



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 01.09.2023
- Date of Sample Receipt** : 02.09.2023
- Analysis Starting Date** : 02.09.2023
- Analysis Completion Date** : 05.09.2023
- Report Issue Date** : 06.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712300007982F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			13582	13583	13584			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	76.4	78.7	70.8	µg / m <sup>3</sup>	75.3	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	31.4	36.6	31.2	µg / m <sup>3</sup>	33.1	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	15.6	17.9	15.3	µg / m <sup>3</sup>	16.3	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	26.8	27.3	22.4	µg / m <sup>3</sup>	25.5	80
5	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	9.3	8.5	7.8	µg / m <sup>3</sup>	8.5	100
6	Lead	IS-5182(Part-22):2019	0.043	0.04	0.032	µg / m <sup>3</sup>	0.038	1
7	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.94	1.12	0.76	mg / m <sup>3</sup>	0.94	2
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	5.6	4.8	4.2	ng / m <sup>3</sup>	4.9	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



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

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

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- Date of Sample Receipt** : 02.09.2023
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- Analysis Completion Date** : 05.09.2023
- Report Issue Date** : 06.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3536

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			4694	4695	4696			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	≤0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



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

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

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MSVAL/AA/RF/01/00

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Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 01.09.2023
- Date of Sample Receipt** : 02.09.2023
- Analysis Starting Date** : 02.09.2023
- Analysis Completion Date** : 05.09.2023
- Report Issue Date** : 06.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712300007983F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			13585	13586	13587			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	56.4	53.7	49.2	µg / m <sup>3</sup>	53.1	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	20.9	23.4	16.4	µg / m <sup>3</sup>	20.2	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	13.45	11.75	10.65	µg / m <sup>3</sup>	12.0	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	18.65	16.45	14.6	µg / m <sup>3</sup>	16.6	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.56	0.5	0.48	mg / m <sup>3</sup>	0.51	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

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MSVAL/AA/RF/01/00

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Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 01.09.2023
- Date of Sample Receipt** : 02.09.2023
- Analysis Starting Date** : 02.09.2023
- Analysis Completion Date** : 05.09.2023
- Report Issue Date** : 06.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3537

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code →			4697	4698	4699			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



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

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

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MSVAL/AA/RF/01/00

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Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 01.09.2023
- Date of Sample Receipt** : 02.09.2023
- Analysis Starting Date** : 02.09.2023
- Analysis Completion Date** : 05.09.2023
- Report Issue Date** : 06.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000007984F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			13588	13589	13590			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	58.2	56	54.8	µg / m <sup>3</sup>	56.3	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	21.7	22.7	15.1	µg / m <sup>3</sup>	19.8	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	14.2	15.3	11.05	µg / m <sup>3</sup>	13.5	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	18.7	15.6	14.8	µg / m <sup>3</sup>	16.4	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.44	0.42	0.4	mg / m <sup>3</sup>	0.42	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

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- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 01.09.2023
- Date of Sample Receipt** : 02.09.2023
- Analysis Starting Date** : 02.09.2023
- Analysis Completion Date** : 05.09.2023
- Report Issue Date** : 06.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3538

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code ->			4700	4701	4702			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	<b>As per NAAQS Standards</b> <b>Report Status :- The analyzed values for above measured parameter are within the limits</b>
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Analysed by

Authorized Signatory

B.Chinna Lingana Gouda  
Chief Executive of the Laboratory



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TC- 4071

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Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 01.09.2023
- Date of Sample Receipt** : 02.09.2023
- Analysis Starting Date** : 02.09.2023
- Analysis Completion Date** : 05.09.2023
- Report Issue Date** : 06.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000007985F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code →			13591	13592	13593			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	60.5	57.2	54.5	µg / m <sup>3</sup>	57.4	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	22.7	25.8	17.2	µg / m <sup>3</sup>	21.9	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	14.1	16.4	11.5	µg / m <sup>3</sup>	14.0	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	19.55	17	14.9	µg / m <sup>3</sup>	17.2	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.38	0.36	0.32	mg / m <sup>3</sup>	0.35	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Name of the location : Bommanahal Village
3. Sample Collected By : MSV Analytical Laboratories, Bellary.
4. Particulars of the sampling Equipments : Sample collected with RDS APM 4601799-DTI-2010 and FDS
5. Date of Monitoring : 01.09.2023
6. Date of Sample Receipt : 02.09.2023
7. Analysis Starting Date : 02.09.2023
8. Analysis Completion Date : 05.09.2023
9. Report Issue Date : 06.09.2023
10. Sampling Protocol : IS 5182 : Part 14 : 2019
- Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Ambient Air      ULR No: MSVAL/2023/3539

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			4703	4704	4705			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory



Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

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# MSV Analytical Laboratories

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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Name of the location : Main Gate
3. Sample Collected By : MSV Analytical Laboratories, Bellary.
4. Particulars of the sampling Equipments : Sample collected with RDS 460BL and FDS
5. Date of Monitoring : 05.09.2023
6. Date of Sample Receipt : 06.09.2023
7. Analysis Starting Date : 06.09.2023
8. Analysis Completion Date : 11.09.2023
9. Report Issue Date : 12.09.2023
10. Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000008290F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			14068	14069	14070			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	76.6	83.4	70.2	µg / m <sup>3</sup>	76.7	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	36.6	39.8	32.2	µg / m <sup>3</sup>	36.2	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	17.2	20.4	18.8	µg / m <sup>3</sup>	18.8	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	24.2	27.6	22.3	µg / m <sup>3</sup>	24.7	80
5	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	8.6	12.2	7.4	µg / m <sup>3</sup>	9.4	100
6	Lead	IS-5182(Part-22):2019	0.047	0.041	0.036	µg / m <sup>3</sup>	0.041	1
7	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.9	1.04	0.72	mg / m <sup>3</sup>	0.89	2
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	9.8	8.7	7.6	ng / m <sup>3</sup>	8.7	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

<b>INFERENCE</b>	<b>As per NAAQS Standards</b> <b>Report Status :- The analyzed values for above measured parameter are within the limits</b>
------------------	---

Analysed by



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

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.  
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# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 05.09.2023
- Date of Sample Receipt** : 06.09.2023
- Analysis Starting Date** : 06.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 12.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3642

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			4843	4844	4845			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by



Authorized Signatory  
  
B. Chinna Lingana Gouda  
Chief Executive of the Laboratory

**Note:** 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 05.09.2023
- Date of Sample Receipt** : 06.09.2023
- Analysis Starting Date** : 06.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 12.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: TC407123000008291F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
		Sample Code-→	14071	14072	14073			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	60.5	63.4	55.6	µg / m <sup>3</sup>	59.8	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	21.3	19.5	17.8	µg / m <sup>3</sup>	19.5	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	14.4	15.7	11.2	µg / m <sup>3</sup>	13.8	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	15.2	17.6	14.8	µg / m <sup>3</sup>	15.9	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.42	0.48	0.33	mg / m <sup>3</sup>	0.41	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.  
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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 05.09.2023
- Date of Sample Receipt** : 06.09.2023
- Analysis Starting Date** : 06.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 12.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3643

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			4846	4847	4848			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by



Authorized Signatory  
  
B.Chinnna Lingana Gouda  
Chief Executive of the Laboratory

**Note:** 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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5. Sampling is not done by us unless otherwise specified.

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# MSV Analytical Laboratories

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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 05.09.2023
- Date of Sample Receipt** : 06.09.2023
- Analysis Starting Date** : 06.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 12.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000008292F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			14074	14075	14076			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	62.8	60.5	57.2	µg / m <sup>3</sup>	60.2	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	21.4	25.3	17.8	µg / m <sup>3</sup>	21.5	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	13.4	12.05	11.15	µg / m <sup>3</sup>	12.2	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	18.65	17.95	15.7	µg / m <sup>3</sup>	17.4	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.47	0.42	0.38	mg / m <sup>3</sup>	0.42	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
-----------	---

Analysed by



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

Authorized Signatory  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note:** 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 05.09.2023
- Date of Sample Receipt** : 06.09.2023
- Analysis Starting Date** : 06.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 12.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3644

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			4849	4850	4851			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chirna Lingana Gouda  
Chief Executive of the Laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC-4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 05.09.2023
- Date of Sample Receipt** : 06.09.2023
- Analysis Starting Date** : 06.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 12.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000008293F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code ->			14077	14078	14079			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	64.5	62.7	60.0	µg / m <sup>3</sup>	62.4	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	22.6	24.2	19.8	µg / m <sup>3</sup>	22.2	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	14.4	16.9	11	µg / m <sup>3</sup>	14.1	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	18.7	21.2	15.65	µg / m <sup>3</sup>	18.5	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.47	0.54	0.42	mg / m <sup>3</sup>	0.48	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



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

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
  - This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
  - Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.
  - Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 05.09.2023
- Date of Sample Receipt** : 06.09.2023
- Analysis Starting Date** : 06.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 12.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3645

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			4852	4853	4854			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory



**Note:** 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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# MSV Analytical Laboratories

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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 08.09.2023
- Date of Sample Receipt** : 09.09.2023
- Analysis Starting Date** : 09.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 14.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Ambient Air      ULR No: TC407123000008652F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			14616	14617	14618			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	79.5	82.6	77.3	µg / m <sup>3</sup>	79.8	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	33.7	36.4	31.3	µg / m <sup>3</sup>	33.8	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	20.4	24.1	18.3	µg / m <sup>3</sup>	20.9	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	27.3	29.7	25	µg / m <sup>3</sup>	27.3	80
5	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	11.7	12.8	10.8	µg / m <sup>3</sup>	11.8	100
6	Lead	IS-5182(Part-22):2019	0.035	0.041	0.03	µg / m <sup>3</sup>	0.035	1
7	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.35	0.39	0.3	mg / m <sup>3</sup>	0.35	2
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	4.7	7.3	4.2	ng / m <sup>3</sup>	5.4	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location : Main Gate
- Sample Collected By : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments : Sample collected with RDS 460BL and FDS
- Date of Monitoring : 08.09.2023
- Date of Sample Receipt : 09.09.2023
- Analysis Starting Date : 09.09.2023
- Analysis Completion Date : 11.09.2023
- Report Issue Date : 14.09.2023
- Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3735

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			4978	4979	4980			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

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



Note: 1.The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 08.09.2023
- Date of Sample Receipt** : 09.09.2023
- Analysis Starting Date** : 09.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 14.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000008653F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			14619	14620	14621			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	55.3	57.3	53.2	µg / m <sup>3</sup>	55.3	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	21.2	23.7	19.8	µg / m <sup>3</sup>	21.6	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	12.4	15.5	10.3	µg / m <sup>3</sup>	12.7	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	14.7	17.7	13	µg / m <sup>3</sup>	15.1	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.43	0.47	0.3	mg / m <sup>3</sup>	0.40	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by

Authorized Signatory  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory



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

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 08.09.2023
- Date of Sample Receipt** : 09.09.2023
- Analysis Starting Date** : 09.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 14.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3736

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			4981	4982	4983			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	<b>As per NAAQS Standards</b> Report Status :- The analyzed values for above measured parameter are within the limits
------------------	--

Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 08.09.2023
- Date of Sample Receipt** : 09.09.2023
- Analysis Starting Date** : 09.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 14.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Ambient Air      ULR No: TC40712300008654F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			14622	14623	14624			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	58.4	62.3	56.4	µg / m <sup>3</sup>	59.0	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	20.3	23.2	18.5	µg / m <sup>3</sup>	20.7	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	12	16.4	11.2	µg / m <sup>3</sup>	13.2	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	15.7	17.7	12.5	µg / m <sup>3</sup>	15.3	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.46	0.5	0.31	mg / m <sup>3</sup>	0.42	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

### INFERENCE

As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 08.09.2023
- Date of Sample Receipt** : 09.09.2023
- Analysis Starting Date** : 09.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 14.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3737

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			4984	4985	4986			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

**Note:** 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.

5. Sampling is not done by us unless otherwise specified.

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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 08.09.2023
- Date of Sample Receipt** : 09.09.2023
- Analysis Starting Date** : 09.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 14.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712300008655F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			14625	14626	14627			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	57.7	62.2	48.3	µg / m <sup>3</sup>	56.1	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	15.3	17.4	16.3	µg / m <sup>3</sup>	16.3	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	10.3	12	10.9	µg / m <sup>3</sup>	11.1	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	14.2	15.6	14.7	µg / m <sup>3</sup>	14.8	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.26	0.31	0.24	mg / m <sup>3</sup>	0.27	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B. Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
  - This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
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  - Sampling is not done by us unless otherwise specified.



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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 08.09.2023
- Date of Sample Receipt** : 09.09.2023
- Analysis Starting Date** : 09.09.2023
- Analysis Completion Date** : 11.09.2023
- Report Issue Date** : 14.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3738

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			4987	4988	4989			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

**Note:** 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 11.09.2023
- Date of Sample Receipt** : 12.09.2023
- Analysis Starting Date** : 12.09.2023
- Analysis Completion Date** : 15.09.2023
- Report Issue Date** : 15.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000008780F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			14847	14848	14849			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	80.7	84.6	76.3	µg / m <sup>3</sup>	80.5	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	37.2	40.7	34.3	µg / m <sup>3</sup>	37.4	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	19.6	22.1	16.5	µg / m <sup>3</sup>	19.4	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	25.8	28.0	23.9	µg / m <sup>3</sup>	25.9	80
5	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	11.3	14.3	10.2	µg / m <sup>3</sup>	11.9	100
6	Lead	IS-5182(Part-22):2019	0.024	0.030	0.020	µg / m <sup>3</sup>	0.025	1
7	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.84	0.63	0.62	mg / m <sup>3</sup>	0.70	2
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	5.9	7.2	3.2	ng / m <sup>3</sup>	5.4	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note:
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
  - This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
  - Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.
  - Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 11.09.2023
- Date of Sample Receipt** : 12.09.2023
- Analysis Starting Date** : 12.09.2023
- Analysis Completion Date** : 15.09.2023
- Report Issue Date** : 15.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3824

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5162	5163	5164			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

**Note:** 1.The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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5. Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 11.09.2023
- Date of Sample Receipt** : 12.09.2023
- Analysis Starting Date** : 12.09.2023
- Analysis Completion Date** : 15.09.2023
- Report Issue Date** : 15.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Ambient Air      ULR No: TC407123000008781F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			14850	14851	14852			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	55.3	60.3	53.2	µg / m <sup>3</sup>	56.3	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	19.2	21.4	17.3	µg / m <sup>3</sup>	19.3	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	12.0	14.1	10.3	µg / m <sup>3</sup>	12.1	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	16.1	17.8	13.8	µg / m <sup>3</sup>	15.9	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.36	0.40	0.34	mg / m <sup>3</sup>	0.37	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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# MSV Analytical Laboratories

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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 11.09.2023
- Date of Sample Receipt** : 12.09.2023
- Analysis Starting Date** : 12.09.2023
- Analysis Completion Date** : 15.09.2023
- Report Issue Date** : 15.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3825

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5165	5166	5167			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory



**Note:** 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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5. Sampling is not done by us unless otherwise specified

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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 11.09.2023
- Date of Sample Receipt** : 12.09.2023
- Analysis Starting Date** : 12.09.2023
- Analysis Completion Date** : 15.09.2023
- Report Issue Date** : 15.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000008782F

S.No	Parameter	Protocols	Shift wise results			4Units	Result in Avg.	Tolerance limits
			1	2	3			
		Sample Code→	14853	14854	14855			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	54.6	58.4	49.6	µg / m <sup>3</sup>	54.2	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	18.7	21.3	16.3	µg / m <sup>3</sup>	18.8	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	8.2	12.0	6.8	µg / m <sup>3</sup>	9.0	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	14.7	16.8	11.6	µg / m <sup>3</sup>	14.4	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.38	0.50	0.22	mg / m <sup>3</sup>	0.37	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

**INFERENCE** As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.  
5. Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 11.09.2023
- Date of Sample Receipt** : 12.09.2023
- Analysis Starting Date** : 12.09.2023
- Analysis Completion Date** : 15.09.2023
- Report Issue Date** : 15.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3826

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5168	5169	5170			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

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



**Note:** 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location : Bommanahal Village
- Sample Collected By : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring : 11.09.2023
- Date of Sample Receipt : 12.09.2023
- Analysis Starting Date : 12.09.2023
- Analysis Completion Date : 15.09.2023
- Report Issue Date : 15.09.2023
- Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000008783F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			14856	14857	14858			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	50.3	56.3	49.6	µg / m <sup>3</sup>	52.1	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	18.7	25.3	16.5	µg / m <sup>3</sup>	20.2	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	7.9	11	7.1	µg / m <sup>3</sup>	8.7	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	13.9	15.6	11.6	µg / m <sup>3</sup>	13.7	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.34	0.38	0.29	mg / m <sup>3</sup>	0.34	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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5. Sampling is not done by us unless otherwise specified.

3/



# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location : Bommanahal Village
- Sample Collected By : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring : 11.09.2023
- Date of Sample Receipt : 12.09.2023
- Analysis Starting Date : 12.09.2023
- Analysis Completion Date : 15.09.2023
- Report Issue Date : 15.09.2023
- Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: MSVAL/2023/3827

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5171	5172	5173			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief Executive of the Laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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5. Sampling is not done by us unless otherwise specified.

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# MSV Analytical Laboratories

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(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 15.09.2023
- Date of Sample Receipt** : 16.09.2023
- Analysis Starting Date** : 16.09.2023
- Analysis Completion Date** : 22.09.2023
- Report Issue Date** : 23.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000009226F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			15541	15542	15543			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	86.6	88.3	75.2	µg / m <sup>3</sup>	83.4	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	33.7	37.6	30.3	µg / m <sup>3</sup>	33.9	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	15.2	17.6	13.4	µg / m <sup>3</sup>	15.4	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	22.5	26.6	19.7	µg / m <sup>3</sup>	22.9	80
5	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	12.3	11.8	11.5	µg / m <sup>3</sup>	11.9	100
6	Lead	IS-5182(Part-22):2019	0.042	0.038	0.032	µg / m <sup>3</sup>	0.037	1
7	Carbon Monoxide as CO	MSVAL/SOP/A/007	1.02	1.36	0.84	mg / m <sup>3</sup>	1.07	2
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	4.63	7.24	3.88	ng / m <sup>3</sup>	5.25	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 15.09.2023
- Date of Sample Receipt** : 16.09.2023
- Analysis Starting Date** : 16.09.2023
- Analysis Completion Date** : 22.09.2023
- Report Issue Date** : 23.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3916

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5335	5336	5337			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory



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

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location : Kuruvalli Village
- Sample Collected By : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring : 15.09.2023
- Date of Sample Receipt : 16.09.2023
- Analysis Starting Date : 16.09.2023
- Analysis Completion Date : 22.09.2023
- Report Issue Date : 23.09.2023
- Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000009227F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			15544	15545	15546			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	61.5	58.4	55.2	µg / m <sup>3</sup>	58.4	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	21.8	25.3	16.5	µg / m <sup>3</sup>	21.2	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	14	12.1	11.3	µg / m <sup>3</sup>	12.5	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	18.8	20.1	14.1	µg / m <sup>3</sup>	17.7	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.6	0.52	0.18	mg / m <sup>3</sup>	0.43	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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# MSV Analytical Laboratories

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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 15.09.2023
- Date of Sample Receipt** : 16.09.2023
- Analysis Starting Date** : 16.09.2023
- Analysis Completion Date** : 22.09.2023
- Report Issue Date** : 23.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3917

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5338	5339	5340			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief executive of the laboratory

**Note:** 1.The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.

4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.

5. Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 15.09.2023
- Date of Sample Receipt** : 16.09.2023
- Analysis Starting Date** : 16.09.2023
- Analysis Completion Date** : 22.09.2023
- Report Issue Date** : 23.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Ambient Air      ULR No: TC40712300009228F

S.No	Parameter	Protocols	Shift wise results			4Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			15547	15548	15549			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	58.6	55.7	52.2	µg / m <sup>3</sup>	55.5	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	22.2	19.2	17.5	µg / m <sup>3</sup>	19.6	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	13.8	15.4	10.6	µg / m <sup>3</sup>	13.3	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	17.9	16.25	14.6	µg / m <sup>3</sup>	16.3	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.32	0.3	0.26	mg / m <sup>3</sup>	0.29	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note:** 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.  
5. Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Name of the location : Haresamudram Village
3. Sample Collected By : MSV Analytical Laboratories, Bellary.
4. Particulars of the sampling Equipments : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
5. Date of Monitoring : 15.09.2023
6. Date of Sample Receipt : 16.09.2023
7. Analysis Starting Date : 16.09.2023
8. Analysis Completion Date : 22.09.2023
9. Report Issue Date : 23.09.2023
10. Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/3918

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5341	5342	5343			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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# MSV Analytical Laboratories

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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 15.09.2023
- Date of Sample Receipt** : 16.09.2023
- Analysis Starting Date** : 16.09.2023
- Analysis Completion Date** : 22.09.2023
- Report Issue Date** : 23.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712300009229F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
		Sample Code→	15550	15551	15552			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	64.4	61.8	57.6	µg / m <sup>3</sup>	61.3	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	25.2	22.5	19.3	µg / m <sup>3</sup>	22.3	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	15.4	12.75	11.15	µg / m <sup>3</sup>	13.1	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	19.6	18	16.25	µg / m <sup>3</sup>	18.0	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.32	0.47	0.25	mg / m <sup>3</sup>	0.35	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



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

Authorized Signatory

B.Chinifa Lingana Gouda  
Chief executive of the laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 15.09.2023
- Date of Sample Receipt** : 16.09.2023
- Analysis Starting Date** : 16.09.2023
- Analysis Completion Date** : 22.09.2023
- Report Issue Date** : 23.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: MSVAL/2023/3919

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5354	5355	5356			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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# MSV Analytical Laboratories

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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 19.09.2023
- Date of Sample Receipt** : 20.09.2023
- Analysis Starting Date** : 20.09.2023
- Analysis Completion Date** : 25.09.2023
- Report Issue Date** : 25.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Ambient Air      ULR No: TC407123000009506F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			16010	16011	16012			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	75.8	86.7	72.2	µg / m <sup>3</sup>	78.2	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	30.6	35.3	30.1	µg / m <sup>3</sup>	32.0	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	16.6	19.3	14.8	µg / m <sup>3</sup>	16.9	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	25.6	28.8	20.7	µg / m <sup>3</sup>	25.0	80
5	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	11.5	11	10.3	µg / m <sup>3</sup>	10.9	100
6	Lead	IS-5182(Part-22):2019	0.047	0.042	0.032	µg / m <sup>3</sup>	0.040	1
7	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.97	1.33	0.8	mg / m <sup>3</sup>	1.03	2
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	3.68	6.37	2.14	ng / m <sup>3</sup>	4.06	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note:
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 19.09.2023
- Date of Sample Receipt** : 20.09.2023
- Analysis Starting Date** : 20.09.2023
- Analysis Completion Date** : 25.09.2023
- Report Issue Date** : 25.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4009

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5535	5536	5537			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
-----------	---

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 19.09.2023
- Date of Sample Receipt** : 20.09.2023
- Analysis Starting Date** : 20.09.2023
- Analysis Completion Date** : 25.09.2023
- Report Issue Date** : 25.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712300009507F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			16013	16014	16015			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	62.4	65.6	58.3	µg / m <sup>3</sup>	62.1	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	22.4	19.7	16.2	µg / m <sup>3</sup>	19.4	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	14	12	10.55	µg / m <sup>3</sup>	12.2	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	18.8	17.25	14.85	µg / m <sup>3</sup>	17.0	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.33	0.56	0.34	mg / m <sup>3</sup>	0.41	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

**INFERENCE** As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory



- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.  
5. Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 19.09.2023
- Date of Sample Receipt** : 20.09.2023
- Analysis Starting Date** : 20.09.2023
- Analysis Completion Date** : 25.09.2023
- Report Issue Date** : 25.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4010

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
		<b>Sample Code</b>	5538	5539	5540			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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5. Sampling is not done by us unless otherwise specified.

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# MSV Analytical Laboratories

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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location : Haresamudram Village
- Sample Collected By : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring : 19.09.2023
- Date of Sample Receipt : 20.09.2023
- Analysis Starting Date : 20.09.2023
- Analysis Completion Date : 25.09.2023
- Report Issue Date : 25.09.2023
- Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000009508F

S.No	Parameter	Protocols	Shift wise results			4Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			16016	16017	16018			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	56.3	53.2	49.8	µg / m <sup>3</sup>	53.1	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	21.5	26.7	16.2	µg / m <sup>3</sup>	21.5	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	9.7	13.2	8.8	µg / m <sup>3</sup>	10.6	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	19.3	21.4	14.9	µg / m <sup>3</sup>	18.5	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.32	0.49	0.25	mg / m <sup>3</sup>	0.35	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 19.09.2023
- Date of Sample Receipt** : 20.09.2023
- Analysis Starting Date** : 20.09.2023
- Analysis Completion Date** : 25.09.2023
- Report Issue Date** : 25.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4011

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5541	5542	5543			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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5. Sampling is not done by us unless otherwise specified.

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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 19.09.2023
- Date of Sample Receipt** : 20.09.2023
- Analysis Starting Date** : 20.09.2023
- Analysis Completion Date** : 25.09.2023
- Report Issue Date** : 25.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712300009509F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			16019	16020	16021			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	53.5	51.2	48.6	µg / m <sup>3</sup>	51.1	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	20.7	18.5	15	µg / m <sup>3</sup>	18.1	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	13.0	11.7	9.95	µg / m <sup>3</sup>	11.6	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	18.0	15.7	13.8	µg / m <sup>3</sup>	15.9	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.3	0.27	0.24	mg / m <sup>3</sup>	0.27	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

### INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

Note: 1.The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Name of the location : Bommanahal Village
3. Sample Collected By : MSV Analytical Laboratories, Bellary.
4. Particulars of the sampling Equipments : Sample collected with RDS APM 4601799-DTI-2010 and FDS
5. Date of Monitoring : 19.09.2023
6. Date of Sample Receipt : 20.09.2023
7. Analysis Starting Date : 20.09.2023
8. Analysis Completion Date : 25.09.2023
9. Report Issue Date : 25.09.2023
10. Sampling Protocol : IS 5182 : Part 14 : 2019
- Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: MSVAL/2023/4012

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5544	5545	5546			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
-----------	---

Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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5. Sampling is not done by us unless otherwise specified.

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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169  
Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 25.09.2023
- Date of Sample Receipt** : 26.09.2023
- Analysis Starting Date** : 26.09.2023
- Analysis Completion Date** : 29.09.2023
- Report Issue Date** : 29.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Ambient Air      ULR No: TC40712300009884F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			16640	16641	16642			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	73.8	79.6	71.6	µg / m <sup>3</sup>	75.0	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	29.7	38.6	30.1	µg / m <sup>3</sup>	32.8	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	15.2	17.6	12.2	µg / m <sup>3</sup>	15.0	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	25.3	28.8	21	µg / m <sup>3</sup>	25.0	80
5	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	11.7	11	10.4	µg / m <sup>3</sup>	11.0	100
6	Lead	IS-5182(Part-22):2019	0.036	0.032	0.027	µg / m <sup>3</sup>	0.032	1
7	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.79	1	0.64	mg / m <sup>3</sup>	0.81	2
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	4.66	8.24	3.47	ng / m <sup>3</sup>	5.46	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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  - Sampling is not done by us unless otherwise specified.

49



# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 25.09.2023
- Date of Sample Receipt** : 26.09.2023
- Analysis Starting Date** : 26.09.2023
- Analysis Completion Date** : 29.09.2023
- Report Issue Date** : 29.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4165

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5821	5822	5823			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
  - This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
  - Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.
  - Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location : Kuruvalli Village
- Sample Collected By : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring : 25.09.2023
- Date of Sample Receipt : 26.09.2023
- Analysis Starting Date : 26.09.2023
- Analysis Completion Date : 29.09.2023
- Report Issue Date : 29.09.2023
- Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000009885F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			16643	16644	16645			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	60.8	65.1	58.8	µg / m <sup>3</sup>	61.6	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	22.5	26.6	17.2	µg / m <sup>3</sup>	22.1	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	7.6	12.2	6.3	µg / m <sup>3</sup>	8.7	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	15.2	17.6	13.2	µg / m <sup>3</sup>	15.3	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.48	0.6	0.32	mg / m <sup>3</sup>	0.47	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory  
  
B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.  
5. Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 25.09.2023
- Date of Sample Receipt** : 26.09.2023
- Analysis Starting Date** : 26.09.2023
- Analysis Completion Date** : 29.09.2023
- Report Issue Date** : 29.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4166

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5824	5825	5826			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note:
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
  - This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
  - Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.
  - Sampling is not done by us unless otherwise specified.

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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL  
(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Name of the location : Haresamudram Village
3. Sample Collected By : MSV Analytical Laboratories, Bellary.
4. Particulars of the sampling Equipments : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
5. Date of Monitoring : 25.09.2023
6. Date of Sample Receipt : 26.09.2023
7. Analysis Starting Date : 26.09.2023
8. Analysis Completion Date : 29.09.2023
9. Report Issue Date : 29.09.2023
10. Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712300009886F

S.No	Parameter	Protocols	Shift wise results			4Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			16646	16647	16648			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	59.2	62.2	52.8	µg / m <sup>3</sup>	58.1	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	19.8	17.8	16.3	µg / m <sup>3</sup>	18.0	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	13.75	12.85	11.75	µg / m <sup>3</sup>	12.8	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	17.75	16.1	14.9	µg / m <sup>3</sup>	16.3	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.29	0.27	0.24	mg / m <sup>3</sup>	0.27	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



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

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.  
5. Sampling is not done by us unless otherwise specified



# MSV Analytical Laboratories

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(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 25.09.2023
- Date of Sample Receipt** : 26.09.2023
- Analysis Starting Date** : 26.09.2023
- Analysis Completion Date** : 29.09.2023
- Report Issue Date** : 29.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4167

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5827	5828	5829			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

*Ramya*

Authorized Signatory

*B.Chinna Lingana Gouda*

B.Chinna Lingana Gouda  
Chief executive of the laboratory



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

- Note:
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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# MSV Analytical Laboratories

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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvlabellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvlabellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Bommanahal Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring** : 25.09.2023
- Date of Sample Receipt** : 26.09.2023
- Analysis Starting Date** : 26.09.2023
- Analysis Completion Date** : 29.09.2023
- Report Issue Date** : 29.09.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712300009887F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			16649	16650	16651			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	54.6	56.3	52.8	µg / m <sup>3</sup>	54.6	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	19.5	21.8	17.4	µg / m <sup>3</sup>	19.6	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	14	16.5	12.7	µg / m <sup>3</sup>	14.4	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	17.2	19.6	15.6	µg / m <sup>3</sup>	17.5	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.26	0.49	0.24	mg / m <sup>3</sup>	0.33	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



Authorized Signatory

B. Chinna Lingana Gouda  
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
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5. Samolina is not done by us unless otherwise specified.



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Email : msvallbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvallbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Name of the location : Bommanahal Village
3. Sample Collected By : MSV Analytical Laboratories, Bellary.
4. Particulars of the sampling Equipments : Sample collected with RDS APM 4601799-DTI-2010 and FDS
5. Date of Monitoring : 25.09.2023
6. Date of Sample Receipt : 26.09.2023
7. Analysis Starting Date : 26.09.2023
8. Analysis Completion Date : 29.09.2023
9. Report Issue Date : 29.09.2023
10. Sampling Protocol : IS 5182 : Part 14 : 2019
- Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: MSVAL/2023/4168

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5830	5831	5832			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by



Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 28.09.2023
- Date of Sample Receipt** : 29.09.2023
- Analysis Starting Date** : 29.09.2023
- Analysis Completion Date** : 03.10.2023
- Report Issue Date** : 03.10.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000010128F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			17030	17031	17032			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	76.9	85.3	73.4	µg / m <sup>3</sup>	78.5	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	38.8	43.7	35.6	µg / m <sup>3</sup>	39.4	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	14.4	16.5	11.9	µg / m <sup>3</sup>	14.3	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	28.2	30.6	26.2	µg / m <sup>3</sup>	28.3	80
5	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	11.4	12.8	10.9	µg / m <sup>3</sup>	11.7	100
6	Lead	IS-5182(Part-22):2019	0.030	0.036	0.026	µg / m <sup>3</sup>	0.031	1
7	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.32	0.4	0.28	mg / m <sup>3</sup>	0.33	2
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	4.8	5.4	4.6	ng / m <sup>3</sup>	4.93	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE

As per NAAQS Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by

*Ramesh*

Authorized Signatory

*Hanumanthaiah.P*  
Hanumanthaiah.P  
Technical Manager

--- END OF REPORT ---

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.

5. Sampling is not done by us unless otherwise specified.

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# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Main Gate
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS 460BL and FDS
- Date of Monitoring** : 28.09.2023
- Date of Sample Receipt** : 29.09.2023
- Analysis Starting Date** : 29.09.2023
- Analysis Completion Date** : 03.10.2023
- Report Issue Date** : 03.10.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4267

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5981	5982	5983			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	<b>As per NAAQS Standards</b> <b>Report Status :- The analyzed values for above measured parameter are within the limits</b>
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Analysed by

Authorized Signatory

  
Hanumanthaiah.P  
Technical Manager

:- END OF REPORT:-



- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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  - Sampling is not done by us unless otherwise specified.



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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location : Kuruvalli Village
- Sample Collected By : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring : 28.09.2023
- Date of Sample Receipt : 29.09.2023
- Analysis Starting Date : 29.09.2023
- Analysis Completion Date : 03.10.2023
- Report Issue Date : 03.10.2023
- Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000010129F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			17033	17034	17035			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	57.3	66.9	55.2	µg / m <sup>3</sup>	59.8	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	19.6	23.7	17.1	µg / m <sup>3</sup>	20.1	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	9.8	13.4	11.6	µg / m <sup>3</sup>	11.6	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	14.8	19.5	12.3	µg / m <sup>3</sup>	15.5	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.33	0.49	0.27	mg / m <sup>3</sup>	0.36	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
-----------	---

Analysed by

:- END OF REPORT:-



Authorized Signatory  
  
Hanumanthaiah.P  
Technical Manager

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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# MSV Analytical Laboratories

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Kuruvalli Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS EI-42 43-E-18 and FDS
- Date of Monitoring** : 28.09.2023
- Date of Sample Receipt** : 29.09.2023
- Analysis Starting Date** : 29.09.2023
- Analysis Completion Date** : 03.10.2023
- Report Issue Date** : 03.10.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4268

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5984	5985	5986			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory

Hanumanthaiah.P  
Technical Manager

:- END OF REPORT:-



- Note:**
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Name of the location : Haresamudram Village
3. Sample Collected By : MSV Analytical Laboratories, Bellary.
4. Particulars of the sampling Equipments : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
5. Date of Monitoring : 28.09.2023
6. Date of Sample Receipt : 29.09.2023
7. Analysis Starting Date : 29.09.2023
8. Analysis Completion Date : 03.10.2023
9. Report Issue Date : 03.10.2023
10. Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Ambient Air      ULR No: TC407123000010130F

S.No	Parameter	Protocols	Shift wise results			4Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code-→			17036	17037	17038			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	49.8	53.6	47.6	µg / m <sup>3</sup>	50.3	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	16.3	21.7	15.9	µg / m <sup>3</sup>	18.0	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	13.4	17.2	11.6	µg / m <sup>3</sup>	14.1	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	15.4	20.1	16.3	µg / m <sup>3</sup>	17.3	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.49	0.52	0.38	mg / m <sup>3</sup>	0.46	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

<b>INFERENCE</b>	<b>As per NAAQS Standards</b> <b>Report Status :- The analyzed values for above measured parameter are within the limits</b>
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Analysed by

Authorized Signatory

Hanumanthaiah.P  
Technical Manager

:- END OF REPORT:-



Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location** : Haresamudram Village
- Sample Collected By** : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments** : Sample collected with RDS GTI-151 202-DTL-2019 and FDS
- Date of Monitoring** : 28.09.2023
- Date of Sample Receipt** : 29.09.2023
- Analysis Starting Date** : 29.09.2023
- Analysis Completion Date** : 03.10.2023
- Report Issue Date** : 03.10.2023
- Sampling Protocol** : IS 5182 : Part 14 : 2019

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Air

ULR No: MSVAL/2023/4269

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5987	5988	5989			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

<b>INFERENCE</b>	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory

  
Hanumanthaiah.P  
Technical Manager

:- END OF REPORT:-



- Note:**
- The results listed only to the tested samples & applicable parameters.
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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Name of the location : Bommanahal Village
- Sample Collected By : MSV Analytical Laboratories, Bellary.
- Particulars of the sampling Equipments : Sample collected with RDS APM 4601799-DTI-2010 and FDS
- Date of Monitoring : 28.09.2023
- Date of Sample Receipt : 29.09.2023
- Analysis Starting Date : 29.09.2023
- Analysis Completion Date : 03.10.2023
- Report Issue Date : 03.10.2023
- Sampling Protocol : IS 5182 : Part 14 : 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000010131F

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code→			17039	17040	17041			
1	Particulate Matter PM <sub>10</sub>	IS-5182(Part-23):2017	59.4	64.6	54.6	µg / m <sup>3</sup>	59.5	100
2	Particulate Matter or PM <sub>2.5</sub>	IS-5182(Part-24):2019	22.6	25.4	20.3	µg / m <sup>3</sup>	22.8	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS-5182(Part-2):2017	12.6	16.2	10	µg / m <sup>3</sup>	12.9	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS-5182(Part-6):2017	18.8	24.2	16.2	µg / m <sup>3</sup>	19.7	80
5	Carbon Monoxide as CO	MSVAL/SOP/A/007	0.27	0.32	0.24	mg / m <sup>3</sup>	0.28	2
6	Ozone as O <sub>3</sub>	IS 5182(Part-9):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	100
7	Lead	IS-5182(Part-22):2019	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	1
8	Ammonia as NH <sub>3</sub>	IS-5182(Part-25):2018	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	400
9	Nickel as Ni	IS-5182(Part-26):2020	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	20
10	Arsenic as AS	MSVAL/SOP/A/005	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	6

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
-----------	---

Analysed by

--- END OF REPORT ---



Authorized Signatory  
Hanumanthaiah.P  
Technical Manager

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

MSVAL/AA/RF/01/00

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Name of the location : Bommanahal Village
3. Sample Collected By : MSV Analytical Laboratories, Bellary.
4. Particulars of the sampling Equipments : Sample collected with RDS APM 4601799-DTI-2010 and FDS
5. Date of Monitoring : 28.09.2023
6. Date of Sample Receipt : 29.09.2023
7. Analysis Starting Date : 29.09.2023
8. Analysis Completion Date : 03.10.2023
9. Report Issue Date : 03.10.2023
10. Sampling Protocol : IS 5182 : Part 14 : 2019
- Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: MSVAL/2023/4270

S.No	Parameter	Protocols	Shift wise results			Units	Result in Avg.	Tolerance limits
			1	2	3			
Sample Code			5990	5991	5992			
11	Benzene as C <sub>6</sub> H <sub>6</sub>	IS 5182: Part 11:2017	<0.01	<0.01	<0.01	µg / m <sup>3</sup>	<0.01	5
12	Benzo (a) Pyrene	IS 5182: Part 12:2019	<0.01	<0.01	<0.01	ng / m <sup>3</sup>	<0.01	1

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
-----------	---

Analysed by

Authorized Signatory

  
Hanumanthaiah.P  
Technical Manager

:- END OF REPORT:-



- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/SE/RF/01/00

## ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Stack ID : Blast Furnace
3. Sample Collected By : MSV Analytical Laboratories, Bellary
4. Date of Monitoring : 19.09.2023
5. Date of Sample Receipt : 20.09.2023
6. Sample Code : 15975
7. Analysis Starting Date : 20.09.2023
8. Analysis Completion Date : 23.09.2023
9. Report Issue date : 25.09.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000009475F

## GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	32
Stack Temperature (°C)	122
Velocity (m/s)	6.7
Height (m)	40 mtr AGL
Diameter (m)	2
Cross sectional area (m <sup>2</sup> )	3.143

## RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS 11255 (Part-1): 2019	mg/Nm <sup>3</sup>	49.8	115
Sulphur dioxide	IS 11255 (Part-2): 2019	mg/Nm <sup>3</sup>	15.2	---
Oxides of Nitrogen	IS 11255 (Part-7): 2017	mg/Nm <sup>3</sup>	28.7	---

**INFERENCE** As per CPCB Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



END OF REPORT

Authorized Signatory

Hanumanthaiah.P  
Technical Manager

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.  
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.  
5. Sampling is not done by us unless otherwise specified.



# MSV Analytical Laboratories

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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/SE/RF/01/00

## ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Stack ID : Sinter Plant (Sinter Machine/Sinter Cooler)
3. Sample Collected By : MSV Analytical Laboratories, Bellary
4. Date of Monitoring : 20.09.2023
5. Date of Sample Receipt : 21.09.2023
6. Sample Code : 16143
7. Analysis Starting Date : 21.09.2023
8. Analysis Completion Date : 23.09.2023
9. Report Issue date : 26.09.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000009590F

## GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS _1
Fuel Used	---
Ambient Temperature (°C)	32
Stack Temperature (°C)	130
Velocity (m/s)	7.9
Height (m)	40 mtr AGL
Diameter (m)	3.5
Cross sectional area (m <sup>2</sup> )	9.6254

## RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS 11255 (Part-1): 2019	mg/Nm <sup>3</sup>	48.1	50
Sulphur dioxide	IS 11255 (Part-2): 2019	mg/Nm <sup>3</sup>	17.1	---
Oxides of Nitrogen	IS 11255 (Part-7): 2017	mg/Nm <sup>3</sup>	26.8	---

**INFERENCE** As per APPCB Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



END OF REPORT:-

Authorized Signatory

Hanumanthaiah.P  
Technical Manager

- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.  
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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 9945456764, 08392-255169  
Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



MSVAL/SE/RF/01/00

## ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Stack ID** : Annealing Furnaces
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 19.09.2023
- Date of Sample Receipt** : 20.09.2023
- Sample Code** : 15976
- Analysis Starting Date** : 20.09.2023
- Analysis Completion Date** : 23.09.2023
- Report Issue date** : 25.09.2023

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Stack emission      ULR No: TC407123000009476F

## GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	31
Stack Temperature (°C)	112
Velocity (m/s)	6.9
Height (m)	40 mtr AGL
Diameter (m)	2
Cross sectional area (m <sup>2</sup> )	3.143

## RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS 11255 (Part-1): 2019	mg/Nm <sup>3</sup>	42.2	50
Sulphur dioxide	IS 11255 (Part-2): 2019	mg/Nm <sup>3</sup>	15.7	---
Oxides of Nitrogen	IS 11255 (Part-7): 2017	mg/Nm <sup>3</sup>	22.6	---

<b>INFERENCE</b>	As per APPCB Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by  
*Ronal*



Authorized Signatory  
*H-S*  
Hanumanthaiah.P  
Technical Manager

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/SE/RF/01/00

## ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
2. Stack ID : Induction Furnaces
3. Sample Collected By : MSV Analytical Laboratories, Bellary
4. Date of Monitoring : 19.09.2023
5. Date of Sample Receipt : 20.09.2023
6. Sample Code : 15977
7. Analysis Starting Date : 20.09.2023
8. Analysis Completion Date : 23.09.2023
9. Report Issue date : 25.09.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000009477F

## GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS_1
Fuel Used	---
Ambient Temperature (°C)	31
Stack Temperature (°C)	121
Velocity (m/s)	7.62
Height (m)	40 mtr AGL
Diameter (m)	2
Cross sectional area (m <sup>2</sup> )	3.143

## RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS 11255 (Part-1): 2019	mg/Nm <sup>3</sup>	43.7	50
Sulphur dioxide	IS 11255 (Part-2): 2019	mg/Nm <sup>3</sup>	19.2	---
Oxides of Nitrogen	IS 11255 (Part-7): 2017	mg/Nm <sup>3</sup>	25.2	---

INFERENCE

As per APPCB Standards

Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



END OF REPORT:-

Authorized Signatory

Hanumanthaiah.P  
Technical Manager

Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary jurisdiction only.

5. Sampling is not done by us unless otherwise specified.

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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/SE/RF/01/00

## ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Sathavahana Ispat Ltd,  
Sy.No 41, 42-A, 48-C, 48-D, 44, 45-A, 46, 45-B, 49-A, 49-B, and 49C,  
Haresamudram (V), Bommanahal (M), Ananthapuramu District.
- Stack ID** : 130 TPH Boiler
- Sample Collected By** : MSV Analytical Laboratories, Bellary
- Date of Monitoring** : 20.09.2023
- Date of Sample Receipt** : 21.09.2023
- Sample Code** : 16144
- Analysis Starting Date** : 21.09.2023
- Analysis Completion Date** : 23.09.2023
- Report Issue date** : 26.09.2023

Discipline: Chemical      Group: Atmospheric Pollution      Sub Group: Stack emission      ULR No: TC407123000009591F

## GENERAL DETAILS

Instrument Used for Sampling	Sample collected with VSS _1
Fuel Used	---
Ambient Temperature (°C)	33
Stack Temperature (°C)	139
Velocity (m/s)	8.3
Height (m)	40 mtr AGL
Diameter (m)	3.5
Cross sectional area (m <sup>2</sup> )	9.6254

## RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS 11255 (Part-1): 2019	mg/Nm <sup>3</sup>	46.8	50
Sulphur dioxide	IS 11255 (Part-2): 2019	mg/Nm <sup>3</sup>	18.7	---
Oxides of Nitrogen	IS 11255 (Part-7): 2017	mg/Nm <sup>3</sup>	30.3	---

**INFERENCE**      As per APPCB Standards  
Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by



---END OF REPORT---

Authorized Signatory

Hanumanthaiah.P  
Technical Manager

- Note:**
- The results listed only to the tested samples & applicable parameters.
  - Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports, unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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