



MSV Analytical Laboratories

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

NABL Accredited Laboratory

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

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

Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Name of the location : Near Weigh Bridge
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sampling Equipments : Sample collected with FDS GTI-131& RDS APM-460
5. Duration of Monitoring : 24 Hours
6. Date of Monitoring : 07.06.2023
7. Date of Sample Receipt : 08.06.2023
8. Sample Code : 2349
9. Analysis Starting Date : 08.06.2023
10. Analysis Completion Date : 14.06.2023
11. Report Issue Date : 14.06.2023
12. Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000001696F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	95.40	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	40.30	60
3	Sulphur Dioxide as SO ₂	IS-5182(Part-2)	µg / m ³	7.91	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	12.08	80

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,
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MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Name of the location** : Near Main Gate
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of the sampling Equipments** : Sample collected with FDS GTI-131& RDS APM-460
- Duration of Monitoring** : 24 Hours
- Date of Monitoring** : 07.06.2023
- Date of Sample Receipt** : 08.06.2023
- Sample Code** : 2350
- Analysis Starting Date** : 08.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue Date** : 14.06.2023
- Sampling Protocol** : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000001697F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	89.70	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	40.62	60
3	Sulphur Dioxide as SO ₂	IS-5182(Part-2)	µg / m ³	7.02	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	11.68	80

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

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Name of the location : Near STP Plant (60 KLD)
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sampling Equipments : Sample collected with FDS GTI-131& RDS APM-460
5. Duration of Monitoring : 24 Hours
6. Date of Monitoring : 07.06.2023
7. Date of Sample Receipt : 08.06.2023
8. Sample Code : 2351
9. Analysis Starting Date : 08.06.2023
10. Analysis Completion Date : 14.06.2023
11. Report Issue Date : 14.06.2023
12. Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407123000001698F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	75.71	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	34.15	60
3	Sulphur Dioxide as SO ₂	IS-5182(Part-2)	µg / m ³	6.99	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	12.14	80

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

Analysed by

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Chief executive of the laboratory



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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : Medium Frequency Induction Furnace System - 1
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 07.06.2023
5. Date of Sample Receipt : 08.06.2023
6. Sample Code : 2356
7. Analysis Starting Date : 08.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001704F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	31
Stack Temperature (°C)	41
Velocity (m/s)	6.49
Height (m)	25 m AGL
Diameter (m)	1.88
Cross sectional area (m ²)	2.7771

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	53.52	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm ³	10.34	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm ³	16.01	Not Specified

INFERENCE	As per KSPCB 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

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ANALYSIS REPORT FOR SOURCE EMISSION

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S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
- Stack ID :** Paint Booth No.1(PNG)
- Sample Collected By :** MSV Analytical Laboratories
- Date of Monitoring :** 07.06.2023
- Date of Sample Receipt :** 08.06.2023
- Sample Code :** 2357
- Analysis Starting Date :** 08.06.2023
- Analysis Completion Date :** 14.06.2023
- Report Issue date :** 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001705F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	PNG
Ambient Temperature (°C)	31
Stack Temperature (°C)	38
Velocity (m/s)	6.26
Height (m)	4.5
Diameter (m)	0.6
Cross sectional area (m²)	0.2828

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	28.41	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	8.94	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	14.25	Not Specified
T VOC's	GC-FID	µg/Nm ³	BDL	Not Specified

BDL: Below Detectable Limit

INFERENCE	As per KSPCB 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



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ANALYSIS REPORT FOR SOURCE EMISSION

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S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID :** Shot Blast Machine - 1
- Sample Collected By :** MSV Analytical Laboratories
- Date of Monitoring :** 07.06.2023
- Date of Sample Receipt :** 08.06.2023
- Sample Code :** 2358
- Analysis Starting Date :** 08.06.2023
- Analysis Completion Date :** 14.06.2023
- Report Issue date :** 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001706F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	42
Velocity (m/s)	6.70
Height (m)	18 m AGL
Diameter (m)	0.48
Cross sectional area (m ²)	0.1810

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	140.7	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm ³	11.54	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm ³	18.90	Not Specified

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



Authorized Signatory

B.Chimna Lingana Gouda
Chief executive of the laboratory

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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Shot Blast Machine- 2, Air Booth 1 & 2, Nozzle Blast
Machine- 2- common cyclone, bag filter & common
chimney
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 07.06.2023
- Date of Sample Receipt** : 08.06.2023
- Sample Code** : 2359
- Analysis Starting Date** : 08.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001707F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	40
Velocity (m/s)	6.97
Height (m)	20 m AGL
Diameter (m)	0.48
Cross sectional area (m²)	0.1810

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	137.5	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm ³	11.91	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm ³	16.28	Not Specified

INFERENCE	As per KSPCB 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

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ANALYSIS REPORT FOR SOURCE EMISSION

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S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : Shot Blast Machine - 3
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 07.06.2023
5. Date of Sample Receipt : 08.06.2023
6. Sample Code : 2360
7. Analysis Starting Date : 08.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001708F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	44
Velocity (m/s)	6.73
Height (m)	18 m AGL
Diameter (m)	0.48
Cross sectional area (m ²)	0.1810

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	128.9	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm ³	11.45	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm ³	17.21	Not Specified

INFERENCE	As per KSPCB 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



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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Manipulator Shot Blasting Machine
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 07.06.2023
- Date of Sample Receipt** : 08.06.2023
- Sample Code** : 2361
- Analysis Starting Date** : 08.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001709F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	39
Velocity (m/s)	6.87
Height (m)	15 m AGL
Diameter (m)	0.48
Cross sectional area (m ²)	0.1810

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	132.2	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm ³	10.43	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm ³	16.17	Not Specified

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



Authorized Signatory

B.Channa Lingana Gouda
Chief executive of the laboratory

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TC- 4071

MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : Shot Blast Machine - 6
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 07.06.2023
5. Date of Sample Receipt : 08.06.2023
6. Sample Code : 2362
7. Analysis Starting Date : 08.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001710F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	41
Velocity (m/s)	6.59
Height (m)	15 m AGL
Diameter (m)	0.48
Cross sectional area (m ²)	0.1810

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	130.8	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm ³	11.93	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm ³	18.42	Not Specified

INFERENCE	As per KSPCB 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msvalab01@gmail.com Web ID : www.msvalbellary.com



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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Sand Drying Unit - II
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 07.06.2023
- Date of Sample Receipt** : 08.06.2023
- Sample Code** : 2363
- Analysis Starting Date** : 08.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001711F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	PNG
Ambient Temperature (°C)	32
Stack Temperature (°C)	44
Velocity (m/s)	7.20
Height (m)	22 m AGL
Diameter (m)	1.0
Cross sectional area (m ²)	0.7857

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	43.50	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm ³	9.72	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm ³	15.34	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.32	Not Specified

INFERENCE	As per KSPCB 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,
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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msvalab01@gmail.com Web ID : www.msvalbellary.com



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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Robots - 2 Nos
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 07.06.2023
- Date of Sample Receipt** : 08.06.2023
- Sample Code** : 2364
- Analysis Starting Date** : 08.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001712F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	37
Velocity (m/s)	6.25
Height (m)	20 m AGL
Diameter (m)	1.0
Cross sectional area (m ²)	0.7857

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm ³	28.11	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm ³	9.24	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm ³	14.39	Not Specified

INFERENCE	As per KSPCB 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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Email : labmsv@gmail.com, msvbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvbellary.com



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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Cylinder Head Core Oven
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 08.06.2023
- Date of Sample Receipt** : 09.06.2023
- Sample Code** : 2448
- Analysis Starting Date** : 09.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001762F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	PNG
Ambient Temperature (°C)	32
Stack Temperature (°C)	39
Velocity (m/s)	6.37
Height (m)	4
Diameter (m)	0.35
Cross sectional area (m²)	0.0962

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	22.50	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	8.06	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	12.98	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.32	Not Specified

INFERENCE	As per KSPCB 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Core pre heating-Conventional Core Shop (Sharp thermal)
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 08.06.2023
- Date of Sample Receipt** : 09.06.2023
- Sample Code** : 2449
- Analysis Starting Date** : 09.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001763F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	PNG
Ambient Temperature (°C)	32
Stack Temperature (°C)	44
Velocity (m/s)	6.32
Height (m)	1
Diameter (m)	0.27
Cross sectional area (m ²)	0.0572

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	42.35	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	7.14	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	13.06	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.29	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msvalab01@gmail.com Web ID : www.msvalbellary.com



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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : New Sand Preparation Plant
(Sand Plant, Shake out, Sand Cooler)
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 08.06.2023
- Date of Sample Receipt** : 09.06.2023
- Sample Code** : 2450
- Analysis Starting Date** : 09.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001764F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	44
Velocity (m/s)	6.52
Height (m)	37 m AGL
Diameter (m)	2.40
Cross sectional area (m ²)	4.5259

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	38.65	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	8.42	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	12.96	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is 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,
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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com



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- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Shot Blast Machine - 5(VP23)
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 08.06.2023
- Date of Sample Receipt** : 09.06.2023
- Sample Code** : 2451
- Analysis Starting Date** : 09.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001765F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	43
Velocity (m/s)	6.91
Height (m)	15 m AGL
Diameter (m)	0.48
Cross sectional area (m ²)	0.1810

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	73.15	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	8.99	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	13.25	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



- Note :
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 - Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Robo No-4, Manual Work tables, Air Booth No.3 &
Nozzle Blast Machine No.3
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 08.06.2023
- Date of Sample Receipt** : 09.06.2023
- Sample Code** : 2452
- Analysis Starting Date** : 09.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001766F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	39
Velocity (m/s)	6.47
Height (m)	20 m AGL
Diameter (m)	1.0
Cross sectional area (m ²)	0.7857

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	34.26	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	7.95	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	13.72	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Paint Booth No. 2
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 08.06.2023
- Date of Sample Receipt** : 09.06.2023
- Sample Code** : 2453
- Analysis Starting Date** : 09.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001767F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	PNG
Ambient Temperature (°C)	31
Stack Temperature (°C)	40
Velocity (m/s)	6.38
Height (m)	13.2
Diameter (m)	0.6
Cross sectional area (m ²)	0.2828

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	27.60	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	10.54	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	16.11	Not Specified
T VOC's	GC-FID	µg/Nm ³	BDL	Not Specified

BDL: Below Detectable Limit

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : High Frequency Decoring Machine No.1, Snag Grinding
Machine No.2 & Snag Grinding Machine No.3
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 08.06.2023
5. Date of Sample Receipt : 09.06.2023
6. Sample Code : 2454
7. Analysis Starting Date : 09.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001768F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	31
Stack Temperature (°C)	37
Velocity (m/s)	6.45
Height (m)	12 m AGL
Diameter (m)	1.0
Cross sectional area (m ²)	0.7857

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	41.25	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	9.08	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	13.71	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msvalab01@gmail.com Web ID : www.msvalbellary.com



TC- 4071

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ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : Sand Drying Unit - I
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 08.06.2023
5. Date of Sample Receipt : 09.06.2023
6. Sample Code : 2458
7. Analysis Starting Date : 09.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001772F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Wood/PNG
Ambient Temperature (°C)	31
Stack Temperature (°C)	37
Velocity (m/s)	6.45
Height (m)	22 m AGL
Diameter (m)	1.0
Cross sectional area (m ²)	0.7857

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	136.2	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	12.08	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	17.75	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.25	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : New Decoring System & Intermediate hopper station for sand conveying to Loramendi cell
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 08.06.2023
- Date of Sample Receipt** : 09.06.2023
- Sample Code** : 2455
- Analysis Starting Date** : 09.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001769F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	31
Stack Temperature (°C)	42
Velocity (m/s)	6.70
Height (m)	19 m AGL
Diameter (m)	1.10
Cross sectional area (m ²)	0.9507

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	57.14	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	9.02	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	15.27	Not Specified

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
------------------	--

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***



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ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : Mould box Pouring & Cooling Line
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 08.06.2023
5. Date of Sample Receipt : 09.06.2023
6. Sample Code : 2456
7. Analysis Starting Date : 09.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001770F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	39
Velocity (m/s)	6.87
Height (m)	25 m AGL
Diameter (m)	1.88
Cross sectional area (m ²)	2.7771

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	50.80	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	10.04	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	14.79	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : 63ltrs Core Shooter Scrubber - New
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 08.06.2023
- Date of Sample Receipt** : 09.06.2023
- Sample Code** : 2457
- Analysis Starting Date** : 09.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001771F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Height (m)	20 m
Diameter (m)	0.3
Cross sectional area (m ²)	0.0707

RESULTS

Parameters	Protocol	Unit	Result
T VOC's	GC-FID	ppm	0.12

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***



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- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Core Cell core Shooter (Loramendi)
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 09.06.2023
- Date of Sample Receipt** : 10.06.2023
- Sample Code** : 2589
- Analysis Starting Date** : 10.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001837F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	33
Stack Temperature (°C)	38
Velocity (m/s)	6.52
Height (m)	9 m AGL
Diameter (m)	0.35
Cross sectional area (m ²)	0.0962

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	42.05	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	9.74	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	15.3	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.35	Not Specified

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is 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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S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Pneumatic Sand Conveying System-
Conventional Coreshop
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 09.06.2023
- Date of Sample Receipt** : 10.06.2023
- Sample Code** : 2565
- Analysis Starting Date** : 10.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC40712300001843F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	31
Stack Temperature (°C)	43
Velocity (m/s)	7.47
Height (m)	9 m AGL
Diameter (m)	0.15
Cross sectional area (m ²)	0.0176

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	61.59	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	10.34	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	15.10	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID : High Frequency Decoring Machine No.2
- Sample Collected By : MSV Analytical Laboratories
- Date of Monitoring : 09.06.2023
- Date of Sample Receipt : 10.06.2023
- Sample Code : 2566
- Analysis Starting Date : 10.06.2023
- Analysis Completion Date : 14.06.2023
- Report Issue date : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001844F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	52
Velocity (m/s)	7.48
Height (m)	10 m AGL
Diameter (m)	0.3
Cross sectional area (m ²)	0.0707

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	31.60	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	7.52	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	13.97	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : High Frequency Decoring Machine No.3
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 09.06.2023
5. Date of Sample Receipt : 10.06.2023
6. Sample Code : 2567
7. Analysis Starting Date : 10.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001845F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	51
Velocity (m/s)	7.47
Height (m)	5 m AGL
Diameter (m)	0.45
Cross sectional area (m ²)	0.1591

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	28.04	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	9.65	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	16.12	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com



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ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : Cold box Core Shooter-1 to 12 No's (Conventional Coeshop)
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 09.06.2023
5. Date of Sample Receipt : 10.06.2023
6. Sample Code : 2560
7. Analysis Starting Date : 10.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001838F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	32
Stack Temperature (°C)	34
Velocity (m/s)	6.48
Height (m)	20
Diameter (m)	1
Cross sectional area (m ²)	0.7857

RESULTS

Parameters	Protocol	Unit	Result	Standards
T VOC's	GC-FID	µg/Nm ³	BDL	Not Specified

BDL: Below Detectable Limit

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : Core Drying Oven-2 No's (Wood fired
Conventional Core shop)
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 09.06.2023
- Date of Sample Receipt** : 10.06.2023
- Sample Code** : 2561
- Analysis Starting Date** : 10.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001839F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Wood
Ambient Temperature (°C)	33
Stack Temperature (°C)	41
Velocity (m/s)	7.06
Height (m)	18 m AGL
Diameter (m)	0.27
Cross sectional area (m ²)	0.0572

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	34.58	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	7.61	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	15.45	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.30	Not Specified

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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TC- 4071

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ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : Pneumatic Sand Conveying System to Loramendi Cell
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 09.06.2023
5. Date of Sample Receipt : 10.06.2023
6. Sample Code : 2562
7. Analysis Starting Date : 10.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001840F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	34
Stack Temperature (°C)	49
Velocity (m/s)	6.85
Height (m)	12 m AGL
Diameter (m)	0.48
Cross sectional area (m ²)	0.1810

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	117.9	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	11.30	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	17.81	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
- Stack ID** : 1 X12T Stress Relieving Furnace & 1X20T Stress Relieving Furnace (SRF)
- Sample Collected By** : MSV Analytical Laboratories
- Date of Monitoring** : 09.06.2023
- Date of Sample Receipt** : 10.06.2023
- Sample Code** : 2563
- Analysis Starting Date** : 10.06.2023
- Analysis Completion Date** : 14.06.2023
- Report Issue date** : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001841F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	PNG
Ambient Temperature (°C)	33
Stack Temperature (°C)	121
Velocity (m/s)	8.23
Height (m)	16
Diameter (m)	0.6
Cross sectional area (m ²)	0.2828

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	87.35	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	9.60	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	14.71	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.58	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
2. Stack ID : Manual Work Tables, Snag Grinding Machine-1 Robot-1
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Monitoring : 09.06.2023
5. Date of Sample Receipt : 10.06.2023
6. Sample Code : 2564
7. Analysis Starting Date : 10.06.2023
8. Analysis Completion Date : 14.06.2023
9. Report Issue date : 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001842F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Electric
Ambient Temperature (°C)	31
Stack Temperature (°C)	36
Velocity (m/s)	7.29
Height (m)	20 m AGL
Diameter (m)	1.0
Cross sectional area (m ²)	0.7857

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm ³	34.02	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm ³	9.16	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm ³	13.20	Not Specified

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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TC- 4071

MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of Sample Collected** : Noise meter
- Date of Monitoring** : 07.06.2023
- Report Issue Date** : 14.06.2023
- Method Adopted** : IS 9989: 2020

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Noise ULR NO: TC407123000001713F

S.No	Sample Location	Sample Code	Time Frequency	Results (Day time)			
				Maximum in dB(A) Leq	Minimum in dB(A) Leq	Leq. in dB(A)	Permissible limits in dB(A) Leq
1	Near Main Gate	2366	10.20am to 10.35am	74.2	70.6	72.5	75
2	Near Fettleing Area	2367	10.45am to 11.00am	72.8	68.4	70.8	(6.00am to 10.00pm)

INFERENCE	As per KSPCB Standards, Report Status :- The Noise level for the all locations is 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 samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of Sample Collected** : Noise meter
- Date of Monitoring** : 07.06.2023
- Report Issue Date** : 14.06.2023
- Method Adopted** : IS 9989: 2020

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Noise ULR NO: TC407123000001836F

S.No	Sample Location	Sample Code	Time Frequency	Results (Night time)			
				Maximum in dB(A) Leq	Minimum in dB(A) Leq	Leq. in dB(A)	Permissible limits in dB(A) Leq
1	Near Main Gate	2588	09.30pm to 09.45pm	55.7	54.3	55.4	70 (10.00pm to 6.00am)

INFERENCE	As per KSPCB Standards, Report Status :- The Noise level for the all locations is 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,
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TC- 4071

MSVAL/AN/RF/01/00

LIGHT INTENSITY LEVEL MONITORING REPORT

- Name of the industry** : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of Sample Collected** : LUX meter
- Date of Monitoring** : 07.06.2023
- Report Issue Date** : 14.06.2023
- Method Adopted** : IS 9989: 2020

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Light/Illumination

ULR NO: TC407123000001714F

S.No	Sample Location	Sample Code	Illumination level (LUX) - Day	RECOMMENDED LUX AS PER IS 6665:1972	COMMENTS
1	Core shop	2368	349.0	300	Illumination is more than prescribed limit
2	Sand Plant	2369	452.0	300	Illumination is more than prescribed limit
3	Fettling Area	2370	388.0	300	Illumination is more than prescribed limit

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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TC- 4071

MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
2. Sample Marked as : Treated Water
3. Name of the location : 15 KLD Sewage Treatment Plant
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Pet Bottle, 2 Liter.
6. Sample Description/condition : Water/Good
7. Date of Sample Collection : 07.06.2023
8. Date of sample receipt : 08.06.2023
9. Sample Code : 2378
10. Analysis Starting Date : 08.06.2023
11. Analysis Completion Date : 12.06.2023
12. Report Issue Date : 14.06.2023

Discipline: Chemical

Group: Water

Sub Group: Waste Water

ULR NO: TC40712300001722F

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT	Tolerance Limits As per KSPCB Consent
1	pH @ 25 ^o C	4500 H+ B APHA 23 rd Edition	-	6.95	6.5 - 9.0
2	Bio-chemical Oxygen Demand (3 days at 27 ^o C)	IS-3025(part 44)	mg/L	14.0	≤20
3	Total Suspended solids	2540 F APHA 23 rd Edition	mg/L	16.0	≤30
4	Oil & Grease	5520 D APHA 23 rd Edition	mg/L	1.20	≤10

INFERENCE	As per KSPCB Consent Standards , Report Status: - The analyzed values for above measured parameters 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,
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TC- 4071

MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry	:	M/s. Ashok Iron Works Pvt Ltd., (Plant-III) S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
2. Sample Marked as	:	Treated Water
3. Name of the location	:	60 KLD Sewage Treatment Plant
4. Sample Collected By	:	MSV Analytical Laboratories
5. Sample quantity	:	Pet Bottle, 2 Liter.
6. Sample Description/condition	:	Good/satisfactory
7. Date of Sample Collection	:	07.06.2023
8. Date of sample receipt	:	08.06.2023
9. Sample Code	:	2375
10. Analysis Starting Date	:	08.06.2023
11. Analysis Completion Date	:	12.06.2023
12. Report Issue Date	:	14.06.2023

Discipline: Chemical Group: Water Sub Group: Waste Water ULR NO: TC40712300001719F

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT	Tolerance Limits As per KSPCB Consent
1	pH @ 25°C	4500 H+ B APHA 23 rd Edition	-	6.68	6.5 - 9.0
2	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025(part 44)	mg/L	10.0	≤20
3	Total Suspended solids	2540 F APHA 23 rd Edition	mg/L	4.0	≤30
4	Oil & Grease	5520 D APHA 23 rd Edition	mg/L	<1.0	≤10

INFERENCE	As per KSPCB Consent Standards , Report Status: - The analyzed values for above measured parameters 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,
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TC- 4071

MSVAL/W/RF/01/00

Page 1 of 2

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Sample Marked as : Drinking Water
3. Name of the location : Core Shop
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Pet Bottle, 2 Liter.
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 07.06.2023
8. Date of sample receipt : 08.06.2023
9. Sample Code : 2372
10. Analysis Starting Date : 08.06.2023
11. Analysis Completion Date : 12.06.2023
12. Report Issue Date : 14.06.2023

Discipline: Chemical

Group: Water

Sub Group: Drinking Water

ULR NO: TC40712300001716F

S.No	Parameters	Protocol	Unit	Result	IS 10500-2018	
					Acceptable limit	Permissible limit
Physical Parameters						
1	Odour	IS : 3025(part-5)	-	Agreeable	Agreeable	Agreeable
2	Taste	IS: 3025(part-8)	-	Agreeable	Agreeable	Agreeable
3	pH @25°C	IS : 3025(part-11)	-	6.90	6.5 - 8.5	No Relaxation
4	Turbidity	IS : 3025(part-10)	NTU	0.42	Max 1	Max 5
5	Total Dissolved Solids	IS : 3025(part-16)	mg/L	95.0	Max 500	Max 2000
Chemical Parameters						
6	Total Alkalinity as CaCO ₃	IS : 3025(part-23)	mg/L	32.0	Max 200	Max 600
7	Total Hardness as CaCO ₃	IS : 3025(part-21)	mg/L	57.1	Max 200	Max 600
8	Calcium as Ca	IS : 3025(part-40)	mg/L	28.5	Max 75	Max 200
9	Magnesium as Mg	IS : 3025(part-46)	mg/L	BDL	Max 30	Max 100
10	Chloride as Cl	IS : 3025(part-32)	mg/L	19.6	Max 250	Max 1000
11	Free Residual Chlorine	IS : 3025(part-26)	mg/L	<1.0	Min 0.2	Min 1
12	Sulphate as SO ₄	IS : 3025(part-24)	mg/L	9.0	Max 200	Max 400
13	Nitrate as NO ₃	IS : 3025(part-34)	mg/L	<1.0	Max 45	No Relaxation
14	Fluoride as F	IS : 3025(part-60)	mg/L	0.24	Max 1.0	Max 1.5
15	Iron as Fe	3120B-APHA 23 rd Edition	mg/L	<0.01	Max 0.3	No Relaxation

INFERENCE	IS 10500 - 2018 Standards, BDL - Below Detectable Limit
	Report Status: - The analyzed values for above measured parameters 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,
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MSV Analytical Laboratories

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NABL Accredited Laboratory

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Email : labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID : www.msvalbellary.com



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ANALYSIS REPORT OF WATER IN MICROBIOLOGY

1. Name and Address of Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
2. Sample Marked as : Drinking Water
3. Name of the location : Core Shop
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Sterilized Bottle, 250 ml
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 07.06.2023
8. Date of sample receipt : 08.06.2023
9. Sample Code : 2373
10. Analysis Starting Date : 08.06.2023
11. Analysis Completion Date : 12.06.2023
12. Report Issue Date : 14.06.2023

Discipline: Biological

Group: Water

Sub Group: Drinking Water

ULR NO: TC407123000001717F

S.No	Parameters	Protocol	Unit	Result	Acceptable limit As per 10500 : 2018
1	Total Coliforms	IS 15185	MPN/100ml	Absent	Shall not be detectable in any 100ml
2	E.Coli	IS 15185	MPN/100ml	Absent	

INFERENCE	IS 10500 - 2018 Standards
	Report Status: - The above measured parameters are within the permissible limits.

Analysed by

Authorized Signatory

Mrs. Eswari
Microbiologist



End of Report

Note : 1. The results listed only to the tested samples & applicable parameters,
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ANALYSIS REPORT OF WATER QUALITY

- Name and Address of Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
- Sample Marked as : Drinking Water
- Name of the location : Fettleing Area
- Sample Collected By : MSV Analytical Laboratories
- Sample quantity : Pet Bottle, 2 Liter.
- Sample Description/condition : Good/satisfactory
- Date of Sample Collection : 07.06.2023
- Date of sample receipt : 08.06.2023
- Sample Code : 2374
- Analysis Starting Date : 08.06.2023
- Analysis Completion Date : 14.06.2023
- Report Issue Date : 14.06.2023

Discipline: Chemical

Group: Water

Sub Group: Drinking Water

ULR NO: TC407123000001718F

S.No	Parameters	Protocol	Unit	Result	IS 10500-2018	
					Acceptable limit	Permissible limit
Physical Parameters						
1	Odour	IS : 3025(part-5)	-	Agreeable	Agreeable	Agreeable
2	Taste	IS: 3025(part-8)	-	Agreeable	Agreeable	Agreeable
3	pH @25°C	IS : 3025(part-11)	-	6.96	6.5 - 8.5	No Relaxation
4	Turbidity	IS : 3025(part-10)	NTU	0.15	Max 1	Max 5
5	Total Dissolved Solids	IS : 3025(part-16)	mg/L	128.0	Max 500	Max 2000
Chemical Parameters						
6	Total Alkalinity as CaCO ₃	IS : 3025(part-23)	mg/L	48.3	Max 200	Max 600
7	Total Hardness as CaCO ₃	IS : 3025(part-21)	mg/L	70.5	Max 200	Max 600
8	Calcium as Ca	IS : 3025(part-40)	mg/L	24.8	Max 75	Max 200
9	Magnesium as Mg	IS : 3025(part-46)	mg/L	2.07	Max 30	Max 100
10	Chloride as Cl	IS : 3025(part-32)	mg/L	31.9	Max 250	Max 1000
11	Free Residual Chlorine	IS : 3025(part-26)	mg/L	<1.0	Min 0.2	Min 1
12	Sulphate as SO ₄	IS : 3025(part-24)	mg/L	12.5	Max 200	Max 400
13	Nitrate as NO ₃	IS : 3025(part-34)	mg/L	<1.0	Max 45	No Relaxation
14	Fluoride as F	IS : 3025(part-60)	mg/L	0.42	Max 1.0	Max 1.5
15	Iron as Fe	3120B-APHA 23 rd Edition	mg/L	<0.01	Max 0.3	No Relaxation

INFERENCE

As per KSPCB Consent Standards , BDL - Below Detectable Limit

Report Status: - The analyzed values for above measured parameters 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,
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ANALYSIS REPORT OF WATER IN MICROBIOLOGY

1. Name and Address of Industry	:	M/s. Ashok Iron Works Pvt Ltd., (Plant-III) S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
2. Sample Marked as	:	Drinking Water
3. Name of the location	:	Fettling Area
4. Sample Collected By	:	MSV Analytical Laboratories
5. Sample quantity	:	Sterilized Bottle, 250 ml
6. Sample Description/condition	:	Good/satisfactory
7. Date of Sample Collection	:	07.06.2023
8. Date of sample receipt	:	08.06.2023
9. Sample Code	:	2374
10. Analysis Starting Date	:	08.06.2023
11. Analysis Completion Date	:	12.06.2023
12. Report Issue Date	:	14.06.2023

Discipline: Biological

Group: Water

Sub Group: Drinking Water

ULR NO: TC407123000001718F

S.No	Parameters	Protocol	Unit	Result	Acceptable limit As per 10500 : 2018
1	Total Coliforms	IS 15185	MPN/100ml	Absent	Shall not be detectable in any 100ml
2	E.Coli	IS 15185	MPN/100ml	Absent	

INFERENCE	IS 10500 - 2018 Standards Report Status: - The above measured parameters are within the permissible limits.
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Analysed by

Authorized Signatory

Mrs. Eswari
Microbiologist



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2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Sample Marked as : Treated Water
3. Name of the location : 2 KLD Effluent Treatment Plant
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Pet Bottle, 2 Liter.
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 07.06.2023
8. Date of sample receipt : 08.06.2023
9. Sample Code : 2379
10. Analysis Starting Date : 08.06.2023
11. Analysis Completion Date : 13.06.2023
12. Report Issue Date : 14.06.2023

Discipline: Chemical

Group: Water

Sub Group: Waste Water

ULR NO: TC407123000001723F

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT	Tolerance Limits As per KSPCB Consent
1	Color	IS: 3025 (Part 4)	Hazen	<5	Not Specified
2	Odour	IS: 3025 (Part 5)	-	Agreeable	Not Specified
3	Electrical Conductivity @ 25°C	2510 B-APHA 23 rd Edition	µs/cm	1200.0	Max 2250
4	pH @ 25° C	4500 H+ B APHA 23 rd Edition	-	6.38	5.5-9.0
5	Total Suspended solids	2540 F APHA 23 rd Edition	mg/L	10.0	Max 100
6	Total dissolved solids	2540 C APHA 23 rd Edition	mg/L	616.0	Max 2100
7	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025(part 44)	mg/L	14.0	Max 100
8	Chloride (as Cl)	4500-Cl B-APHA 23 rd Edition	mg/L	65.2	Max 600
9	Sulphate (as SO ₄)	4500 SO4 APHA 23 rd Edition	mg/L	50.8	Max 1000
10	Oil & Grease	5520 D APHA 23 rd Edition	mg/L	<1.0	Max 10
11	Residual Sodium Carbonate	IS 11624	mg/L	0.40	Max 5.0
12	Boron as B	3120B-APHA 23 rd Edition	mg/L	0.15	Max 2.0
13	Hexavalent Chromium as Cr	3500-Cr B-APHA 23 rd Edition	mg/L	<0.01	Max 0.1
14	Lead as Pb	3120B-APHA 23 rd Edition	mg/L	<0.01	Max 0.1
15	Copper as Cu	3120B-APHA 23 rd Edition	mg/L	<0.1	Max 3.0
16	Total Chromium	3120B-APHA 23 rd Edition	mg/L	<0.1	Max 2.0

INFERENCE	As per KSPCB Consent Standards,
	Report Status: - The analyzed values for above measured parameters are within the limits.

Analysed by



Authorized Signatory

B.Chintha Lingana Gouda
Chief executive of the laboratory

MSVAL/W/RF/01/00

- Note : 1. The results listed only to the tested samples & applicable parameters,
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MSVAL/W/RF/01/00

ANALYSIS REPORT OF FOOD IN MICROBIOLOGY

1. Name and Address of Industry	:	M/s. Ashok Iron Works Pvt Ltd., (Plant-III) S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.
2. Sample Marked as	:	Rice
3. Name of the location	:	Canteen
4. Sample Collected By	:	MSV Analytical Laboratories
5. Sample quantity	:	Sterilized Box, 100g
6. Sample Description/condition	:	Cooked Food/Good
7. Date of Sample Collection	:	07.06.2023
8. Date of sample receipt	:	07.06.2023
9. Sample Code	:	2380
10. Analysis Starting Date	:	07.06.2023
11. Analysis Completion Date	:	12.06.2023
12. Report Issue Date	:	15.06.2023

Discipline: Biological Group: Food & Agricultural Products Sub Group: Cooked Food

ULR NO: TC407123000001724F

S.No	Parameters	Protocol	Unit	Result	PHLS limits/Specification
1	Enumeration of Coliforms	IS 5401 (Part 1)	CFU/g	Absent	Absent
2	Yeast & moulds	IS 5403	CFU/g	Absent	Absent
3	Total Plate Count	IS 5402	CFU/g	2	100
4	Enumeration of E.coli	IS 5887 (Part 1)	CFU/g	Absent	Absent
5	Salmonella	IS 5887 (Part 3)	CFU/g	Absent	Absent

INFERENCE	As per PHLS Limits, PHLS: Public Health Laboratory Services, United Kingdom
	Report Status: - The analyzed values for above measured parameters are Confirming to the standards.

Analysed by

Authorized Signatory

Mrs. Eswari
Sr. Microbiologist

*** End of Report ***



- Note : 1. The results listed only to the tested samples & applicable parameters,
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ANALYSIS REPORT OF FOOD IN MICROBIOLOGY

1. Name and Address of Industry : M/s. Ashok Iron Works Pvt Ltd., (Plant-III)
S.No.5, SR No 552B/553B & 592B, Machhe
Industrial Estate, Machhe, Belagavi-590014.
2. Sample Marked as : Bhaji
3. Name of the location : Canteen
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Sterilized Box, 100g
6. Sample Description/condition : Cooked Food/Good
7. Date of Sample Collection : 07.06.2023
8. Date of sample receipt : 07.06.2023
9. Sample Code : 2380
10. Analysis Starting Date : 07.06.2023
11. Analysis Completion Date : 12.06.2023
12. Report Issue Date : 15.06.2023

Discipline: Biological Group: Food & Agricultural Products Sub Group: Cooked Food

ULR NO: TC407123000001725F

S.No	Parameters	Protocol	Unit	Result	PHLS limits/Specification
1	Enumeration of Coliforms	IS 5401 (Part 1)	CFU/g	Absent	Absent
2	Yeast & moulds	IS 5403	CFU/g	Absent	Absent
3	Total Plate Count	IS 5402	CFU/g	38	100
4	Enumeration of E.coli	IS 5887 (Part 1)	CFU/g	Absent	Absent
5	Salmonella	IS 5887 (Part 3)	CFU/g	Absent	Absent

INFERENCE

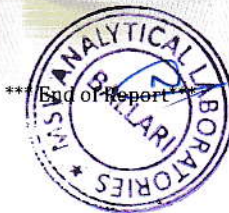
As per PHLS Limits, PHLS: Public Health Laboratory Services, United Kingdom

Report Status: - The analyzed values for above measured parameters are Confirming to the standards.

Analysed by

Authorized Signatory

Mrs. Eswari
Sr. Microbiologist



*** End of Report ***

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