKAEW/7.8/RF/C/04

### Analysis Report of Stack Emission

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	: Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	: Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	: Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	: Chemical
7	Group	: Atmospheric Pollution
8	Sample Type	: Stack Monitoring(2 <sup>nd</sup> Fort Night)
9	Month of Sampling	: FEBRUARY-2026
10	Date of Sample Received	: 17.02.2026
11	Date of Sample Analysis	: 18.02.2026
12	Date Sample Analysis Completion	: 18.02.2026
13	Report Issued Date	: 04.03.2026
14	Report Number	: ULR-TC1723126000000224F

### RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
Chimneys attached to Bag Filter (De dusting Units)										
Pellet Plant										
3	AGB main bag Filter	16.02.2026	233	---	33	4.90	6.5	0.50		50
4	Lime & Bentonite Powder bin top bag filter	16.02.2026	234	---	34	4.58	6.5	0.50		50
5	AGB De dusting Bag Filter	SHUTDOWN	-	---	-	-	6.0	0.60	-	50

Sl. No	Pellet Plant	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
3	AGB main bag Filter	3465	-
4	Lime & Bentonite Powder bin top bag filter	3238	-
5	AGB De dusting Bag Filter		-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

#### Note:

1. All results pertain to the sample received and tested only.
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TC-17231

## ANNEXURE-43

Format No: SKAEW/7.8/RF/C/04

### Analysis Report of Stack Emission

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	: Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	: Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	: Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	: Chemical
7	Group	: Atmospheric Pollution
8	Sample Type	: Stack Monitoring(2 <sup>nd</sup> Fort Night)
9	Month of Sampling	: FEBRUARY-2026
10	Date of Sample Received	: 17.02.2026
11	Date of Sample Analysis	: 18.02.2026
12	Date Sample Analysis Completion	: 18.02.2026
13	Report Issued Date	: 04.03.2026
14	Report Number	: ULR-TC1723126000000225F

### RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	v m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>Pellet Plant</b>										
6	Powder Coal main bag filter	SHUTDOWN	-	---	-	-	6.0	0.60	-	50
7	RP-6 Conveyor bag Filter	SHUTDOWN	-	---	-	-	6.0	0.30	-	50
8	Pellet discharge bin bag filter	16.02.2026	235	---	35	5.06	2.0	0.50	30.44	50

Sl. No	Pellet Plant	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
6	Powder Coal main Bagfilter	-	-
7	RP-6 Conveyor bag Filter	-	-
8	Pellet discharge bin Bagfilter	3581	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
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TC-17231

ANNEXURE-44  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring(2 <sup>nd</sup> Fort Night)
9	Month of Sampling	:	<b>FEBRUARY-2026</b>
10	Date of Sample Received	:	19.02.2026,20.02.2026 & 21.02.2026
11	Date of Sample Analysis	:	20.02.2026,21.02.2026 & 23.02.2026
12	Date Sample Analysis Completion	:	20.02.2026,21.02.2026 & 23.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC1723126000000230F</b>

## RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
Chimneys attached to Bag Filter (De dusting Units)										
2 X 500 TPD Sponge Iron Kiln 1 & 2										
9	Cooler Discharge -1	18.02.2026	270	Coal	33	4.83	30	1.2	27.18	50
10	Cooler Discharge -2	19.02.2026	278	Coal	35	4.76	30	1.2	28.47	50
11	Coal stock house	19.02.2026	279	Coal	36	4.80	30	1.2	11.95	50
12	PSB 1 System-1	19.02.2026	280	Coal	37	4.95	30	1.2	34.84	50
13	PSB 1 System-2	20.02.2026	283	Coal	35	4.96	30	1.2	32.96	50

Sl. No	2 X 500 TPD Sponge Iron Kiln 1 & 2	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
9	Cooler Discharge -1	19669	-
10	Cooler Discharge -2	19369	-
11	Coal stock house	19551	-
12	PSB 1 System-1	20170	-
13	PSB 1 System-2	20185	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

### Note:

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TC-17231

ANNEXURE-45  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring(2 <sup>nd</sup> Fort Night)
9	Month of Sampling	:	<b>FEBRUARY-2026</b>
10	Date of Sample Received	:	21.02.2026 & 23.02.2026
11	Date of Sample Analysis	:	23.02.2026 & 24.02.2026
12	Date Sample Analysis Completion	:	23.02.2026 & 24.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>ULR-TC172312600000231F</b>

### RESULTS

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/Sec	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
<b>Chimneys attached to Bag Filter (De dusting Units)</b>										
<b>2 X 500 TPD Sponge Iron Kiln 1 &amp; 2</b>										
14	PSB 2 System-1 MCC	20.02.2026	284	Coal	36	4.74	30	1.2	34.99	50
15	PSB 1 System-2 Road	21.02.2026	285	Coal	33	5.05	30	1.2	35.66	50
16	Junction House Old & New	21.02.2026	286	Coal	36	4.68	30	1.2	35.58	50
17	Storage Bunker	21.02.2026	287	Coal	37	4.55	30	1.2	20.14	50
18	Dispatch	SHUTDOWN	-	---	-	-	30	1.2	-	50

Sl. No	2 X 500 TPD Sponge Iron Kiln 1 & 2	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
14	PSB 2 System-1 MCC	19300	-
15	PSB 1 System-2 Road	20559	-
16	Junction House Old & New	19060	-
17	Storage Bunker	18543	-
18	Dispatch	-	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

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

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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TC-17231

## ANNEXURE-46

Format No: SKAEW/7.8/RF/C/04

### Analysis Report of Stack Emission

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	: Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	: Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	: Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	: Chemical
7	Group	: Atmospheric Pollution
8	Sample Type	: Stack Monitoring(2 <sup>nd</sup> Fort Night)
9	Month of Sampling	: FEBRUARY-2026
10	Date of Sample Received	: 24.02.2026,25.02.2026 & 26.02.2026
11	Date of Sample Analysis	: 25.02.2026,26.02.2026 & 27.02.2026
12	Date Sample Analysis Completion	: 25.02.2026,26.02.2026 & 27.02.2026
13	Report Issued Date	: 04.03.2026
14	Report Number	: ULR-TC172312600000233F

### RESULTS

Sl. NO	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	TS °C	V m/s	Height (m)	Diameter (m)	PM mg/Nm <sup>3</sup>	KSPCB Std mg/Nm <sup>3</sup>
Chimneys attached to Bag Filter (De dusting Units)										
2X500 TPD Sponge Iron Kiln 3&4										
19	DE 3, Axis 3 CD	23.02.2026	302	---	37	5.13	30	1.20	29.77	50
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	24.02.2026	317	---	36	4.90	30	1.20	34.74	50
21	DE 8 & 12 I-Bin, (Stand By)	24.02.2026	318	---	37	5.01	30	1.90	36.73	50
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	25.02.2026	331	---	37	4.96	30	1.90	28.63	50
23	Coal Dryer	25.02.2026	332	---	39	4.84	30	1.20	36.68	50

Sl. No	2X500 TPD Sponge Iron Kiln 3&4	Gas flow rate at Stack Condition m <sup>3</sup> /hr	KSPCB Std
19	DE 3, Axis 3 CD	20883	-
20	DE 4, DE 7, DE 7A Axis 4 CD Junction House (Stand By)	19968	-
21	DE 8 & 12 I-Bin, (Stand By)	51157	-
22	DE 9 & 10 PSB 1 & 2 Product Separation bin	50680	-
23	Coal Dryer	19699	-

Parameter	Protocol
Particulate Matter (mg/Nm <sup>3</sup> )	IS: 11255 (Part 1) - 1985 (RA 2019)
Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)

INFERENCE: The Measured Values are within the limits.

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manager

#### Note:

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.  
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ANNEXURE-01  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyzer  
Month : **FEBRUARY-2026**  
Location : **A1-Danapur Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/195**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	05.02.2026	93	0.12	4.0
2	06.02.2026	97	0.10	
3	09.02.2026	128	0.12	
4	10.02.2026	133	0.10	
5	16.02.2026	229	<0.01	
6	17.02.2026	244	<0.01	
7	23.02.2026	308	0.10	
8	24.02.2026	326	0.10	

**Note:** CO - CO Analyzer Manual (1 Hour)  
ND - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-02  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyser  
Month : **FEBRUARY-2026**  
Location : **A2-Mariyammanahalli Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/196**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	05.02.2026	94	0.14	4.0
2	06.02.2026	98	0.12	
3	09.02.2026	129	<0.01	
4	10.02.2026	134	<0.01	
5	16.02.2026	230	<0.01	
6	17.02.2026	245	<0.01	
7	23.02.2026	309	0.12	
8	24.02.2026	327	0.12	

**Note: CO** - CO Analyzer Manual (1 Hour)  
**ND** - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
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ANNEXURE-03

Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyzer  
Month : FEBRUARY-2026  
Location : A3-Hanumanahalli Village  
Duration of Monitoring : 1 Hour  
Report Issued Date : 04.03.2026  
Report Number : SKAEW/BMMIL/NAAQ/2026-27/193

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	03.02.2026	89	0.10	4.0
2	04.02.2026	91	0.14	
3	11.02.2026	175	0.12	
4	12.02.2026	181	0.16	
5	18.02.2026	268	0.12	
6	19.02.2026	274	0.10	
7	25.02.2026	356	0.10	
8	26.02.2026	362	0.12	

**Note: CO - CO Analyzer Manual (1 Hour)**  
**ND - Not Detected**

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

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ANNEXURE-04  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyser  
Month : **FEBRUARY-2026**  
Location : **A4-Galemmanagudi Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/197**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	05.02.2026	95	0.14	4.0
2	06.02.2026	99	0.12	
3	09.02.2026	130	0.10	
4	10.02.2026	131	0.12	
5	16.02.2026	231	0.12	
6	17.02.2026	246	0.10	
7	23.02.2026	310	0.14	
8	24.02.2026	328	0.12	

**Note: CO** - CO Analyzer Manual (1 Hour)  
**ND** - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

#### Note:

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ANNEXURE-05  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyser  
Month : **FEBRUARY-2026**  
Location : **A5- G Nagalapura Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/198**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	05.02.2026	96	<0.01	4.0
2	06.02.2026	100	<0.01	
3	09.02.2026	131	<0.01	
4	10.02.2026	132	0.12	
5	16.02.2026	232	<0.01	
6	17.02.2026	247	<0.01	
7	23.02.2026	311	<0.01	
8	24.02.2026	329	<0.01	

**Note: CO - CO Analyzer Manual (1 Hour)**  
**ND - Not Detected**

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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

Mrs. Radha M Bengeri  
Technical Manger

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# SHRI KRISHNA AQUA ENGINEERING WORKS

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ANNEXURE-06  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyser  
Month : **FEBRUARY-2026**  
Location : **A6-Gunda Tanda Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/194**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	03.02.2026	90	<0.01	4.0
2	04.02.2026	92	<0.01	
3	11.02.2026	176	<0.01	
4	12.02.2026	182	<0.01	
5	18.02.2026	269	<0.01	
6	19.02.2026	275	<0.01	
7	25.02.2026	357	<0.01	
8	26.02.2026	363	<0.01	

**Note: CO - CO Analyzer Manual (1 Hour)**  
**ND - Not Detected**

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-07

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>(1<sup>st</sup> Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4)1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/214</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>I. Beneficiation Plant-1</b>						
1.	Near Iron Ore Bottom Hopper	158	11.02.2026	12.02.2026	709.53	<b>2000</b>
2.	Iron Ore Screen	159	11.02.2026	12.02.2026	1490.80	<b>2000</b>
3.	Main Canteen	160	11.02.2026	12.02.2026	1028.54	<b>2000</b>
<b>II. Pellet Plant-I</b>						
4.	Near Pellet Plant	161	11.02.2026	12.02.2026	642.01	<b>2000</b>
5.	Annual Cooler Pellet Discharge bin	162	11.02.2026	12.02.2026	354.81	<b>2000</b>
6.	Pellet Stock Yard	163	11.02.2026	12.02.2026	321.11	<b>2000</b>
<b>III. Sponge Iron Division-1 (kiln 1 &amp; 2)</b>						
7.	Control Room SID-1	186	12.02.2026	13.02.2026	295.35	<b>2000</b>
8.	Near Product bin	187	12.02.2026	13.02.2026	253.98	<b>2000</b>
9.	Coal Feeding Area	188	12.02.2026	13.02.2026	268.40	<b>2000</b>
<b>IV. Induction Furnace &amp; Rolling Mill - 1</b>						
10.	IF Office	164	11.02.2026	12.02.2026	313.45	<b>2000</b>
11.	TMT Stock Yard	165	11.02.2026	12.02.2026	323.43	<b>2000</b>
12.	RML Gasifier	166	11.02.2026	12.02.2026	244.24	<b>2000</b>
<b>V. Power Plant 25 MW-1</b>						
13.	25 MW ESP	189	12.02.2026	13.02.2026	1020.14	<b>2000</b>
14.	25 MW ACC	190	12.02.2026	13.02.2026	208.67	<b>2000</b>
<b>VI. Site Services</b>						
15.	PGP- coal handling system	167	11.02.2026	12.02.2026	1018.65	<b>2000</b>
16.	IF Slag Crusher	221	14.02.2026	14.02.2026	379.55	<b>2000</b>
17.	Main Gate	203	13.02.2026	14.02.2026	515.73	<b>2000</b>
18.	Fly ash Dump	222	14.02.2026	14.02.2026	247.09	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
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- Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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ANNEXURE-08

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works,
- 4 Particulars of sample collected : HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
- 5 Month : **(2<sup>nd</sup> Fort Night)**
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Method adopted : IS 5182 (Part 4)1999 RA 2014
- 9 Report Issued Date : **04.03.2026**
- 10 Report Number : **SKAEW/BMMIL/FM/2026-27/232**

### RESULTS

Sl. NO.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>I. Beneficiation Plant-1</b>						
1.	Near Iron Ore Bottom Hopper	292	20.02.2026	21.02.2026	578.71	<b>2000</b>
2.	Iron Ore Screen	293	21.02.2026	21.02.2026	775.88	<b>2000</b>
3.	Main Canteen	294	21.02.2026	21.02.2026	1847.45	<b>2000</b>
<b>II. Pellet Plant-I</b>						
4.	Near Pellet Plant	295	21.02.2026	21.02.2026	1835.24	<b>2000</b>
5.	Annual Cooler Pellet Discharge bin	296	21.02.2026	21.02.2026	1828.72	<b>2000</b>
6.	Pellet Stock Yard	297	21.02.2026	21.02.2026	1560.06	<b>2000</b>
<b>III. Sponge Iron Division-1(kiln 1 &amp; 2)</b>						
7.	Control Room SID-I	306	23.02.2026	24.02.2026	979.36	<b>2000</b>
8.	Near Product bin	307	23.02.2026	24.02.2026	621.94	<b>2000</b>
9.	Coal Feeding Area	320	23.02.2026	24.02.2026	943.75	<b>2000</b>
<b>IV. Induction Furnace &amp; Rolling Mill</b>						
10.	IF Office	303	23.02.2026	24.02.2026	545.63	<b>2000</b>
11.	TMT Stock Yard	304	23.02.2026	24.02.2026	1235.99	<b>2000</b>
12.	RML Gasifier	305	24.02.2026	25.02.2026	713.97	<b>2000</b>
<b>V. Power Plant 25 MW-1</b>						
13.	25 MW ESP	321	24.02.2026	25.02.2026	918.59	<b>2000</b>
14.	25 MW ACC	322	24.02.2026	25.02.2026	333.13	<b>2000</b>
<b>VI. Site Services</b>						
15.	PGP- Coal handling system	323	24.02.2026	25.02.2026	1443.20	<b>2000</b>
16.	IF Slag Crusher	324	24.02.2026	25.02.2026	1763.21	<b>2000</b>
17.	Main Gate	350	25.02.2026	26.02.2026	347.29	<b>2000</b>
18.	Fly ash Dump	351	25.02.2026	26.02.2026	273.02	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

Note:

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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ANNEXURE-09

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>(1<sup>st</sup> Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/218</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>Blast Furnace</b>						
1.	RMHS	191	12.02.2026	13.02.2026	1094.59	<b>2000</b>
2.	Stock House	192	12.02.2026	13.02.2026	415.34	<b>2000</b>
3.	Gas Network Area	193	12.02.2026	13.02.2026	492.87	<b>2000</b>
4.	Blower Area	194	12.02.2026	13.02.2026	224.94	<b>2000</b>
5.	Gas Cleaning plant (GCP)	204	13.02.2026	14.02.2026	339.19	<b>2000</b>
6.	Stove Area	195	12.02.2026	13.02.2026	643.20	<b>2000</b>
7.	Control ROOM (CR)	205	13.02.2026	14.02.2026	223.43	<b>2000</b>
8.	Pig Costing Machine (PCM)	206	13.02.2026	14.02.2026	298.08	<b>2000</b>
9.	Slag Granulation Plant (SGP)	207	13.02.2026	14.02.2026	279.65	<b>2000</b>
10.	Cost House Area	208	13.02.2026	14.02.2026	703.53	<b>2000</b>
<b>SMS Area</b>						
1.	Stock House/Vibro Feeders	209	13.02.2026	14.02.2026	814.63	<b>2000</b>
2.	Ladle Tapping	210	13.02.2026	14.02.2026	874.00	<b>2000</b>
3.	Slag pouring Area	211	13.02.2026	14.02.2026	1157.46	<b>2000</b>
<b>MBM</b>						
1.	Near Re-Heating Furnace	223	14.02.2026	14.02.2026	286.46	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-10  
Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>(1<sup>ST</sup>Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/201</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>I. Beneficiation Plant-II</b>						
1.	Ball Mill Area (Zero Meter)	110	09.02.2026	10.02.2026	324.75	<b>2000</b>
2.	Concentrate Thickner	111	09.02.2026	10.02.2026	257.47	<b>2000</b>
3.	Near Cone Crusher	112	09.02.2026	10.02.2026	466.94	<b>2000</b>
<b>II. Pellet Plant</b>						
4.	PR-6	113	09.02.2026	10.02.2026	416.46	<b>2000</b>
5.	Annual Cooler Pellet Discharge bin	114	09.02.2026	10.02.2026	664.56	<b>2000</b>
6.	Additive Grinding Building	145	10.02.2026	11.02.2026	466.87	<b>2000</b>
<b>III. Sponge Iron Division -2 (Kiln 3 &amp; 4)</b>						
7.	Control room	115	09.02.2026	10.02.2026	1214.66	<b>2000</b>
8.	Near Weigh bridge (dispatch)	116	09.02.2026	10.02.2026	707.48	<b>2000</b>
9.	Transfer House area	117	09.02.2026	10.02.2026	740.50	<b>2000</b>
10.	Production Separation Bin-PSB	118	09.02.2026	10.02.2026	806.88	<b>2000</b>
11.	Pellet Storage bin	119	09.02.2026	10.02.2026	711.91	<b>2000</b>
<b>IV. Sponge Iron Division -3 (Kiln 5 &amp; 6)</b>						
12.	Near Control room	146	10.02.2026	11.02.2026	1086.84	<b>2000</b>
13.	Near Product bin	147	10.02.2026	11.02.2026	946.14	<b>2000</b>
14.	Near Coal Crusher	148	10.02.2026	11.02.2026	717.01	<b>2000</b>
15.	Coal Dryer	149	10.02.2026	11.02.2026	997.96	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

#### Note:

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ANNEXURE-10A

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>(1<sup>ST</sup>Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/211</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>V. Wagon Tipper/RMHS</b>						
16.	Near Tipping point	150	10.02.2026	11.02.2026	347.65	<b>2000</b>
17.	Monsoon Shed (CPU)	151	10.02.2026	11.02.2026	1080.11	<b>2000</b>
18.	MCC Room (2 <sup>nd</sup> Gate)	152	10.02.2026	11.02.2026	526.32	<b>2000</b>
<b>Power plant -70M</b>						
19.	70MW-DM Plant (Near R.O. Plant)	153	10.02.2026	11.02.2026	585.27	<b>2000</b>
20.	2 <sup>nd</sup> gateweigh bridge Near Coal Screen	217	14.02.2026	14.02.2026	745.15	<b>2000</b>
21.	CFBC boiler	154	10.02.2026	11.02.2026	335.49	<b>2000</b>
<b>VII. 2X70MW Power Plant</b>						
22.	Near Boiler	218	14.02.2026	14.02.2026	1594.83	<b>2000</b>
23.	Near Coal storage Shed	219	14.02.2026	14.02.2026	1901.99	<b>2000</b>
24.	Dolochar Processing Area	220	14.02.2026	14.02.2026	1603.30	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-11

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	FEBRUARY-2026(2 <sup>ND</sup> Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	04.03.2026
10	Report Number	:	SKAEW/BMMIL/FM/2026-27/226

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>I. Beneficiation Plant-II</b>						
1.	Ball Mill Area (Zero Meter)	236	16.02.2026	17.02.2026	1823.12	2000
2.	Concentrate Thickner	237	16.02.2026	17.02.2026	707.71	2000
3.	Near Cone Crusher	238	16.02.2026	17.02.2026	860.27	2000
<b>II. Pellet Plant-I</b>						
4.	PR-6	239	16.02.2026	17.02.2026	1094.09	2000
5.	Annual Cooler Pellet Discharge bin	240	16.02.2026	17.02.2026	507.11	2000
6.	Additive Grinding Building	259	18.02.2026	19.02.2026	185.87	2000
<b>III. Sponge Iron Division -2 (Kiln 3&amp;4)</b>						
7.	Control room	243	17.02.2026	18.02.2026	1714.82	2000
8.	Near Weigh bridge (dispatch)	249	17.02.2026	18.02.2026	664.02	2000
9.	Transfer House area	250	17.02.2026	18.02.2026	1215.44	2000
10.	Production Separation Bin-PSB	251	17.02.2026	18.02.2026	1158.13	2000
11.	Pellet Storage bin	252	17.02.2026	18.02.2026	1803.29	2000
<b>IV. Sponge Iron Division -2 (Kiln 5&amp;6)</b>						
12.	Near Control room	260	18.02.2026	19.02.2026	1376.83	2000
13.	Near Coal Crusher	261	18.02.2026	19.02.2026	1712.80	2000
14.	Near Product bin	262	18.02.2026	19.02.2026	1611.07	2000
15.	Coal Drier	266	19.02.2026	20.02.2026	1620.60	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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-11A

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
- 5 Month : **FEBRUARY-2026(2<sup>ND</sup> Fort Night)**
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Method adopted : IS 5182 (Part 4): 1999 RA 2014
- 9 Report Issued Date : **04.03.2026**
- 10 Report Number : **SKAEW/BMMIL/FM/2026-27/229**

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>V. Wagon Tipper/RMHS</b>						
16.	Near Tipping point	267	18.02.2026	19.02.2026	1834.74	<b>2000</b>
17.	Monsoon Shed (CPU)	271	19.02.2026	20.02.2026	1698.53	<b>2000</b>
18.	MCC Room (2 <sup>nd</sup> Gate)	272	19.02.2026	20.02.2026	1204.19	<b>2000</b>
<b>VI. Power Plant-70 MW</b>						
19.	70MW-DM Plant (Near R.O. Plant)	273	19.02.2026	20.02.2026	471.71	<b>2000</b>
20.	2 <sup>nd</sup> gate weigh bridge Near Coal Screen	276	19.02.2026	20.02.2026	1923.95	<b>2000</b>
21.	CFBC boiler	288	20.02.2026	21.02.2026	1660.89	<b>2000</b>
<b>VII. 2X70MW Power Plant</b>						
22.	Near Boiler	289	20.02.2026	21.02.2026	885.77	<b>2000</b>
23.	Near Coal storage Shed	290	20.02.2026	21.02.2026	1482.11	<b>2000</b>
24.	CPP Dolochar Process Area	291	20.02.2026	21.02.2026	1774.65	<b>2000</b>

**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	<b>Instrument Name</b>	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler
2	<b>Make &amp; Model</b>	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	<b>Serial No</b>	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	<b>Calibration Date</b>	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	<b>Calibration Due Date</b>	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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ANNEXURE-12

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>FEBRUARY-2026(2<sup>nd</sup> Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/247</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>Blast Furnace</b>						
1.	RMHS	352	25.02.2026	26.02.2026	1838.26	<b>2000</b>
2.	Stock House	353	25.02.2026	26.02.2026	1783.14	<b>2000</b>
3.	Gas Network Area	354	25.02.2026	26.02.2026	1041.87	<b>2000</b>
4.	Blower Area	359	26.02.2026	27.02.2026	190.65	<b>2000</b>
5.	Gas Cleaning plant (GCP)	355	25.02.2026	26.02.2026	933.52	<b>2000</b>
6.	Stove Area	360	26.02.2026	27.02.2026	186.52	<b>2000</b>
7.	Control ROOM (CR)	361	26.02.2026	27.02.2026	990.46	<b>2000</b>
8.	Pig Costing Machine (PCM)	368	27.02.2026	28.02.2026	533.22	<b>2000</b>
9.	Slag Granulation Plant (SGP)	369	27.02.2026	28.02.2026	758.29	<b>2000</b>
10.	Cost House Area	370	27.02.2026	28.02.2026	1932.89	<b>2000</b>
<b>SMS Area</b>						
1.	Stock House/Vibro Feeders	371	27.02.2026	28.02.2026	1671.35	<b>2000</b>
2.	Ladle Tapping	372	27.02.2026	28.02.2026	506.65	<b>2000</b>
3.	Slag pouring Area	373	27.02.2026	28.02.2026	428.20	<b>2000</b>
<b>MBM</b>						
1.	Near Re-Heating Furnace	375	28.02.2026	28.02.2026	360.00	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-13A  
Format No: SKAEW/7.8/RF/C/01

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Pellet Plant-1 ESP</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	13.02.2026 & 17.02.2026
12	Date of Sample Analysis	:	14.02.2026 & 18.02.2026
13	Date of Sample Analysis completion	:	14.02.2026 & 18.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/220</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				12.02.2026	17.02.2026	
	Date of Sample Collected					
	Sample Code			197	248	
6	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2019)	°C	31	27	-
7	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2022)	mg/Nm <sup>3</sup>	11.0	9.0	NS
8	Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)	Nm <sup>3</sup> /hr	273962	276142	-
9	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr	302218	305916	-

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

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-14A  
Format No: SKAEW/7.8/RF/C/01

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>2X100 TPD Sponge iron plant Kiln 1 &amp; 2</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	14.02.2026 & 24.02.2026
12	Date of Sample Analysis	:	16.02.2026 & 25.02.2026
13	Date of Sample Analysis completion	:	16.02.2026 & 25.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/222</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				13.02.2026	23.02.2026	
	Date of Sample Collected			215	313	
	Sample Code					
6	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2019)	°C	32	28	-
7	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2022)	mg/Nm <sup>3</sup>	49.0	50.0	NS
8	Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)	Nm <sup>3</sup> /hr	49882	47544	-
9	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr	75366	72202	-

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

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-15A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works,
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (1st Fort Night) SHUTDOWN**
- 10 Date of Sample Received : -
- 11 Date of Sample Analysis : -
- 12 Date of Sample Analysis completion : -
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : -

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	Gas flow Discharge rate at NTP	KSPCB Std
<b>Induction Furnace 1 &amp; 2</b>											
1	Induction Furnace 1	-		Electric Power	-	-	-	30	1.2	-	-
2	Induction Furnace 2	-			-	-	-	30	1.3	-	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-16A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Rolling Mill Reheating furnace</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	-
12	Date of Sample Analysis	:	-
13	Date of Sample Analysis completion	:	-
14	Report Issued Date	:	<b>04.03.2026</b>
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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				-	-	
6	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2019)	<sup>o</sup> C	-	-	-
7	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2022)	mg/Nm <sup>3</sup>	-	-	NS
8	Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)	Nm <sup>3</sup> /hr	-	-	-
9	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr	-	-	-

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

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-17A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>AFBC Boiler ESP (25 MW Power Plant) SHUTDOWN</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	-
12	Date of Sample Analysis	:	-
13	Date of Sample Analysis completion	:	-
14	Report Issued Date	:	<b>04.03.2026</b>
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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				-	-	
6	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2019)	<sup>o</sup> C	-	-	-
7	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2022)	mg/Nm <sup>3</sup>	-	-	NS
8	Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)	Nm <sup>3</sup> /hr	-	-	-
9	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr	-	-	-

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

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-18A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	11.02.2026
11	Date of Sample Analysis	:	12.02.2026
12	Date of Sample Analysis completion	:	12.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/210</b>

Sl. No	Beneficiation Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>Beneficiation Plant -I</b>						
1	Iron Ore dump hopper	10.02.2026	143	31	2177	-
2	Iron Ore Screen bin	10.02.2026	144	31	2226	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-19A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	12.02.2026
11	Date of Sample Analysis	:	13.02.2026
12	Date of Sample Analysis completion	:	13.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/215</b>

Sl. No	RMHS	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>RMHS</b>						
3	Screen, Coal Crusher (CPU)	11.02.2026	171	30	30821	-
4	Main Crusher	11.02.2026	172	30	3262	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.  
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ANNEXURE-20A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	07.02.2026
11	Date of Sample Analysis	:	09.02.2026
12	Date of Sample Analysis completion	:	09.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/199</b>

Sl. No	Pellet Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>Pellet Plant - I</b>						
5	AGB Main Bag Filter	07.02.2026	101	31	3192	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	07.02.2026	102	31	1154	-
7	Bentonite Powder bin top bag filter	07.02.2026	103	30	1179	-
8	H-4 Conveyor discharge bag filter	<b>Shutdown</b>	-	-	-	-
9	P-1 Bag Filter	07.02.2026	104	31	3569	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
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ANNEXURE-21A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	09.02.2026
11	Date of Sample Analysis	:	10.02.2026
12	Date of Sample Analysis completion	:	10.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/200</b>

Sl. No	2 X 100 TPD Sponge Iron Kiln 1 & 2	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>2 X 100 TPD Sponge Iron Kiln 1 &amp; 2</b>						
10	Cooler-1 Discharge & Blending Chute	08.02.2026	106	31	19084	-
11	Cooler-2 Discharge	08.02.2026	107	30	19429	-
12	Intermediate Bin & Blending	08.02.2026	108	31	20550	-
13	Product House	08.02.2026	109	30	19838	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-22A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2<sup>nd</sup>Fort Night)**
- 10 Date of Sample Received : -
- 11 Date of Sample Analysis : -
- 12 Date of Sample Analysis completion : -
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : -

Sl. No	Induction Furnance 1 & 2	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Induction Furnance 1 &amp; 2</b>						
1	Induction Furnance 1	SHUTDOWN	-	-	-	-
2	Induction Furnance 2	SHUTDOWN	-	-	-	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
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ANNEXURE-23A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (2nd Fort Night)</b>
10	Date of Sample Received	:	02.03.2026
11	Date of Sample Analysis	:	03.03.2026
12	Date of Sample Analysis completion	:	03.03.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/250</b>

Sl. No	Beneficiation Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>Beneficiation Plant</b>						
1	Iron Ore dump hopper	28.02.2026	376	29	2147	-
2	Iron Ore Screen bin	28.02.2026	377	30	2263	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-24A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**
- 10 Date of Sample Received : 24.02.2026
- 11 Date of Sample Analysis : 25.02.2026
- 12 Date of Sample Analysis completion : 26.02.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **SKAEW/BMMIL/STACK /2026-27/234**

Sl. No	Beneficiation Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>RMHS</b>						
3	Screen, Coal Crusher (CPU)	23.02.2026	315	29	29551	
4	Main Crusher	23.02.2026	316	32	3219	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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

Reviewed & Authorized Signatory



Mrs. Radha M Bengeri  
Technical Manger

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-25A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**
- 10 Date of Sample Received : 18.02.2026 & 19.02.2026
- 11 Date of Sample Analysis : 19.02.2026 & 20.02.2026
- 12 Date of Sample Analysis completion : 19.02.2026 & 20.02.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **SKAEW/BMMIL/STACK /2026-27/228**

Sl. No	Pellet Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>Pellet Plant-I</b>						
5	AGB Main Bag Filter	17.02.2026	253	28	3440	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	17.02.2026	254	29	1154	-
7	Bentonite Powder bin top bag filter	17.02.2026	255	30	1181	-
8	H-4 Conveyor discharge bag filter	<b>SHUTDOWN</b>	-	-	-	-
9	P-1 Bag Filter	18.02.2026	258	27	3344	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-26A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (2nd Fort Night)</b>
10	Date of Sample Received	:	27.02.2026
11	Date of Sample Analysis	:	28.02.2026
12	Date of Sample Analysis completion	:	28.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/248</b>

Sl. No	2 X 100 TPD Sponge Iron Kiln 1 & 2	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
10	Cooler-1 Discharge & Blending Chute	26.02.2026	364	31	18711	-
11	Cooler-2 Discharge	26.02.2026	365	32	18306	-
12	Intermediate Bin & Blending	26.02.2026	366	29	18308	-
13	Product House	26.02.2026	367	30	20274	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-50  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	333
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/GW/2026-27/235

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

Note: Ab: Absent, NR: No Relaxation



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

### Note:

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-51  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>334</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/GW/2026-27/236</b>

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

Note: Ab: Absent, NR: No Relaxation

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

### Note:

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- Samples are Retained for 15 days after issue of test reports.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

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ANNEXURE-52  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Pollution & Environment
7	Sample Type	:	Ground Water
8	Sample Code	:	335
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/GW/2026-27/237

### 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
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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-53  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>336</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/GW/2026-27/238</b>

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

Note: Ab: Absent, NR: No Relaxation

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*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-54  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	337
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/GW/2026-27/239

### 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
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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-55  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>338</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/GW/2026-27/240</b>

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

Note: Ab: Absent, NR: No Relaxation



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Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-56

Format No: SKAEW/7.8/RF/C/09

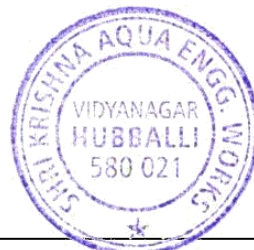
## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	RO Drinking Water
8	Sample Code	:	339
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/RO/2026-27/241

### 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
21	Turbidity (NTU)	IS 3025 Part 10: 2023	NTU		1 max	5max
22	Oil & Grease	APHA 24th Edition 5520 B: 2023	mg/L	Nil	0.8max	No Relaxation
23	Phosphorus as P	IS 3025 Part 31 Sec 1: 2022	mg/L	BDL (<0.1)	-	-
24	Selenium as Se	APHA 24th Edition 3114 C : 2023	mg/L	<0.01	0.01max	No Relaxation
25	Nickel as Ni	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.02 max	NR
26	Manganese as Mn	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.10 max	0.30 max
27	Copper as Cu	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.05 max	1.50 max
28	Zinc as Zn	APHA 24th Edition 3111 B : 2023	mg/L	<1.0	5 max	15 max
29	Lead as Pb	APHA 24th Edition 3111 B : 2023	mg/L	<0.01	0.01 max	NR
30	Arsenic as As	APHA 24th Edition 3114B : 2023	mg/L	<0.01	0.01 max	0.05 max
31	Cadmium as Cd	APHA 24th Edition 3111 B : 2023	mg/L	<0.001	0.003 max	NR
32	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	0.05max	No Relaxation
33	Phenolic Compound as phenols	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	1.0max	-
34	<i>Escherichia coli</i> count	IS:15185:2016	1 CFU/ 100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation,



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*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-57

Format No: SKAEW/7.8/RF/C/06

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Discipline	:	Chemical
6	Group	:	Pollution & Environment
7	Sample Type	:	<b>Sewage Treatment Plant (Outlet)</b>
8	Date of Sampling	:	25.02.2026
9	Sample Received	:	26.02.2026
10	Date of Analysis	:	26.02.2026
11	Date of Analysis Completion	:	03.03.2026
12	Report Issue Date	:	<b>04.03.2026</b>
13	Report Number	:	<b>SKAEW/BMMIL/STP/2026-27/242</b>

Sl. No.	Parameters	Protocol	Unit	Results	As per KSPCB Std
				STP 45 KLD	
Sample code				-	340
9.	Odour	IS: 3025 (PART 5)- 1983, RA-2012, True Odour	-	Agree able	-
10.	Cyanides (as CN)	APHA 24th Edition 4500 CN -D: 2023	mg/L	BDL	-
11.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	-
12.	Fecal coliform	APHA 24th Edition 9211 B :2023	CFU/100ml	27	Less than 100

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

**STP 45 KLD** – Near Fortivia



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Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



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ANNEXURE-57A  
Format No: SKAEW/7.8/RF/C/06

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Discipline	:	Chemical
6	Group	:	Pollution & Environment
7	Sample Type	:	<b>Sewage Treatment Plant (Outlet)</b>
8	Date of Sampling	:	25.02.2026
9	Sample Received	:	26.02.2026
10	Date of Analysis	:	26.02.2026
11	Date of Analysis Completion	:	03.03.2026
12	Report Issue Date	:	<b>04.03.2026</b>
13	Report Number	:	<b>SKAEW/BMMIL/STP/2026-27/251</b>

Sl. No.	Parameters	Protocol	Unit	Results	As per KSPCB Std
				STP-1 90 KLD	
Sample code				-	341
9.	Odour	IS: 3025 (PART 5)- 1983, RA-2012, True Odour	-	Agree able	-
10.	Cyanides (as CN)	APHA 24th Edition 4500 CN -D: 2023	mg/L	BDL	-
11.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	-
12.	Fecal coliform	APHA 24th Edition 9211 B :2023	CFU/100ml	32	Less than 100

**Note:** BDL-Below detectable Limit. **INFERENCE:** The Measured values are within the Limit.  
**STP-1 90 KLD** -Near ISP Area



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Mrs. Radha M Bengeri  
Technical Manger

**Note:**

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-57B  
Format No: SKAEW/7.8/RF/C/06

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Discipline	:	Chemical
6	Group	:	Pollution & Environment
7	Sample Type	:	<b>Sewage Treatment Plant (Outlet)</b>
8	Date of Sampling	:	25.02.2026
9	Sample Received	:	26.02.2026
10	Date of Analysis	:	26.02.2026
11	Date of Analysis Completion	:	03.03.2026
12	Report Issue Date	:	<b>04.03.2026</b>
13	Report Number	:	<b>SKAEW/BMMIL/STP/2026-27/252</b>

Sl. No.	Parameters	Protocol	Unit	Results	As per KSPCB Std
				STP-2 90 KLD	
Sample code				-	342
9.	Odour	IS: 3025 (PART 5)- 1983, RA-2012, True Odour	-	Agree able	-
10.	Cyanides (as CN)	APHA 24th Edition 4500 CN -D: 2023	mg/L	BDL	-
11.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	-
12.	Fecal coliform	APHA 24th Edition 9211 B :2023	CFU/100ml	43	Less than 100

**Note:** BDL-Below detectable Limit. **INFERENCE:** The Measured values are within the Limit.  
**STP-2 90 KLD** -Near Gunda Guest House



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



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ANNEXURE-59

Format No: SKAEW/7.8/RF/C/10

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Sampling Procedure	:	SKAEW-LD/SOP/32
6	Discipline	:	Chemical
7	Group	:	Pollution & Environment
8	Sample Type	:	<b>Surface Water</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14.	Report Number	:	<b>SKAEW/BMMIL/SW/2026-27/243</b>

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				Danayakanakere Upstream	Danayakanakere Downstream	
Sample code				343	344	
7	Arsenic as As	APHA 24thEdition3114- B : 2023	mg/L	<0.01	<0.01	0.2
8	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	BDL	0.05
9	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	BDL	0.005
10	<b>Total Coliform Organisms</b>					
	Total Coli forms	IS : 1622:1981	MPN/ 100 ml	80	90	500
	<i>Escherichia coli</i> or <i>E. coli</i>	IS : 1622:1981	MPN/ 100 ml	Absent	Absent	-



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.  
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ANNEXURE-60A  
SKAEW-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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Sampling Procedure	:	SKAEW-LD/SOP/32
6	Discipline	:	Chemical
7	Group	:	Pollution & Environment
8	Sample Type	:	<b>Surface Water</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/SW/2026-27/245</b>

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				KempuHalla Upstream	KempuHalla Downstream	
Sample code				347	348	
7	Arsenic as As	APHA 24thEdition3114- B : 2023	mg/L	<0.01	<0.01	0.2
8	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	BDL	0.05
9	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	BDL	0.005
10	<b>Total Coliform Organisms</b>					
	Total Coli forms	IS : 1622:1981	MPN/ 100 ml	70	90	500
	<i>Escherichia coli</i> or <i>E. coli</i>	IS : 1622:1981	MPN/ 100 ml	Absent	Absent	-



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

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ANNEXURE-61  
Format No: SKAEW/7.8/RF/C/10

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Sampling Procedure	:	SKAEW-LD/SOP/32
6	Discipline	:	Chemical/Biological
7	Group	:	Pollution & Environment
8	Sample Type	:	<b>Surface Water</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14.	Report Number	:	<b>SKAEW/BMMIL/SW/2026-27/246</b>

Sl. No.	Parameters	Protocol	Unit	Results	
				Tungabhadra dam	IS 2296 -1982 CLASS -B
<b>Sample Code</b>				<b>349</b>	
8	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	26	-
9	Arsenic as As	APHA 24th Edition 3114- B : 2023	mg/L	<0.01	0.2
10	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	0.05
11	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	0.005
12.	<b>Total Coliform Organisms,</b>				
	Total Coli forms	IS :1622:1981	MPN/100 ml	80	500
	Escherichia coli or E. coli	IS : 1622:1981	MPN/100 ml	Absent	-

**Note:** BDL-Below detectable Limit

**INFERENCE:** The measured values are within the Limit.



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



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ANNEXURE-01  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyzer  
Month : **FEBRUARY-2026**  
Location : **A1-Danapur Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/195**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	05.02.2026	93	0.12	4.0
2	06.02.2026	97	0.10	
3	09.02.2026	128	0.12	
4	10.02.2026	133	0.10	
5	16.02.2026	229	<0.01	
6	17.02.2026	244	<0.01	
7	23.02.2026	308	0.10	
8	24.02.2026	326	0.10	

**Note: CO** - CO Analyzer Manual (1 Hour)  
**ND** - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

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ANNEXURE-02  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyser  
Month : FEBRUARY-2026  
Location : A2-Mariyammanahalli Village  
Duration of Monitoring : 1 Hour  
Report Issued Date : 04.03.2026  
Report Number : SKAEW/BMMIL/NAAQ/2026-27/196

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	05.02.2026	94	0.14	4.0
2	06.02.2026	98	0.12	
3	09.02.2026	129	<0.01	
4	10.02.2026	134	<0.01	
5	16.02.2026	230	<0.01	
6	17.02.2026	245	<0.01	
7	23.02.2026	309	0.12	
8	24.02.2026	327	0.12	

**Note:** CO - CO Analyzer Manual (1 Hour)  
ND - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-03

Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyzer  
Month : **FEBRUARY-2026**  
Location : **A3-Hanumanahalli Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/193**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	03.02.2026	89	0.10	4.0
2	04.02.2026	91	0.14	
3	11.02.2026	175	0.12	
4	12.02.2026	181	0.16	
5	18.02.2026	268	0.12	
6	19.02.2026	274	0.10	
7	25.02.2026	356	0.10	
8	26.02.2026	362	0.12	

**Note: CO - CO Analyzer Manual (1 Hour)**  
**ND - Not Detected**

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

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ANNEXURE-04  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyser  
Month : **FEBRUARY-2026**  
Location : **A4-Galemmanagudi Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/197**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	05.02.2026	95	0.14	4.0
2	06.02.2026	99	0.12	
3	09.02.2026	130	0.10	
4	10.02.2026	131	0.12	
5	16.02.2026	231	0.12	
6	17.02.2026	246	0.10	
7	23.02.2026	310	0.14	
8	24.02.2026	328	0.12	

**Note: CO** - CO Analyzer Manual (1 Hour)  
**ND** - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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

#### Note:

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ANNEXURE-05  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyser  
Month : **FEBRUARY-2026**  
Location : **A5- G Nagalapura Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/198**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	05.02.2026	96	<0.01	4.0
2	06.02.2026	100	<0.01	
3	09.02.2026	131	<0.01	
4	10.02.2026	132	0.12	
5	16.02.2026	232	<0.01	
6	17.02.2026	247	<0.01	
7	23.02.2026	311	<0.01	
8	24.02.2026	329	<0.01	

**Note: CO - CO Analyzer Manual (1 Hour)**  
**ND - Not Detected**

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
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ANNEXURE-06  
Format No: SKAEW/7.8/RF/C/01

## ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
Customer Reference : WORKORDER NO.. 4500004504 DATED 09.01.2026  
Sample collected by : Shri Krishna Aqua Engineering Works  
Discipline : Chemical  
Group : Atmospheric Pollution  
Sample Type : Ambient Air Quality Monitoring  
Particulars of Sample Collected : CO Analyser  
Month : **FEBRUARY-2026**  
Location : **A6-Gunda Tanda Village**  
Duration of Monitoring : 1 Hour  
Report Issued Date : **04.03.2026**  
Report Number : **SKAEW/BMMIL/NAAQ/2026-27/194**

### RESULTS

Sl. No.	Date of Sampling	Sample Code	CO (1 Hour) [mg/m <sup>3</sup> ]	Standard
1	03.02.2026	90	<0.01	4.0
2	04.02.2026	92	<0.01	
3	11.02.2026	176	<0.01	
4	12.02.2026	182	<0.01	
5	18.02.2026	269	<0.01	
6	19.02.2026	275	<0.01	
7	25.02.2026	357	<0.01	
8	26.02.2026	363	<0.01	

**Note: CO** - CO Analyzer Manual (1 Hour)  
**ND** - Not Detected

SL NO	INSTRUMENT DETAILS	
1	Instrument Name	CO Gas Detector
2	Make & Model	UNIPHOS &-320(M)
3	Serial No	B190255
4	Calibration Date	28.01.2026
5	Calibration Due Date	27.01.2026

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



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

#### Note:

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-07

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>(1<sup>st</sup> Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4)1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/214</b>

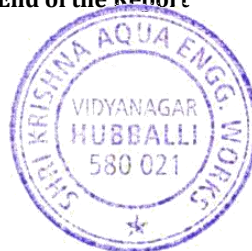
### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>I. Beneficiation Plant-1</b>						
1.	Near Iron Ore Bottom Hopper	158	11.02.2026	12.02.2026	709.53	<b>2000</b>
2.	Iron Ore Screen	159	11.02.2026	12.02.2026	1490.80	<b>2000</b>
3.	Main Canteen	160	11.02.2026	12.02.2026	1028.54	<b>2000</b>
<b>II. Pellet Plant-I</b>						
4.	Near Pellet Plant	161	11.02.2026	12.02.2026	642.01	<b>2000</b>
5.	Annual Cooler Pellet Discharge bin	162	11.02.2026	12.02.2026	354.81	<b>2000</b>
6.	Pellet Stock Yard	163	11.02.2026	12.02.2026	321.11	<b>2000</b>
<b>III. Sponge Iron Division-1 (kiln 1 &amp; 2)</b>						
7.	Control Room SID-1	186	12.02.2026	13.02.2026	295.35	<b>2000</b>
8.	Near Product bin	187	12.02.2026	13.02.2026	253.98	<b>2000</b>
9.	Coal Feeding Area	188	12.02.2026	13.02.2026	268.40	<b>2000</b>
<b>IV. Induction Furnace &amp; Rolling Mill - 1</b>						
10.	IF Office	164	11.02.2026	12.02.2026	313.45	<b>2000</b>
11.	TMT Stock Yard	165	11.02.2026	12.02.2026	323.43	<b>2000</b>
12.	RML Gasifier	166	11.02.2026	12.02.2026	244.24	<b>2000</b>
<b>V. Power Plant 25 MW-1</b>						
13.	25 MW ESP	189	12.02.2026	13.02.2026	1020.14	<b>2000</b>
14.	25 MW ACC	190	12.02.2026	13.02.2026	208.67	<b>2000</b>
<b>VI. Site Services</b>						
15.	PGP- coal handling system	167	11.02.2026	12.02.2026	1018.65	<b>2000</b>
16.	IF Slag Crusher	221	14.02.2026	14.02.2026	379.55	<b>2000</b>
17.	Main Gate	203	13.02.2026	14.02.2026	515.73	<b>2000</b>
18.	Fly ash Dump	222	14.02.2026	14.02.2026	247.09	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.  
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## ANNEXURE-08

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	(2 <sup>nd</sup> Fort Night)
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4)1999 RA 2014
9	Report Issued Date	:	04.03.2026
10	Report Number	:	SKAEW/BMMIL/FM/2026-27/232

### RESULTS

Sl. NO.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>I. Beneficiation Plant-1</b>						
1.	Near Iron Ore Bottom Hopper	292	20.02.2026	21.02.2026	578.71	2000
2.	Iron Ore Screen	293	21.02.2026	21.02.2026	775.88	2000
3.	Main Canteen	294	21.02.2026	21.02.2026	1847.45	2000
<b>II. Pellet Plant-I</b>						
4.	Near Pellet Plant	295	21.02.2026	21.02.2026	1835.24	2000
5.	Annual Cooler Pellet Discharge bin	296	21.02.2026	21.02.2026	1828.72	2000
6.	Pellet Stock Yard	297	21.02.2026	21.02.2026	1560.06	2000
<b>III. Sponge Iron Division-1(kiln 1 &amp; 2)</b>						
7.	Control Room SID-I	306	23.02.2026	24.02.2026	979.36	2000
8.	Near Product bin	307	23.02.2026	24.02.2026	621.94	2000
9.	Coal Feeding Area	320	23.02.2026	24.02.2026	943.75	2000
<b>IV. Induction Furnace &amp; Rolling Mill</b>						
10.	IF Office	303	23.02.2026	24.02.2026	545.63	2000
11.	TMT Stock Yard	304	23.02.2026	24.02.2026	1235.99	2000
12.	RML Gasifier	305	24.02.2026	25.02.2026	713.97	2000
<b>V. Power Plant 25 MW-1</b>						
13.	25 MW ESP	321	24.02.2026	25.02.2026	918.59	2000
14.	25 MW ACC	322	24.02.2026	25.02.2026	333.13	2000
<b>VI. Site Services</b>						
15.	PGP- Coal handling system	323	24.02.2026	25.02.2026	1443.20	2000
16.	IF Slag Crusher	324	24.02.2026	25.02.2026	1763.21	2000
17.	Main Gate	350	25.02.2026	26.02.2026	347.29	2000
18.	Fly ash Dump	351	25.02.2026	26.02.2026	273.02	2000

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

SL NO	INSTRUMENT DETAILS	HVS-01	HVS-02	HVS-03	HVS-04	HVS-05
1	Instrument Name	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler	High Volume Sampler
2	Make & Model	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

#### Note:

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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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ANNEXURE-09

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026                      |
| 3  | Sample collected by             | : | Shri Krishna Aqua Engineering Works                             |
| 4  | Particulars of sample collected | : | HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)            |
| 5  | Month                           | : | <b>(1<sup>st</sup> Fort Night)</b>                              |
| 6  | Discipline                      | : | Chemical  |
| 7  | Group                           | : | Atmospheric Pollution   |
| 8  | Method adopted                  | : | IS 5182 (Part 4): 1999 RA 2014                                  |
| 9  | Report Issued Date              | : | <b>04.03.2026</b>   |
| 10 | Report Number                   | : | <b>SKAEW/BMMIL/FM/2026-27/218</b>                               |

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>Blast Furnace</b>						
1.	RMHS	191	12.02.2026	13.02.2026	1094.59	<b>2000</b>
2.	Stock House	192	12.02.2026	13.02.2026	415.34	<b>2000</b>
3.	Gas Network Area	193	12.02.2026	13.02.2026	492.87	<b>2000</b>
4.	Blower Area	194	12.02.2026	13.02.2026	224.94	<b>2000</b>
5.	Gas Cleaning plant (GCP)	204	13.02.2026	14.02.2026	339.19	<b>2000</b>
6.	Stove Area	195	12.02.2026	13.02.2026	643.20	<b>2000</b>
7.	Control ROOM (CR)	205	13.02.2026	14.02.2026	223.43	<b>2000</b>
8.	Pig Costing Machine (PCM)	206	13.02.2026	14.02.2026	298.08	<b>2000</b>
9.	Slag Granulation Plant (SGP)	207	13.02.2026	14.02.2026	279.65	<b>2000</b>
10.	Cost House Area	208	13.02.2026	14.02.2026	703.53	<b>2000</b>
<b>SMS Area</b>						
1.	Stock House/Vibro Feeders	209	13.02.2026	14.02.2026	814.63	<b>2000</b>
2.	Ladle Tapping	210	13.02.2026	14.02.2026	874.00	<b>2000</b>
3.	Slag pouring Area	211	13.02.2026	14.02.2026	1157.46	<b>2000</b>
<b>MBM</b>						
1.	Near Re-Heating Furnace	223	14.02.2026	14.02.2026	286.46	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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# SHRI KRISHNA AQUA ENGINEERING WORKS

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ANNEXURE-10  
Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>(1<sup>ST</sup>Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/201</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>I. Beneficiation Plant-II</b>						
1.	Ball Mill Area (Zero Meter)	110	09.02.2026	10.02.2026	324.75	<b>2000</b>
2.	Concentrate Thickner	111	09.02.2026	10.02.2026	257.47	<b>2000</b>
3.	Near Cone Crusher	112	09.02.2026	10.02.2026	466.94	<b>2000</b>
<b>II. Pellet Plant</b>						
4.	PR-6	113	09.02.2026	10.02.2026	416.46	<b>2000</b>
5.	Annual Cooler Pellet Discharge bin	114	09.02.2026	10.02.2026	664.56	<b>2000</b>
6.	Additive Grinding Building	145	10.02.2026	11.02.2026	466.87	<b>2000</b>
<b>III. Sponge Iron Division -2 (Kiln 3 &amp; 4)</b>						
7.	Control room	115	09.02.2026	10.02.2026	1214.66	<b>2000</b>
8.	Near Weigh bridge (dispatch)	116	09.02.2026	10.02.2026	707.48	<b>2000</b>
9.	Transfer House area	117	09.02.2026	10.02.2026	740.50	<b>2000</b>
10.	Production Separation Bin-PSB	118	09.02.2026	10.02.2026	806.88	<b>2000</b>
11.	Pellet Storage bin	119	09.02.2026	10.02.2026	711.91	<b>2000</b>
<b>IV. Sponge Iron Division -3 (Kiln 5 &amp; 6)</b>						
12.	Near Control room	146	10.02.2026	11.02.2026	1086.84	<b>2000</b>
13.	Near Product bin	147	10.02.2026	11.02.2026	946.14	<b>2000</b>
14.	Near Coal Crusher	148	10.02.2026	11.02.2026	717.01	<b>2000</b>
15.	Coal Dryer	149	10.02.2026	11.02.2026	997.96	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-10A

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>(1<sup>ST</sup>Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/211</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>V. Wagon Tipper/RMHS</b>						
16.	Near Tipping point	150	10.02.2026	11.02.2026	347.65	<b>2000</b>
17.	Monsoon Shed (CPU)	151	10.02.2026	11.02.2026	1080.11	<b>2000</b>
18.	MCC Room (2 <sup>nd</sup> Gate)	152	10.02.2026	11.02.2026	526.32	<b>2000</b>
<b>Power plant -70M</b>						
19.	70MW-DM Plant (Near R.O. Plant)	153	10.02.2026	11.02.2026	585.27	<b>2000</b>
20.	2 <sup>nd</sup> gateweigh bridge Near Coal Screen	217	14.02.2026	14.02.2026	745.15	<b>2000</b>
21.	CFBC boiler	154	10.02.2026	11.02.2026	335.49	<b>2000</b>
<b>VII. 2X70MW Power Plant</b>						
22.	Near Boiler	218	14.02.2026	14.02.2026	1594.83	<b>2000</b>
23.	Near Coal storage Shed	219	14.02.2026	14.02.2026	1901.99	<b>2000</b>
24.	Dolochar Processing Area	220	14.02.2026	14.02.2026	1603.30	<b>2000</b>

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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-11

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>FEBRUARY-2026(2<sup>ND</sup> Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/226</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>I. Beneficiation Plant-II</b>						
1.	Ball Mill Area (Zero Meter)	236	16.02.2026	17.02.2026	1823.12	<b>2000</b>
2.	Concentrate Thickner	237	16.02.2026	17.02.2026	707.71	<b>2000</b>
3.	Near Cone Crusher	238	16.02.2026	17.02.2026	860.27	<b>2000</b>
<b>II. Pellet Plant-I</b>						
4.	PR-6	239	16.02.2026	17.02.2026	1094.09	<b>2000</b>
5.	Annual Cooler Pellet Discharge bin	240	16.02.2026	17.02.2026	507.11	<b>2000</b>
6.	Additive Grinding Building	259	18.02.2026	19.02.2026	185.87	<b>2000</b>
<b>III. Sponge Iron Division -2 (Kiln 3&amp;4)</b>						
7.	Control room	243	17.02.2026	18.02.2026	1714.82	<b>2000</b>
8.	Near Weigh bridge (dispatch)	249	17.02.2026	18.02.2026	664.02	<b>2000</b>
9.	Transfer House area	250	17.02.2026	18.02.2026	1215.44	<b>2000</b>
10.	Production Separation Bin-PSB	251	17.02.2026	18.02.2026	1158.13	<b>2000</b>
11.	Pellet Storage bin	252	17.02.2026	18.02.2026	1803.29	<b>2000</b>
<b>IV. Sponge Iron Division -2 (Kiln 5&amp;6)</b>						
12.	Near Control room	260	18.02.2026	19.02.2026	1376.83	<b>2000</b>
13.	Near Coal Crusher	261	18.02.2026	19.02.2026	1712.80	<b>2000</b>
14.	Near Product bin	262	18.02.2026	19.02.2026	1611.07	<b>2000</b>
15.	Coal Drier	266	19.02.2026	20.02.2026	1620.60	<b>2000</b>

**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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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ANNEXURE-11A

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>FEBRUARY-2026(2<sup>ND</sup> Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/229</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>V. Wagon Tipper/RMHS</b>						
16.	Near Tipping point	267	18.02.2026	19.02.2026	1834.74	<b>2000</b>
17.	Monsoon Shed (CPU)	271	19.02.2026	20.02.2026	1698.53	<b>2000</b>
18.	MCC Room (2 <sup>nd</sup> Gate)	272	19.02.2026	20.02.2026	1204.19	<b>2000</b>
<b>VI. Power Plant-70 MW</b>						
19.	70MW-DM Plant (Near R.O. Plant)	273	19.02.2026	20.02.2026	471.71	<b>2000</b>
20.	2 <sup>nd</sup> gateweigh bridge Near Coal Screen	276	19.02.2026	20.02.2026	1923.95	<b>2000</b>
21.	CFBC boiler	288	20.02.2026	21.02.2026	1660.89	<b>2000</b>
<b>VII. 2X70MW Power Plant</b>						
22.	Near Boiler	289	20.02.2026	21.02.2026	885.77	<b>2000</b>
23.	Near Coal storage Shed	290	20.02.2026	21.02.2026	1482.11	<b>2000</b>
24.	CPP Dolochar Process Area	291	20.02.2026	21.02.2026	1774.65	<b>2000</b>

**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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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

Reviewed & Authorized Signatory



*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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# SHRI KRISHNA AQUA ENGINEERING WORKS

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ANNEXURE-12

Format No: SKAEW/7.8/RF/C/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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	HVS Sampler (HVS-01, HVS-02, HVS-03, HVS-04, HVS-05)
5	Month	:	<b>FEBRUARY-2026(2<sup>nd</sup> Fort Night)</b>
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Method adopted	:	IS 5182 (Part 4): 1999 RA 2014
9	Report Issued Date	:	<b>04.03.2026</b>
10	Report Number	:	<b>SKAEW/BMMIL/FM/2026-27/247</b>

### RESULTS

Sl. No.	Location / Plant	Sample Code	Date Of Monitoring	Date Of Sample Receipt	SPM ( $\mu\text{g}/\text{m}^3$ )	Standard
<b>Blast Furnace</b>						
1.	RMHS	352	25.02.2026	26.02.2026	1838.26	2000
2.	Stock House	353	25.02.2026	26.02.2026	1783.14	2000
3.	Gas Network Area	354	25.02.2026	26.02.2026	1041.87	2000
4.	Blower Area	359	26.02.2026	27.02.2026	190.65	2000
5.	Gas Cleaning plant (GCP)	355	25.02.2026	26.02.2026	933.52	2000
6.	Stove Area	360	26.02.2026	27.02.2026	186.52	2000
7.	Control ROOM (CR)	361	26.02.2026	27.02.2026	990.46	2000
8.	Pig Costing Machine (PCM)	368	27.02.2026	28.02.2026	533.22	2000
9.	Slag Granulation Plant (SGP)	369	27.02.2026	28.02.2026	758.29	2000
10.	Cost House Area	370	27.02.2026	28.02.2026	1932.89	2000
<b>SMS Area</b>						
1.	Stock House/Vibro Feeders	371	27.02.2026	28.02.2026	1671.35	2000
2.	Ladle Tapping	372	27.02.2026	28.02.2026	506.65	2000
3.	Slag pouring Area	373	27.02.2026	28.02.2026	428.20	2000
<b>MBM</b>						
1.	Near Re-Heating Furnace	375	28.02.2026	28.02.2026	360.00	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	Enviro Instrumets/EI-043	Enviro Instrumets/EI-043
3	Serial No	H.V.S./47-J-2025	H.V.S./ 48-J-2025	H.V.S./ 49-J-2025	H.V.S./ 50-J-2025	H.V.S./ 51-J-2025
4	Calibration Date	28.01.2026	28.01.2026	28.01.2026	28.01.2026	28.01.2026
5	Calibration Due Date	27.01.2027	27.01.2027	27.01.2027	27.01.2027	27.01.2027

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-13A

Format No: SKAEW/7.8/RF/C/01

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Pellet Plant-1 ESP</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	13.02.2026 & 17.02.2026
12	Date of Sample Analysis	:	14.02.2026 & 18.02.2026
13	Date of Sample Analysis completion	:	14.02.2026 & 18.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/220</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				12.02.2026	17.02.2026	
	Date of Sample Collected			197	248	
	Sample Code					
6	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2019)	°C	31	27	-
7	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2022)	mg/Nm <sup>3</sup>	11.0	9.0	NS
8	Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)	Nm <sup>3</sup> /hr	273962	276142	-
9	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr	302218	305916	-

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

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-14A

Format No: SKAEW/7.8/RF/C/01

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>2X100 TPD Sponge iron plant Kiln 1 &amp; 2</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	14.02.2026 & 24.02.2026
12	Date of Sample Analysis	:	16.02.2026 & 25.02.2026
13	Date of Sample Analysis completion	:	16.02.2026 & 25.02.2026
14	Report Issued Date	:	<b>04.03.2026</b>
15	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/222</b>

### 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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
				13.02.2026	23.02.2026	
	Date of Sample Collected			215	313	
	Sample Code					
6	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2019)	°C	32	28	-
7	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2022)	mg/Nm <sup>3</sup>	49.0	50.0	NS
8	Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)	Nm <sup>3</sup> /hr	49882	47544	-
9	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr	75366	72202	-

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

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

Reviewed & Authorized Signatory



*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-15A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	-
11	Date of Sample Analysis	:	-
12	Date of Sample Analysis completion	:	-
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	-

Sl. No	Stack Attached to	Date of Sample Collected	Sample Code	Fuel Used	Ta °C	TS °C	V m/Sec	Height (m)	Diameter (m)	Gas flow Discharge rate at NTP	KSPCB Std
<b>Induction Furnace 1 &amp; 2</b>											
1	Induction Furnace 1	SHUTDOWN		Electric Power	-	-	-	30	1.2	-	-
2	Induction Furnace 2	SHUTDOWN			-	-	-	30	1.3	-	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-16A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works,
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>Rolling Mill Reheating furnace</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	-
12	Date of Sample Analysis	:	-
13	Date of Sample Analysis completion	:	-
14	Report Issued Date	:	<b>04.03.2026</b>
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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
					Date of Sample Collected	
	Sample Code		-	-		
6	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2019)	°C			-
7	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2022)	mg/Nm <sup>3</sup>	<b>SHUT DOWN</b>	<b>SHUT DOWN</b>	<b>NS</b>
8	Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)	Nm <sup>3</sup> /hr			-
9	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr			-

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

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-17A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Sampling Location	:	<b>AFBC Boiler ESP (25 MW Power Plant)</b>
10	Month of Sampling	:	<b>FEBRUARY-2026</b>
11	Date of Sample Received	:	-
12	Date of Sample Analysis	:	-
13	Date of Sample Analysis completion	:	-
14	Report Issued Date	:	<b>04.03.2026</b>
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 <sup>st</sup> Fort Night	2 <sup>nd</sup> Fort Night	
	Date of Sample Collected			-	-	
	Sample Code			-	-	
6	Ambient Temperature	IS: 11255 (Part 1) - 1985 (RA 2019)	°C			-
7	Nitrogen Dioxide	IS:11255 (Part7): 2005 (RA 2022)	mg/Nm <sup>3</sup>	SHUT DOWN	SHUT DOWN	NS
8	Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)	Nm <sup>3</sup> /hr			-
9	Gas flow Discharge rate at Stack Condition	IS 11255 Part 3: 2008 (RA : 2018)	m <sup>3</sup> /hr			-

Note: NS- Not Specified. RA: Reaffirmed,

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
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ANNEXURE-18A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	11.02.2026
11	Date of Sample Analysis	:	12.02.2026
12	Date of Sample Analysis completion	:	12.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/210</b>

Sl. No	Beneficiation Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>Beneficiation Plant -I</b>						
1	Iron Ore dump hopper	10.02.2026	143	31	2177	-
2	Iron Ore Screen bin	10.02.2026	144	31	2226	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-19A  
Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	12.02.2026
11	Date of Sample Analysis	:	13.02.2026
12	Date of Sample Analysis completion	:	13.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/215</b>

Sl. No	RMHS	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>RMHS</b>						
3	Screen, Coal Crusher (CPU)	11.02.2026	171	30	30821	-
4	Main Crusher	11.02.2026	172	30	3262	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-20A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	07.02.2026
11	Date of Sample Analysis	:	09.02.2026
12	Date of Sample Analysis completion	:	09.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/199</b>

Sl. No	Pellet Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>Pellet Plant - I</b>						
5	AGB Main Bag Filter	07.02.2026	101	31	3192	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	07.02.2026	102	31	1154	-
7	Bentonite Powder bin top bag filter	07.02.2026	103	30	1179	-
8	H-4 Conveyor discharge bag filter	<b>Shutdown</b>	-	-	-	-
9	P-1 Bag Filter	07.02.2026	104	31	3569	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-21A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (1st Fort Night)</b>
10	Date of Sample Received	:	09.02.2026
11	Date of Sample Analysis	:	10.02.2026
12	Date of Sample Analysis completion	:	10.02.2026
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/STACK /2026-27/200</b>

Sl. No	2 X 100 TPD Sponge Iron Kiln 1 & 2	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>2 X 100 TPD Sponge Iron Kiln 1 &amp; 2</b>						
10	Cooler-1 Discharge & Blending Chute	08.02.2026	106	31	19084	-
11	Cooler-2 Discharge	08.02.2026	107	30	19429	-
12	Intermediate Bin & Blending	08.02.2026	108	31	20550	-
13	Product House	08.02.2026	109	30	19838	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-22A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 Dated 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Stack Sampler Sl. No: PT-25/2019
5	Instrument Details	:	Calibration Date: 15.09.2025 Calibration Due Date: 14.09.2026
6	Discipline	:	Chemical
7	Group	:	Atmospheric Pollution
8	Sample Type	:	Stack Monitoring
9	Month of Sampling	:	<b>FEBRUARY-2026 (2<sup>nd</sup>Fort Night)</b>
10	Date of Sample Received	:	-
11	Date of Sample Analysis	:	-
12	Date of Sample Analysis completion	:	-
13	Report Issued Date	:	<b>04.03.2026</b>
14	Report Number	:	-

Sl. No	Induction Furnance 1 & 2	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Induction Furnance 1 &amp; 2</b>						
1	Induction Furnance 1	SHUTDOWN	-	-	-	-
2	Induction Furnance 2	SHUTDOWN	-	-	-	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-23A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**
- 10 Date of Sample Received : 02.03.2026
- 11 Date of Sample Analysis : 03.03.2026
- 12 Date of Sample Analysis completion : 03.03.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **SKAEW/BMMIL/STACK /2026-27/250**

Sl. No	Beneficiation Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>Beneficiation Plant</b>						
1	Iron Ore dump hopper	28.02.2026	376	29	2147	-
2	Iron Ore Screen bin	28.02.2026	377	30	2263	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

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ANNEXURE-24A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**
- 10 Date of Sample Received : 24.02.2026
- 11 Date of Sample Analysis : 25.02.2026
- 12 Date of Sample Analysis completion : 26.02.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **SKAEW/BMMIL/STACK /2026-27/234**

Sl. No	Beneficiation Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>RMHS</b>						
3	Screen, Coal Crusher (CPU)	23.02.2026	315	29	29551	
4	Main Crusher	23.02.2026	316	32	3219	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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3. (\*) Details as Furnished by Customer.
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ANNEXURE-25A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
- 2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026
- 3 Sample collected by : Shri Krishna Aqua Engineering Works
- 4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019
- 5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026
- 6 Discipline : Chemical
- 7 Group : Atmospheric Pollution
- 8 Sample Type : Stack Monitoring
- 9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**
- 10 Date of Sample Received : 18.02.2026 & 19.02.2026
- 11 Date of Sample Analysis : 19.02.2026 & 20.02.2026
- 12 Date of Sample Analysis completion : 19.02.2026 & 20.02.2026
- 13 Report Issued Date : **04.03.2026**
- 14 Report Number : **SKAEW/BMMIL/STACK /2026-27/228**

Sl. No	Pellet Plant	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
<b>Chimneys attached to Bag Filter (De dusting Units)</b>						
<b>Pellet Plant-I</b>						
5	AGB Main Bag Filter	17.02.2026	253	28	3440	-
6	Lime Powder bin top bag Filter/ Powder Coal Main Bag Filter	17.02.2026	254	29	1154	-
7	Bentonite Powder bin top bag filter	17.02.2026	255	30	1181	-
8	H-4 Conveyor discharge bag filter	<b>SHUTDOWN</b>	-	-	-	-
9	P-1 Bag Filter	18.02.2026	258	27	3344	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-26A

Format No: SKAEW/7.8/RF/C/04

## Analysis Report of Stack Emission

- 1 Name of the Industry : BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.  
2 Customer Reference : WORKORDER NO.. 4500004504 Dated 09.01.2026  
3 Sample collected by : Shri Krishna Aqua Engineering Works  
4 Particulars of sample collected : Stack Sampler  
Sl. No: PT-25/2019  
5 Instrument Details : Calibration Date: 15.09.2025  
Calibration Due Date: 14.09.2026  
6 Discipline : Chemical  
7 Group : Atmospheric Pollution  
8 Sample Type : Stack Monitoring  
9 Month of Sampling : **FEBRUARY-2026 (2nd Fort Night)**  
10 Date of Sample Received : 27.02.2026  
11 Date of Sample Analysis : 28.02.2026  
12 Date of Sample Analysis completion : 28.02.2026  
13 Report Issued Date : **04.03.2026**  
14 Report Number : **SKAEW/BMMIL/STACK /2026-27/248**

Sl. No	2 X 100 TPD Sponge Iron Kiln 1 & 2	Date of Sample Collected	Sample Code	Ambient Temperature °C	Gas flow Discharge rate at NTP Nm <sup>3</sup> /hr	KSPCB Std
10	Cooler-1 Discharge & Blending Chute	26.02.2026	364	31	18711	-
11	Cooler-2 Discharge	26.02.2026	365	32	18306	-
12	Intermediate Bin & Blending	26.02.2026	366	29	18308	-
13	Product House	26.02.2026	367	30	20274	-

Parameter	Protocol
Gas flow Discharge rate at NTP	IS 11255 Part 3: 2008 (RA : 2018)

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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-50  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	333
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/GW/2026-27/235

### 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
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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-51  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>334</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/GW/2026-27/236</b>

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

Note: Ab: Absent, NR: No Relaxation



Reviewed & Authorized Signatory

*R. M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-52  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Pollution & Environment
7	Sample Type	:	Ground Water
8	Sample Code	:	335
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/GW/2026-27/237

### 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
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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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ANNEXURE-53

Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	336
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/GW/2026-27/238

### 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
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



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

#### Note:

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ANNEXURE-54  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	337
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/GW/2026-27/239

### 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
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



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

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3. (\*) Details as Furnished by Customer.
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ANNEXURE-55  
Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	Ground Water
8	Sample Code	:	<b>338</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/GW/2026-27/240</b>

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

Note: Ab: Absent, NR: No Relaxation



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

### Note:

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3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-56

Format No: SKAEW/7.8/RF/C/09

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Grab Sampling
5	Discipline	:	Chemical/Biological
6	Group	:	Water
7	Sample Type	:	RO Drinking Water
8	Sample Code	:	339
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	04.03.2026
14	Report Number	:	SKAEW/BMMIL/RO/2026-27/241

### 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
21	Turbidity (NTU)	IS 3025 Part 10: 2023	NTU		1 max	5max
22	Oil & Grease	APHA 24th Edition 5520 B: 2023	mg/L	Nil	0.8max	No Relaxation
23	Phosphorus as P	IS 3025 Part 31 Sec 1: 2022	mg/L	BDL (<0.1)	-	-
24	Selenium as Se	APHA 24th Edition 3114 C: 2023	mg/L	<0.01	0.01max	No Relaxation
25	Nickel as Ni	APHA 24th Edition 3111 B: 2023	mg/L	<0.01	0.02 max	NR
26	Manganese as Mn	APHA 24th Edition 3111 B: 2023	mg/L	<0.01	0.10 max	0.30 max
27	Copper as Cu	APHA 24th Edition 3111 B: 2023	mg/L	<0.01	0.05 max	1.50 max
28	Zinc as Zn	APHA 24th Edition 3111 B: 2023	mg/L	<1.0	5 max	15 max
29	Lead as Pb	APHA 24th Edition 3111 B: 2023	mg/L	<0.01	0.01 max	NR
30	Arsenic as As	APHA 24th Edition 3114B: 2023	mg/L	<0.01	0.01 max	0.05 max
31	Cadmium as Cd	APHA 24th Edition 3111 B: 2023	mg/L	<0.001	0.003 max	NR
32	Cyanides (as CN)	APHA 24th Edition 4500 CN -D: 2023	mg/L	BDL	0.05max	No Relaxation
33	Phenolic Compound as phenols	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	1.0max	-
34	<i>Escherichia coli</i> count	IS :15185:2016	1 CFU/ 100 ml	Absent	Shall not be detectable in any 100ml sample	-

Note: Ab: Absent, NR: No Relaxation,



Reviewed & Authorized Signatory

*R.M. Bengeri*

Mrs. Radha M Bengeri  
Technical Manger

#### Note:

- All results pertain to the sample received and tested only.
- Samples are Retained for 15 days after issue of test reports.
- (\*) Details as Furnished by Customer.
- Total BDL - Below Detectable Limit, DL - Detection Limit.
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ANNEXURE-57  
Format No: SKAEW/7.8/RF/C/06

## Analysis Report of Water Quality Data

1	Name of the Industry	: BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	: WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	: Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	: Composite Sampling
5	Discipline	: Chemical
6	Group	: Pollution & Environment
7	Sample Type	: <b>Sewage Treatment Plant (Outlet)</b>
8	Date of Sampling	: 25.02.2026
9	Sample Received	: 26.02.2026
10	Date of Analysis	: 26.02.2026
11	Date of Analysis Completion	: 03.03.2026
12	Report Issue Date	: <b>04.03.2026</b>

Sl. No.	Parameters	Protocol	Unit	Results			As per KSPCB Std	
				STP 45 KLD I	STP-1 90 KLD II	STP-2 90 KLD III		
Sample code				-	340	341	342	
9.	Odour	IS: 3025 (PART 5)- 1983, RA-2012, True Odour	-	Agree able	Agree able	Agree able	-	
10.	Cyanides (as CN)	APHA 24th Edition 4500 CN -D: 2023	mg/L	BDL	BDL	BDL	-	
11.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	BDL	BDL	-	
12.	Fecal coliform	APHA 24th Edition 9211 B :2023	CFU/100ml	27	32	43	Less than 100	

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

**I-STP 45 KLD** – Near Fortivia, **Report Number: SKAEW/BMMIL/STP/2026-27/242**

**II-STP-1 90 KLD** –Near ISP Area, **Report Number: SKAEW/BMMIL/STP/2026-27/251**

**III-STP-2 90 KLD** –Near Gunda Guest House, **Report Number: SKAEW/BMMIL/STP/2026-27/252**



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
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ANNEXURE-59

Format No: SKAEW/7.8/RF/C/10

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Sampling Procedure	:	SKAEW-LD/SOP/32
6	Discipline	:	Chemical
7	Group	:	Pollution & Environment
8	Sample Type	:	<b>Surface Water</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14.	Report Number	:	<b>SKAEW/BMMIL/SW/2026-27/243</b>

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				Danayakanakere Upstream	Danayakanakere Downstream	
Sample code				343	344	
7	Arsenic as As	APHA 24thEdition3114- B : 2023	mg/L	<0.01	<0.01	0.2
8	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	BDL	0.05
9	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	BDL	0.005
10	<b>Total Coliform Organisms</b>					
	Total Coli forms	IS : 1622:1981	MPN/ 100 ml	80	90	500
	<i>Escherichia coli</i> or <i>E. coli</i>	IS : 1622:1981	MPN/ 100 ml	Absent	Absent	-



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.  
Tel. : 0836-2375678, Mobile : +91 94480 51534, +91 94800 28018,  
E-mail - radhabengeri@gmail.com, shrikrishnaaqua@gmail.com

ANNEXURE-60A  
SKAEW-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.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Sampling Procedure	:	SKAEW-LD/SOP/32
6	Discipline	:	Chemical
7	Group	:	Pollution & Environment
8	Sample Type	:	<b>Surface Water</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/SW/2026-27/245</b>

Sl. No.	Parameters	Protocol	Unit	Results		IS 2296 - 1982 CLASS -B
				KempuHalla Upstream	KempuHalla Downstream	
Sample code				347	348	
7	Arsenic as As	APHA 24thEdition3114- B : 2023	mg/L	<0.01	<0.01	0.2
8	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	BDL	0.05
9	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	BDL	0.005
10	<b>Total Coliform Organisms</b>					
	Total Coli forms	IS : 1622:1981	MPN/ 100 ml	70	90	500
	<i>Escherichia coli</i> or <i>E. coli</i>	IS : 1622:1981	MPN/ 100 ml	Absent	Absent	-



Reviewed & Authorized Signatory

Mrs. Radha M Bengeri  
Technical Manger

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.



# SHRI KRISHNA AQUA ENGINEERING WORKS

H.NO. 3 & 4, LIMBUWALA BUILDING, PRAGATI COLONY,  
1<sup>ST</sup> CROSS, VIDYANAGAR, HUBLI, DHARWAD, KARNATAKA, INDIA.  
Tel. : 0836-2375678, Mobile : +91 94480 51534, +91 94800 28018,  
E-mail - radhabengeri@gmail.com, shrikrishnaaqua@gmail.com

ANNEXURE-61

Format No: SKAEW/7.8/RF/C/10

## Analysis Report of Water Quality Data

1	Name of the Industry	:	BMM Ispat Ltd., Danapur, Hosapete Taluk, Vijayanagara District.
2	Customer Reference	:	WORKORDER NO.. 4500004504 DATED 09.01.2026
3	Sample collected by	:	Shri Krishna Aqua Engineering Works
4	Particulars of sample collected	:	Composite Sampling
5	Sampling Procedure	:	SKAEW-LD/SOP/32
6	Discipline	:	Chemical/Biological
7	Group	:	Pollution & Environment
8	Sample Type	:	<b>Surface Water</b>
9	Date of Sampling	:	25.02.2026
10	Sample Received	:	26.02.2026
11	Date of Analysis	:	26.02.2026
12	Date of Analysis Completion	:	03.03.2026
13	Report Issue Date	:	<b>04.03.2026</b>
14	Report Number	:	<b>SKAEW/BMMIL/SW/2026-27/246</b>

Sl. No.	Parameters	Protocol	Unit	Results	
				Tungabhadra dam	IS 2296 -1982 CLASS -B
<b>Sample Code</b>				<b>349</b>	
8	Total Suspended Solids	APHA 24th Edition 2540 D: 2023	mg/L	26	-
9	Arsenic as As	APHA 24th Edition 3114- B : 2023	mg/L	<0.01	0.2
10	Cyanides (as CN)	APHA 24th Edition 4500 CN -D : 2023	mg/L	BDL	0.05
11	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (part 43)-1992, RA-2014, Chloroform extraction method	mg/L	BDL	0.005
12.	<b>Total Coliform Organisms,</b>				
	Total Coli forms	IS :1622:1981	MPN/100 ml	80	500
	Escherichia coli or E. coli	IS : 1622:1981	MPN/100 ml	Absent	-

**Note:** BDL-Below detectable Limit

**INFERENCE:** The measured values are within the Limit.



Reviewed & Authorized Signatory

*R.M. Bengeri*

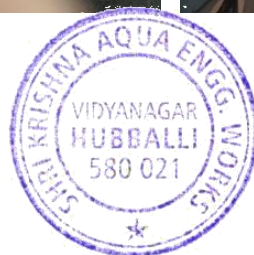
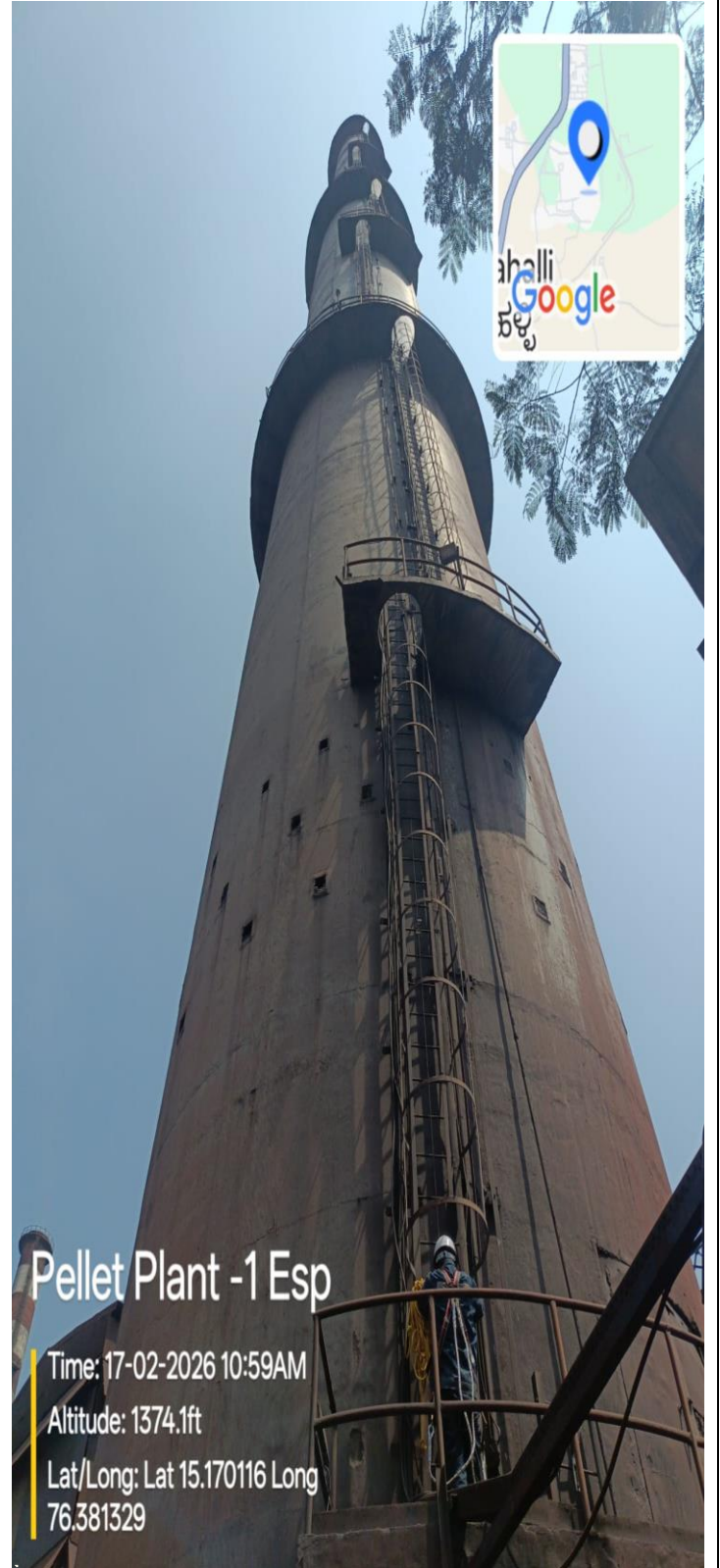
Mrs. Radha M Bengeri  
Technical Manger

**Note:**

1. All results pertain to the sample received and tested only.
2. Samples are Retained for 15 days after issue of test reports.
3. (\*) Details as Furnished by Customer.
4. Total BDL - Below Detectable Limit, DL - Detection Limit.
5. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without written approval of the laboratory. Subjected to Hubli Jurisdiction.

STACKEMISSION LOCATIONS

Pellet Plant-1 ESP

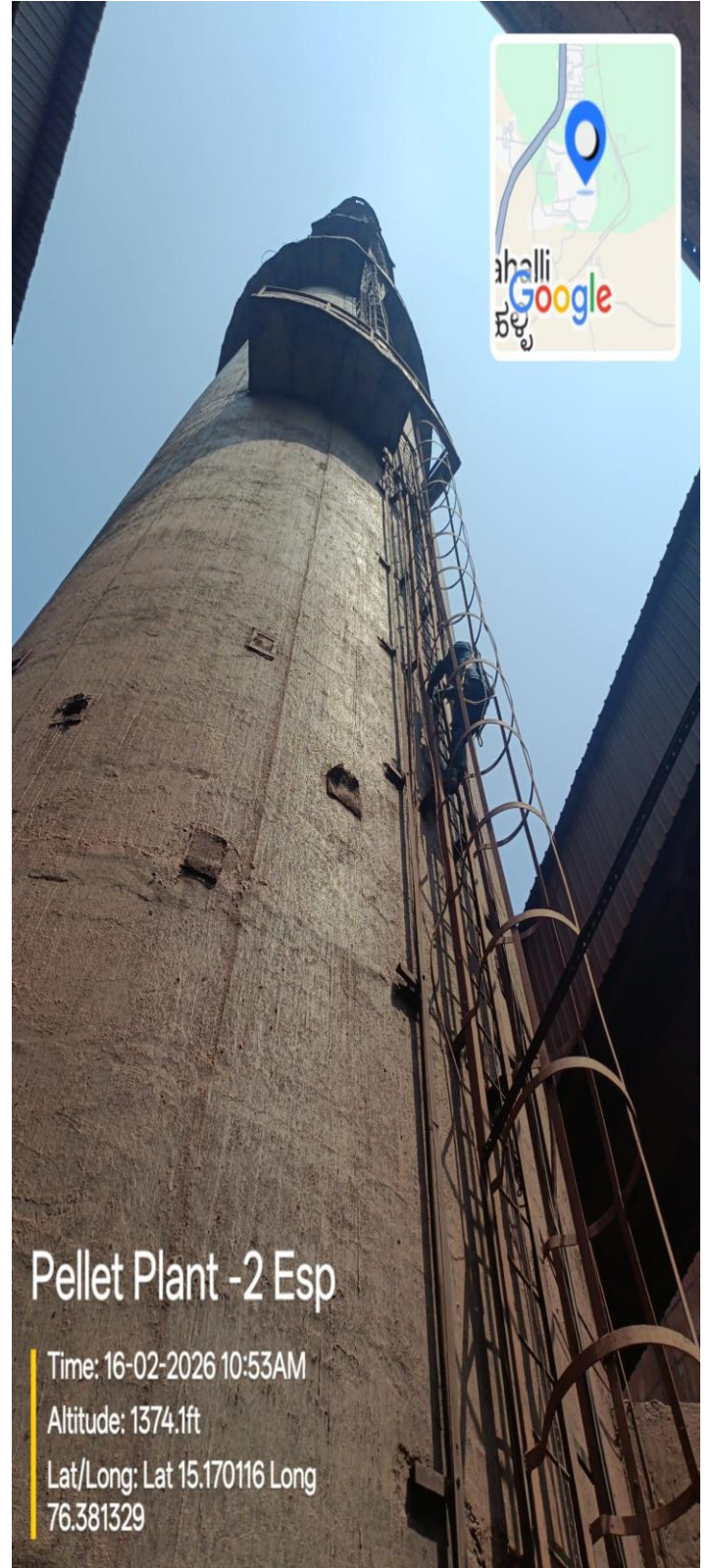
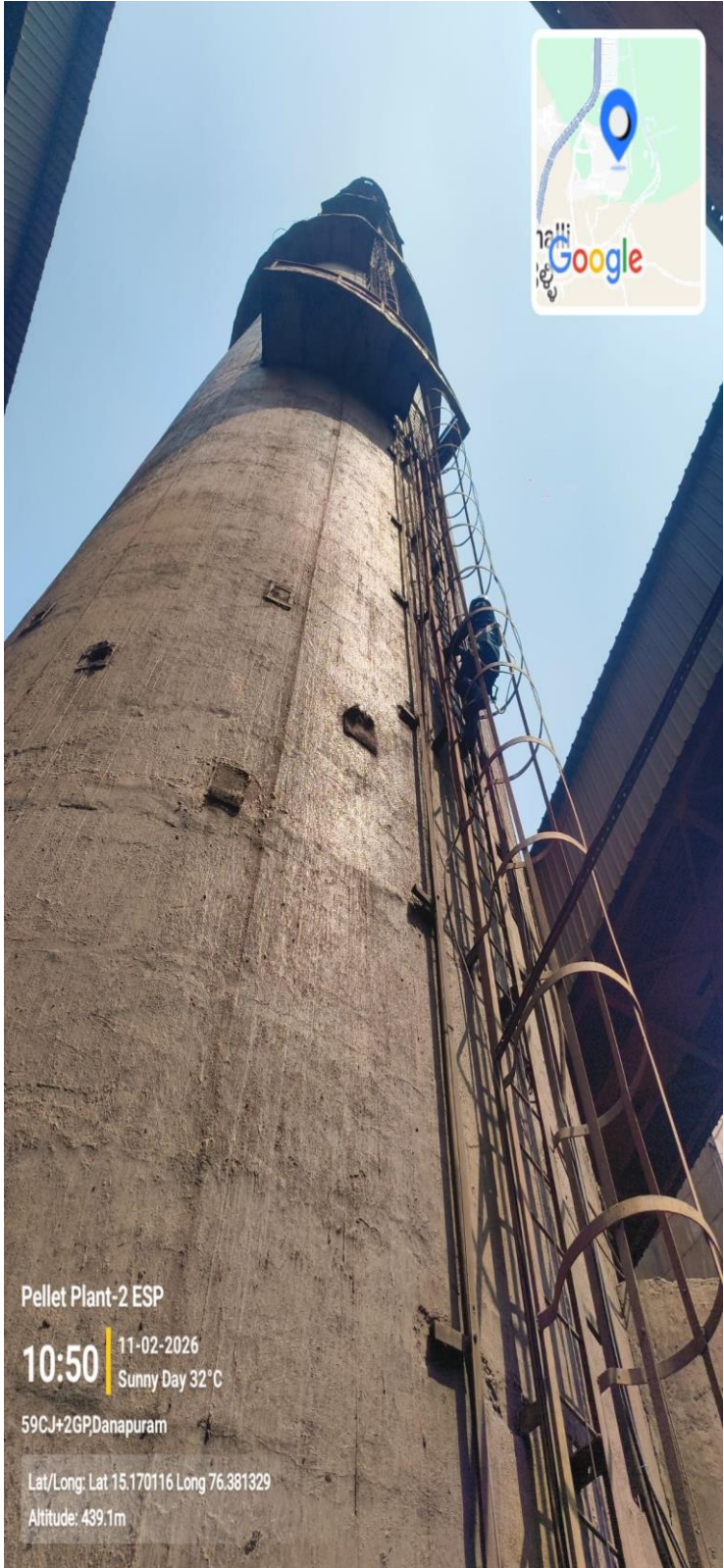


STACK EMISSION LOCATIONS  
2X100 TPD Sponge iron plant Kiln 1 & 2



STACK EMISSION LOCATIONS

Pellet Plant-2 ESP



STACK EMISSION LOCATIONS

SD Axis 3&4

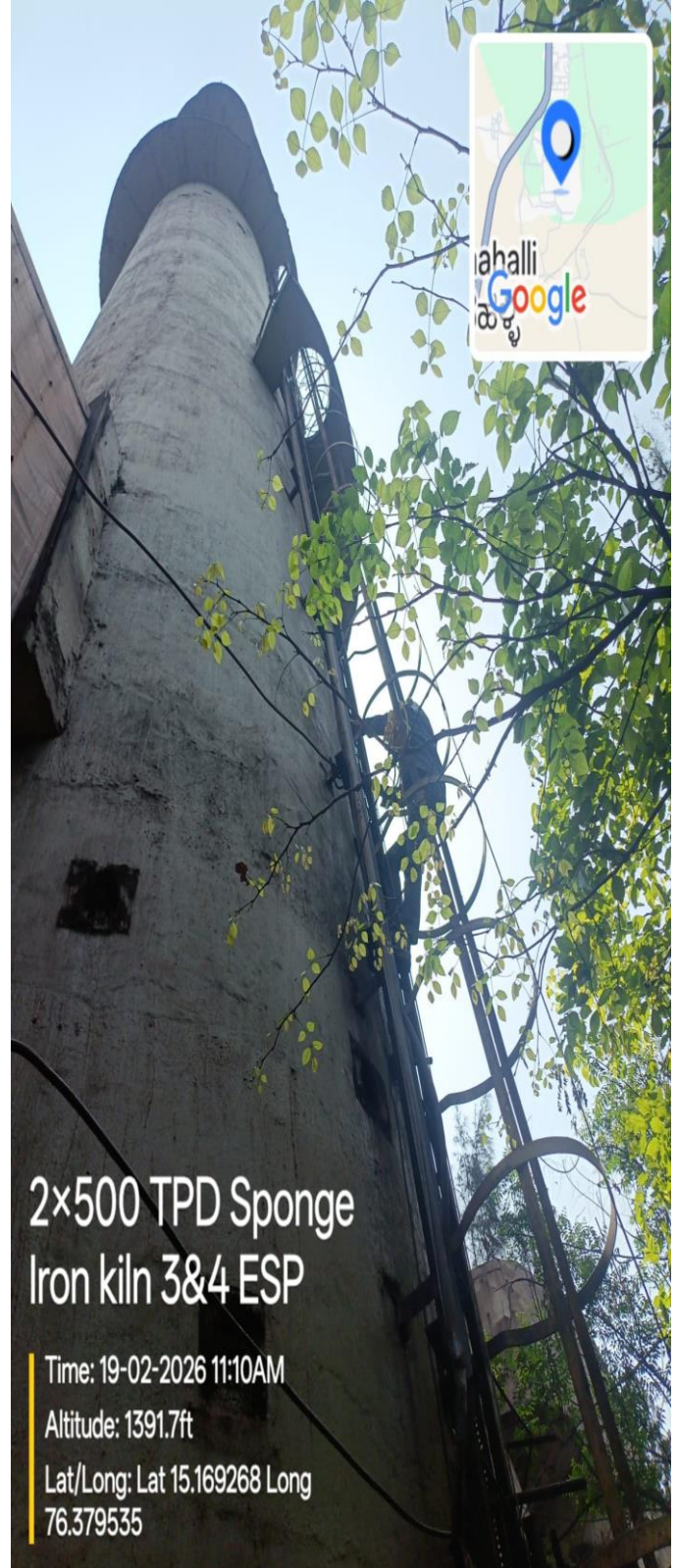


2X500TPD Sponge iron kiln 3&4 ESP

14:20 | 11-02-2026  
Sunny Day 32°C

59CJ+2GPDanapuram

Lat/Long: Lat 15.169268 Long 76.379535  
Altitude: 417.1m



2x500 TPD Sponge  
Iron kiln 3&4 ESP

Time: 19-02-2026 11:10AM

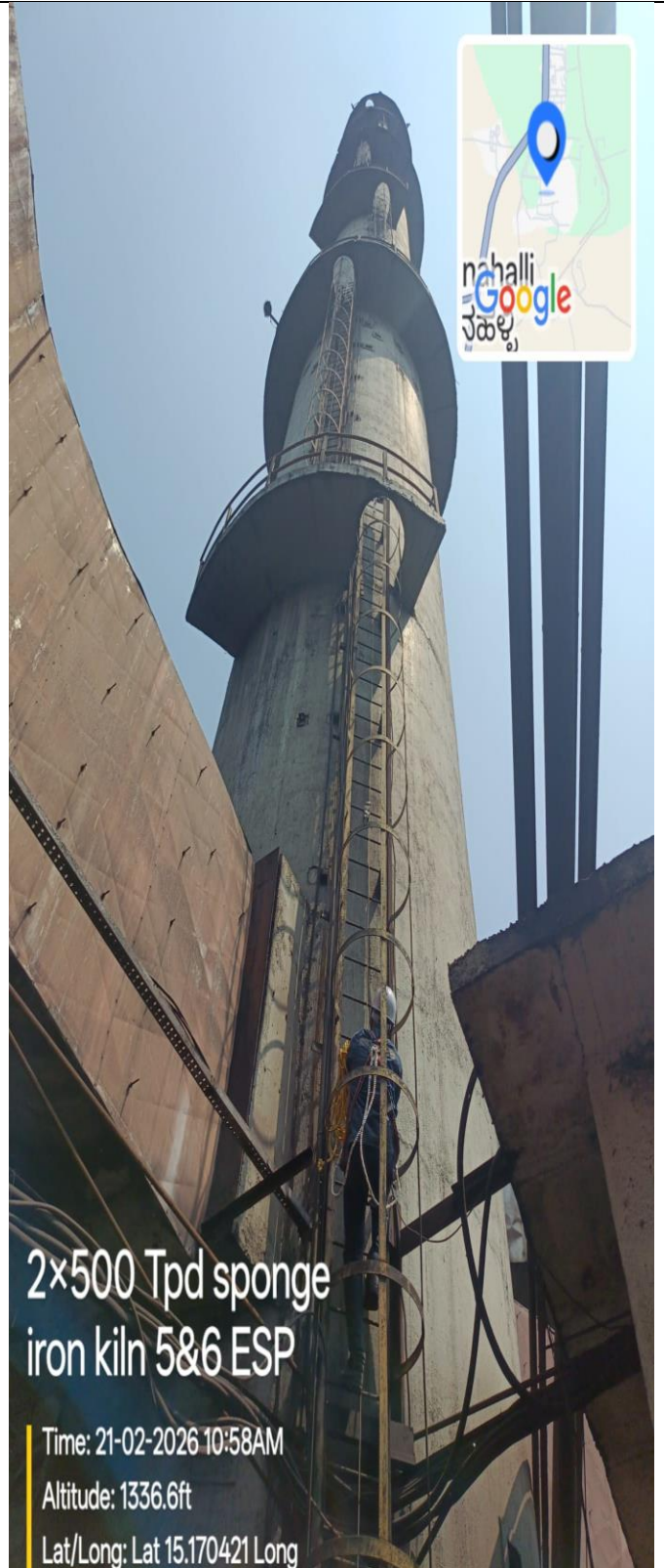
Altitude: 1391.7ft

Lat/Long: Lat 15.169268 Long  
76.379535



STACK EMISSION LOCATIONS

SD Axis 5&6



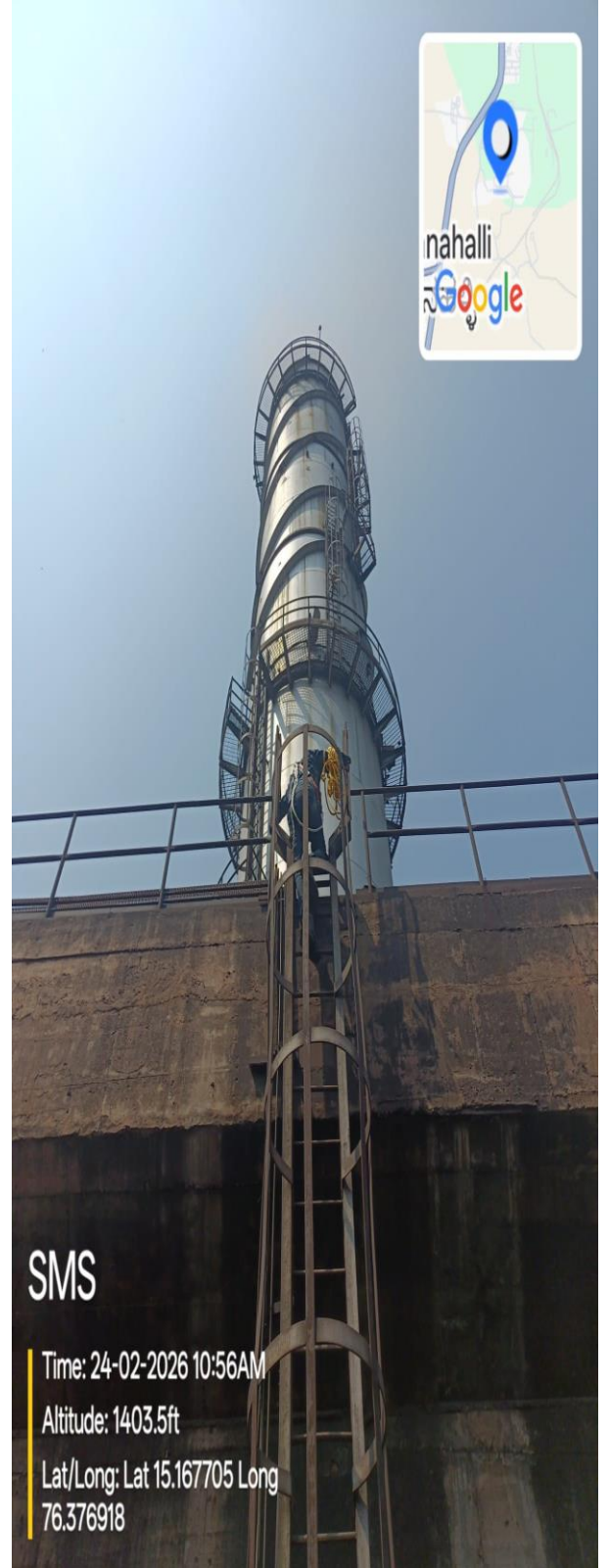
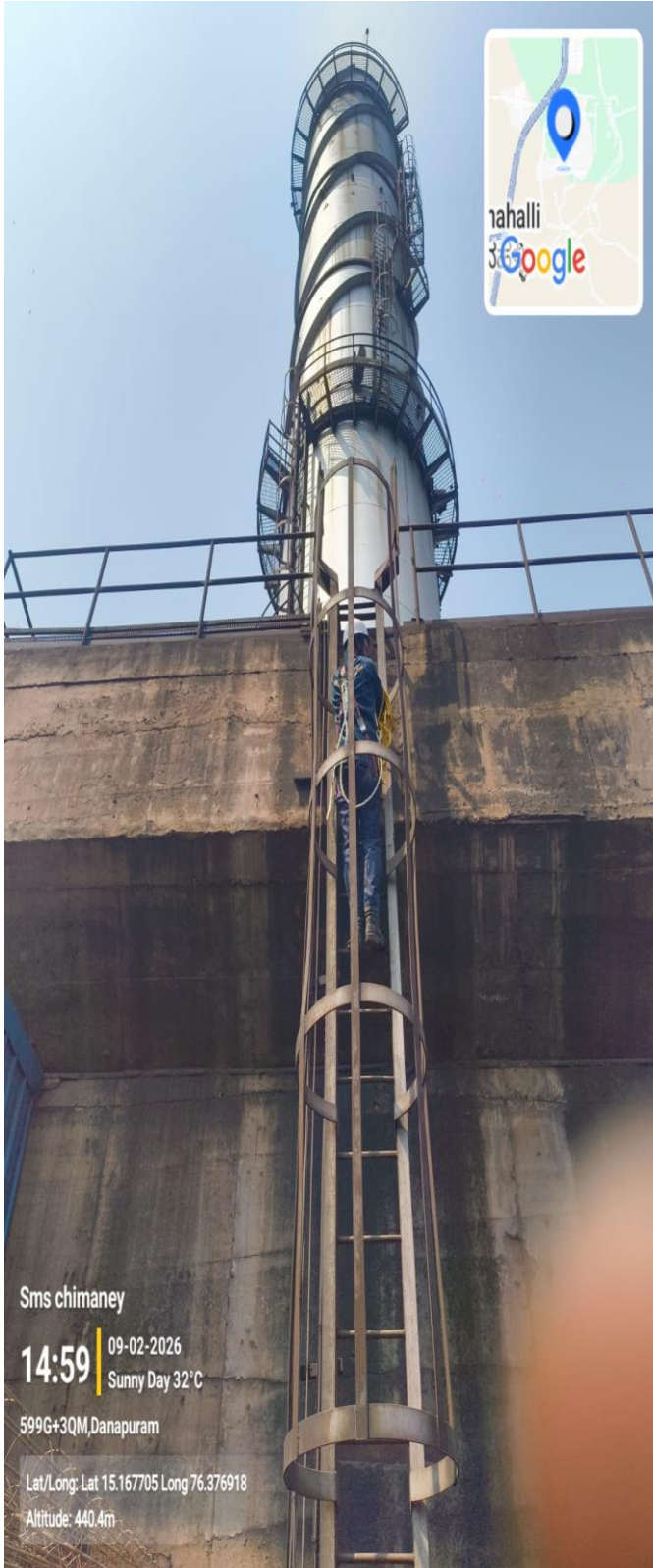
STACK EMISSION LOCATIONS

2x70 MW CFBC Boiler ESP



STACK EMISSION LOCATIONS

SMS



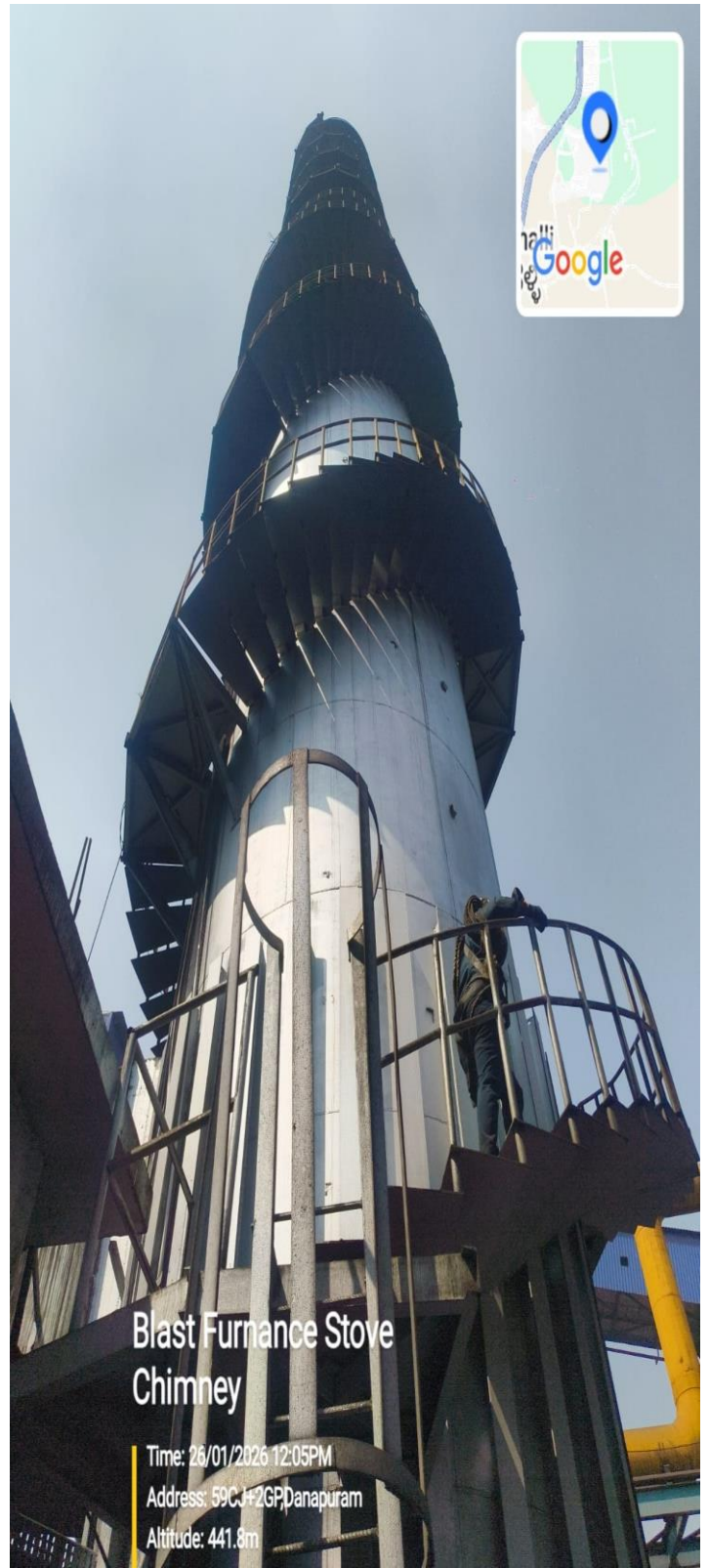
STACK EMISSION LOCATIONS

Barmill



STACK EMISSION LOCATIONS

Blast Furnace - Stove Waste Gas



# WATER SAMPLING LOCATIONS



Danapuram  
ದನಪುರಂ  
Google

Danapur Gw  
Time: 25/02/2026 03:38PM  
Altitude: 545.7m  
Lat/Long: Lat 15.176311 Long 76.372668



ariyamanahalli  
ಃರಿಮನಹಳ್ಳಿ  
Google

Mariyamanahalli (Gw)  
Time: 25/02/2026  
Sunny Day 32°C  
10:29  
Road, Hanumanahalli - Kotturu - Joladakudligi  
Road, Hanumanahalli - Kotturu - Joladakudligi  
Altitude: 441.5m



ದನಪುರಂ  
Google  
tanahalli

hanumanahalli Gw  
Time: 25/02/2026 03:24PM  
Altitude: 399.7m  
Lat/Long: Lat 15.176453 Long 76.373676



Danapuram  
ದನಪುರಂ  
Google

gaaleyyamma gudi  
Gw  
Time: 25/02/2026 03:30PM  
Altitude: 415.6m  
Lat/Long: Lat 15.191517 Long 76.376955



Nagalapur  
ನಾಗಲಾಪುರ  
Google

Gunda thanda Gw  
Time: 25/02/2026 03:54PM  
Altitude: 445.4m  
Lat/Long: Lat 15.145371 Long 76.392177



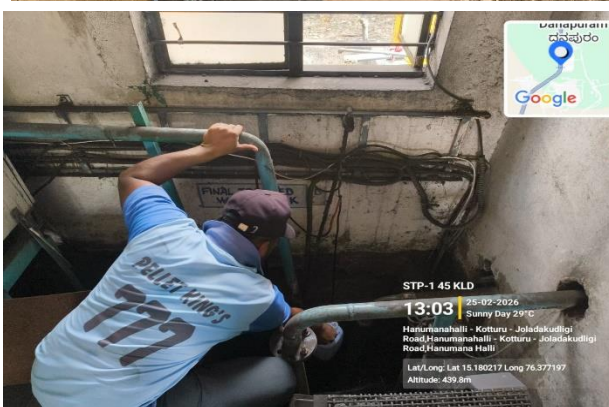
mudra  
ಮುದ್ರಾ  
Google  
Byalaku  
ಬೈಲಕು

G nagalapura Gw  
Time: 25/02/2026 03:29PM  
Altitude: 459.5m  
Lat/Long: Lat 15.13432 Long 76.392406



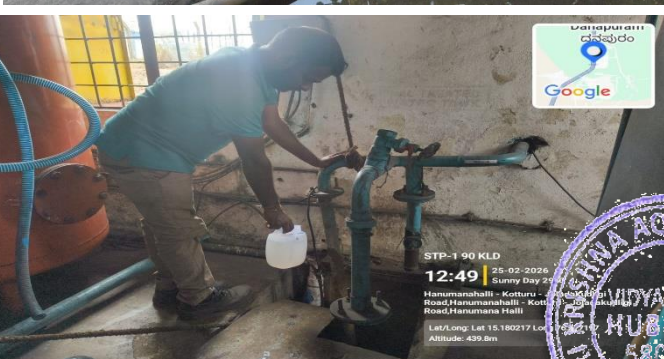
ದನಪುರಂ  
Google

Rd, Drinking Water  
Time: 25/02/2026  
Sunny Day 32°C  
17:06  
59.854VV9, Danapuram  
Lat/Long: Lat 15.166663 Long 76.372222  
Altitude: 363.2m



ದನಪುರಂ  
Google

STP-1 45 KLD  
Time: 25/02/2026  
Sunny Day 29°C  
13:03  
Hanumanahalli - Kotturu - Joladakudligi  
Road, Hanumanahalli - Kotturu - Joladakudligi  
Road, Hanumanahalli - Kotturu - Joladakudligi  
Road, Hanumanahalli - Kotturu - Joladakudligi  
Altitude: 439.8m



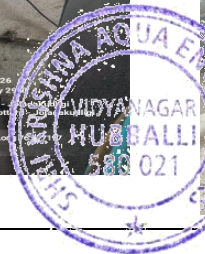
ದನಪುರಂ  
Google

STP-1 90 KLD  
Time: 25/02/2026  
Sunny Day 30°C  
12:49  
Hanumanahalli - Kotturu - Joladakudligi  
Road, Hanumanahalli - Kotturu - Joladakudligi  
Road, Hanumanahalli - Kotturu - Joladakudligi  
Road, Hanumanahalli - Kotturu - Joladakudligi  
Altitude: 459.8m

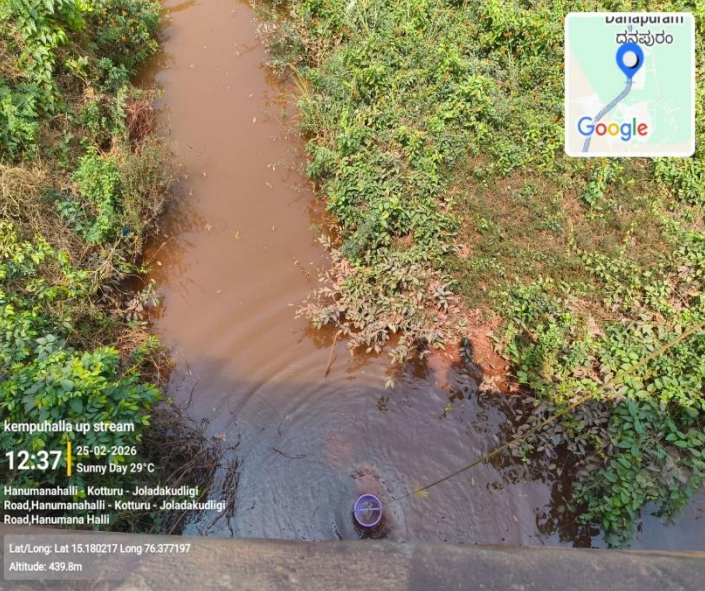
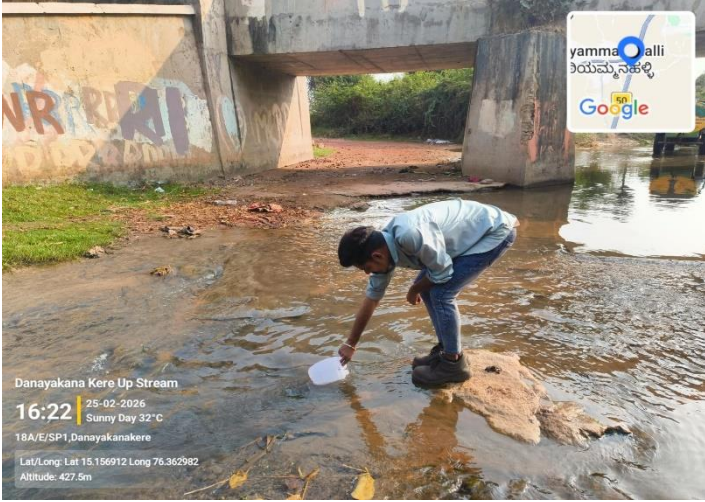


Nagalapur  
ನಾಗಲಾಪುರ  
Google

STP-2 90 kld  
Time: 25/02/2026 04:02PM  
Altitude: 448.1m  
Lat/Long: Lat 15.145371 Long 76.392177

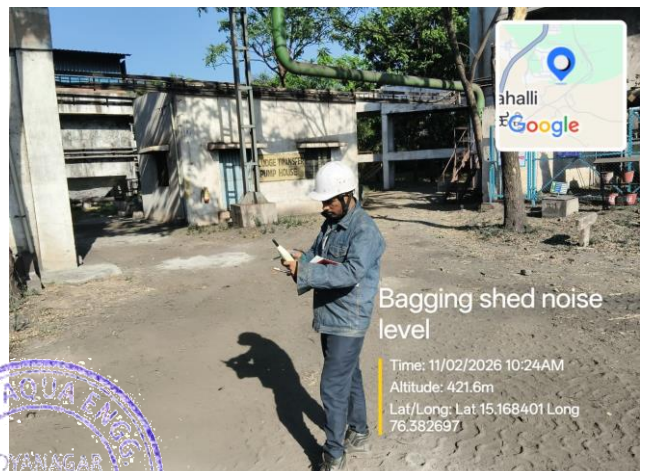
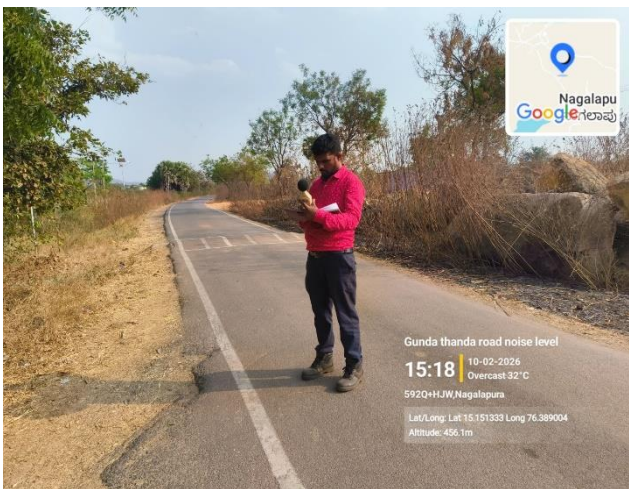
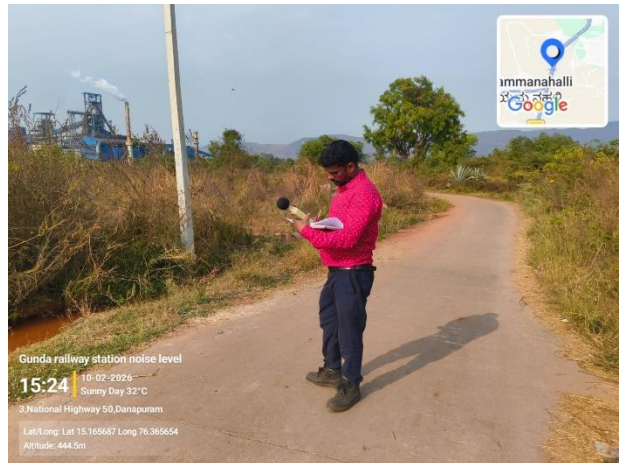
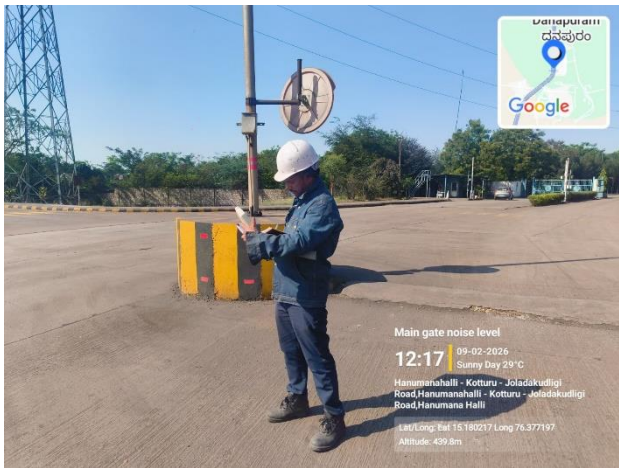


# WATER SAMPLING LOCATIONS



**TUGABADHADRA DAM WATER**  
 25.02.2026

# NOISE MONITORING

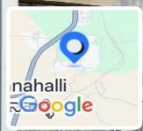


# NOISE MONITORING



Sms vibro feeder noise level

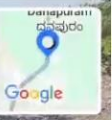
Time: 11/02/2026 02:33PM  
 Altitude: 468.4m  
 Lat/Long: Lat 15.167705 Long 76.376918



Brake plant noise level

10:04 12-02-2026  
 Sunny Day 29°C

Hanumanahalli - Kotturu - Joladakudligi Road, Hanumanahalli - Kotturu - Joladakudligi Road, Hanumana Halli  
 Lat/Long: Lat 15.180217 Long 76.377197  
 Altitude: 439.8m



Danapur Bridge noise level

16:40 12-02-2026  
 Overcast 32°C

Latha V Patel, Danapur Road Hospital  
 Lat/Long: Lat 15.475966 Long 76.374355  
 Altitude: 415.8m



kempuhalli (wagon tippler) noise level

09:43 12-02-2026  
 Sunny Day 29°C

Hanumanahalli - Kotturu - Joladakudligi Road, Hanumanahalli - Kotturu - Joladakudligi Road, Hanumana Halli  
 Lat/Long: Lat 15.180217 Long 76.377197  
 Altitude: 439.8m



2nd gate noise level

16:08 19-02-2026  
 Sunny Day 43°C

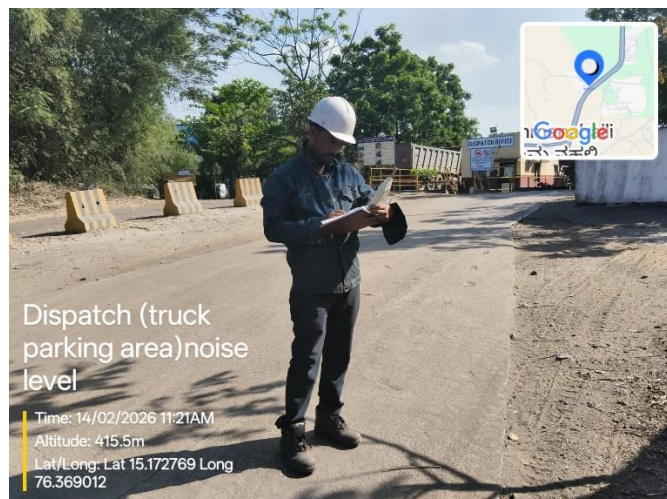
59GF+6MR, Banapuram  
 Lat/Long: Lat 15.175992 Long 76.374145  
 Altitude: 412.5m



Mbm scale pit noise level

Time: 13/02/2026 11:34AM

Altitude: 410.5m  
 Lat/Long: Lat 15.167705 Long 76.376918



Dispatch (truck parking area) noise level

Time: 14/02/2026 11:21AM  
 Altitude: 415.5m  
 Lat/Long: Lat 15.172769 Long 76.369012



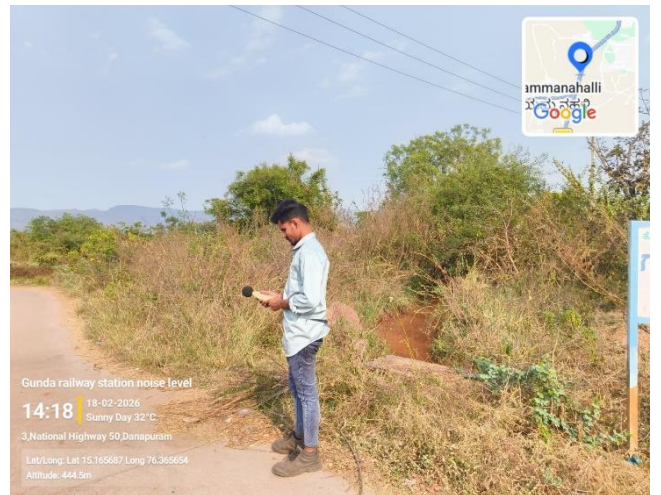
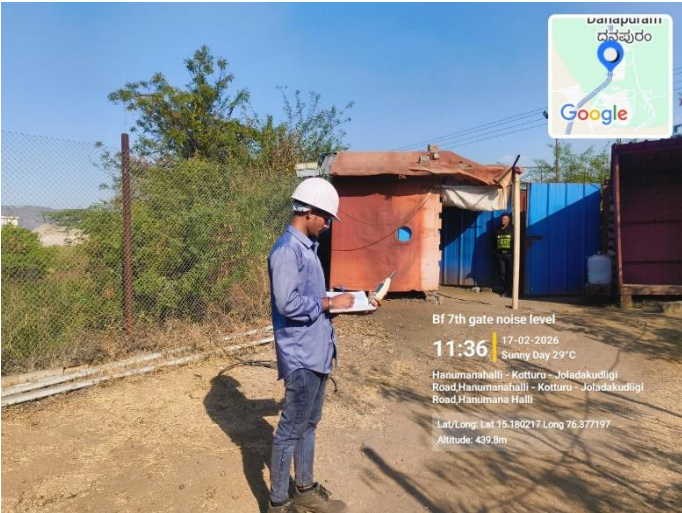
BT Blower area noise level

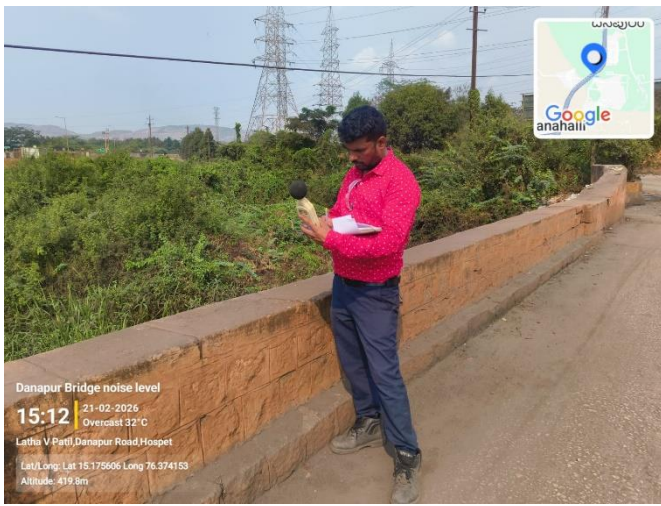
14:09 16-02-2026  
 Sunny Day 39°C

Hanumanahalli - Kotturu - Joladakudligi Road, Hanumanahalli - Kotturu - Joladakudligi Road, Hanumana Halli  
 Lat/Long: Lat 15.180217 Long 76.377197  
 Altitude: 439.8m



# NOISE MONITORING





# AMBIENT AIR QUALITY MONITORING STATION

Location : Danapur

Address T Kotresh S/o T Thyappa Vyasankere colony Danapur

Near VRM Hospital



# AMBIENT AIR QUALITY MONITORING STATION

Location : Mariyamma Halli

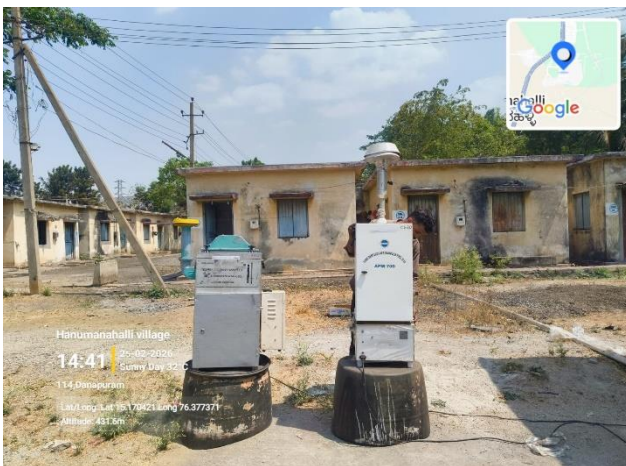
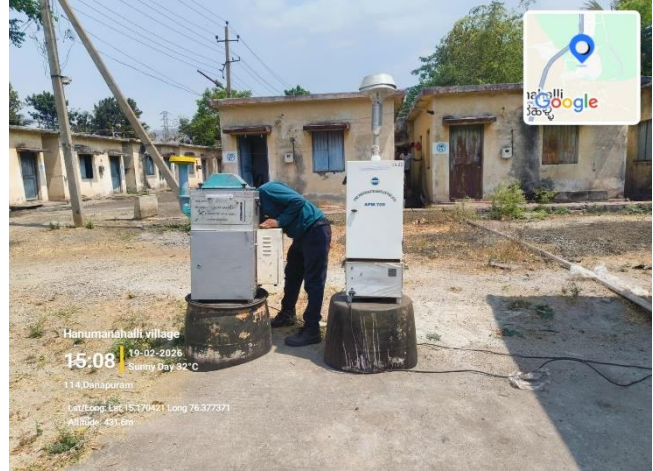
Address: Maruthi G. S/o. Uppara Ramappa 6th ward Venkatapura Road ,MM-halli.



# AMBIENT AIR QUALITY MONITORING STATION

Location: Hanumanahalli

Address: BMMCH Hospital Hanumanahalli Near STP

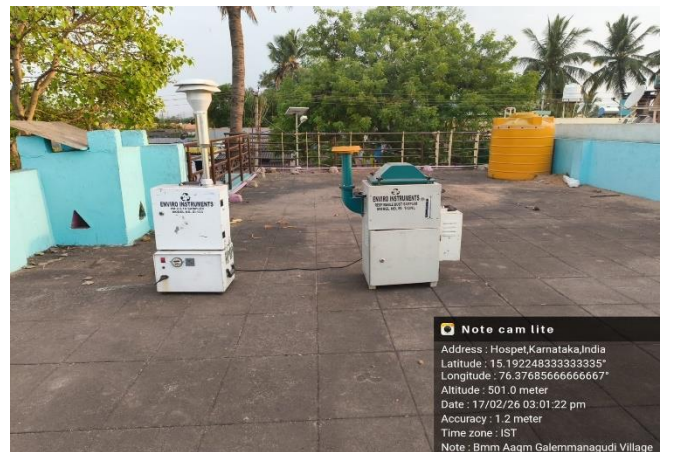


# AMBIENT AIR QUALITY MONITORING STATION

Location: Galemmanagudi

Address: CD Yellappa S/o Dasappa Galemmanagudi Village near welcome board Hanumahalli post

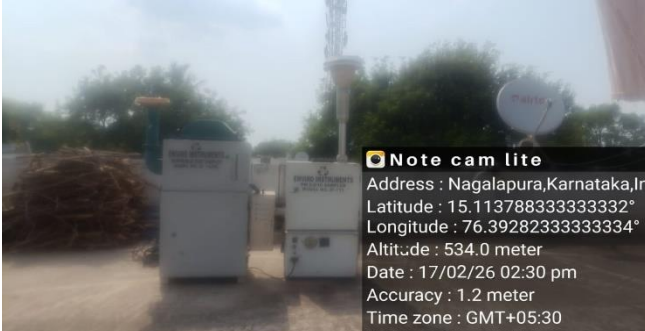
Tq: Hspet Di: Vijayanagara



# AMBIENT AIR QUALITY MONITORING STATION

Location: Nagalapura Village

Address: BManjunath S/o BHamanna G Nagalapura Hspet Tq D : Vijayanagara Near 2nd ward Bus stand Nagalapura

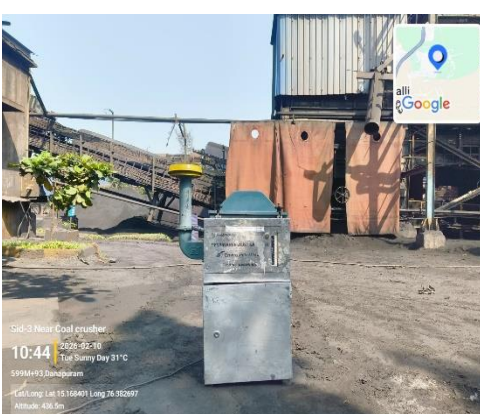
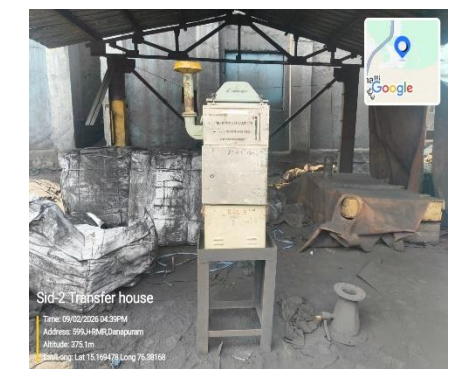


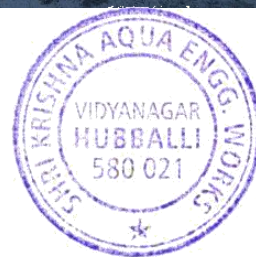
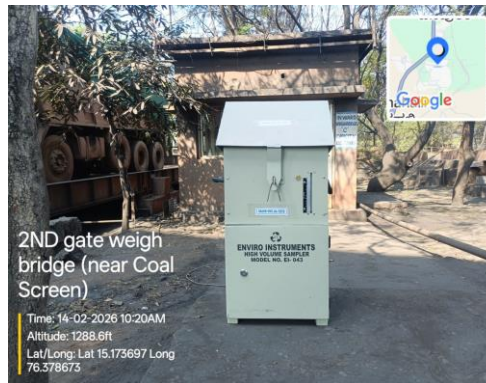
# AMBIENT AIR QUALITY MONITORING STATION

Location: BMM Quatre's

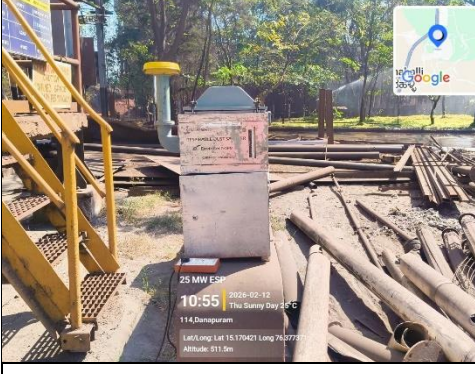
Gunda Thanda













FUGITIVE EMISSION MONITORING

ANNEXURE-8



Near Iron Ore Bottom Hopper

Time: 20-02-2026 10:02AM  
Altitude: 1390.4ft  
Lat/Long: Lat 15.173697 Long 76.378673



Iron Ore Screen

Time: 21-02-2026 10:08AM  
Altitude: 1390.4ft  
Lat/Long: Lat 15.173697 Long 76.378673



Main Canteen

Time: 21-02-2026 10:17AM  
Altitude: 1401.9ft  
Lat/Long: Lat 15.169268 Long 76.379555



Near Pellet Plant

Time: 21-02-2026 10:25AM  
Altitude: 1401.9ft  
Lat/Long: Lat 15.169268 Long 76.379555



Annual Cooler Pellett Discharge Point

Time: 21-02-2026 10:30AM  
Altitude: 1102.1ft  
Lat/Long: Lat 15.169758 Long 76.382427



Pellet Stock Yard

Time: 21-02-2026 09:57AM  
Altitude: 1410.9ft  
Lat/Long: Lat 15.168435 Long 76.382711



Control Room SID-1

Time: 23-02-2026 10:04AM  
Altitude: 1344.0ft  
Lat/Long: Lat 15.172618 Long 76.375643



sid-3 Near Product bin

Time: 23-02-2026 09:54AM  
Altitude: 1374.4ft  
Lat/Long: Lat 15.173697 Long 76.378673



Coal Feeding Area

Time: 23-02-2026 09:58AM  
Altitude: 1344.0ft  
Lat/Long: Lat 15.172618 Long 76.375643



IF Office

Altitude: 1360.0ft  
Lat/Long: Lat 15.168435 Long 76.382711



TMT Stock Yard

Time: 23-02-2026 10:11AM  
Altitude: 1410.9ft  
Lat/Long: Lat 15.168435 Long 76.382711



RML Gasifier

Time: 24-02-2026 10:28AM  
Altitude: 1360.0ft  
Lat/Long: Lat 15.168435 Long 76.382711



25 MW ESP

Time: 24-02-2026 10:15AM  
Altitude: 1344.0ft  
Lat/Long: Lat 15.172618 Long 76.375643



25 mw Acc

Time: 25-02-2026 10:09AM  
Altitude: 0.0ft  
Lat/Long: Lat 15.169663 Long 76.377215

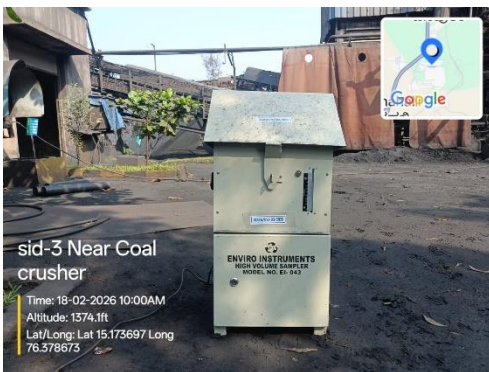
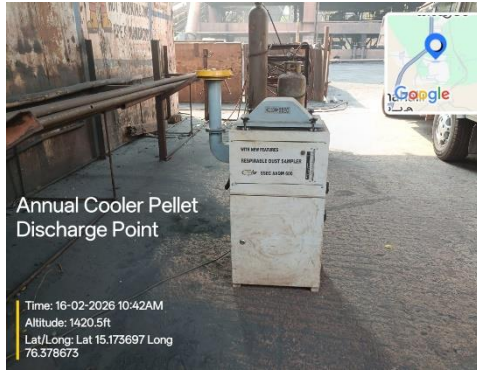


PGP-coal handling system

Time: 24-02-2026 09:49AM  
Altitude: 1377.3ft  
Lat/Long: Lat 15.170663 Long 76.381921











Bf rmhs

Time: 25-02-2026 10:18AM  
 Altitude: 1376.6ft  
 Lat/Long: Lat: 15.170421 Long: 76.377571



Bf stock house

Time: 25-02-2026 10:26AM  
 Altitude: 1376.6ft  
 Lat/Long: Lat: 15.166141 Long: 76.381158



Bf Gas network area

Time: 25-02-2026 10:40AM  
 Altitude: 1405.4ft  
 Lat/Long: Lat: 15.166141 Long: 76.381158



Blower Area

Time: 26-02-2026 09:59AM  
 Altitude: 1344.6ft  
 Lat/Long: Lat: 15.169663 Long: 76.377215



Bf Gas cleaning plant (Gcp)

Time: 25-02-2026 10:43AM  
 Altitude: 1405.8ft  
 Lat/Long: Lat: 15.166141 Long: 76.381158



Stove Area

Time: 26-02-2026 10:10AM  
 Altitude: 1327.7ft  
 Lat/Long: Lat: 15.166141 Long: 76.381158



Slag Granulation plant (SGP)

Time: 26-02-2026 10:27AM  
 Altitude: 1327.7ft  
 Lat/Long: Lat: 15.166141 Long: 76.381158



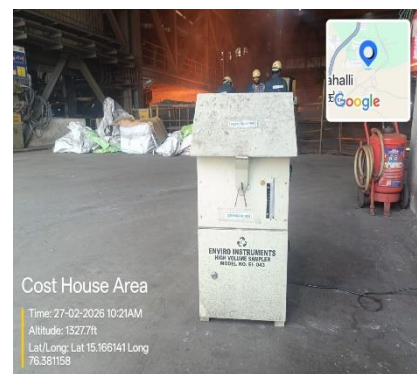
Pig costing mschine (PCM)

Time: 27-02-2026 10:16AM  
 Altitude: 1463.7ft  
 Lat/Long: Lat: 15.165311 Long: 76.365538



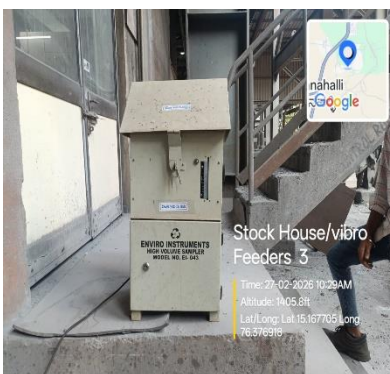
Slag Granulation plant (SGP)

Time: 27-02-2026 10:27AM  
 Altitude: 1327.7ft  
 Lat/Long: Lat: 15.166141 Long: 76.381158



Cost House Area

Time: 27-02-2026 10:21AM  
 Altitude: 1327.7ft  
 Lat/Long: Lat: 15.166141 Long: 76.381158



Stock House/vibro Feeders 3

Time: 27-02-2026 10:29AM  
 Altitude: 1405.8ft  
 Lat/Long: Lat: 15.167705 Long: 76.376918



Ladle Tapping

Time: 27-02-2026 10:38AM  
 Altitude: 1405.8ft  
 Lat/Long: Lat: 15.167705 Long: 76.376918



Slag pouring Area

Time: 27-02-2026 10:24AM  
 Altitude: 1405.8ft  
 Lat/Long: Lat: 15.167705 Long: 76.376918



Near Re-Heating Furnace

Time: 27-02-2026 10:43AM  
 Altitude: 1405.8ft  
 Lat/Long: Lat: 15.167705 Long: 76.376918



# AMBIENT NOISE MONITORING

