

(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, (0) : 9945456764, 08392-255169 Email: labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID: www.msvalbellary.com



ANALYSIS REPORT OF AMBIENT AIR QUALITY

MSVAL/AA/RF/01/00

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 Sample Collected By Near Weigh Bridge 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 Date of Sample Receipt

07.06.2023 08.06.2023

8. Sample Code 2349

Analysis Starting Date Analysis Completion Date 10.

08.06.2023 14.06.2023

Report Issue Date

14.06.2023

12. **Sampling Protocol** IS 5182: Part 14: 2019

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

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	μg / m³	95.40	100
2	Particulate Matter PM _{2,5}	IS-5182(Part-24)	μg / m³	40.30	60
3	Sulphur Dioxide as SO ₂	IS-5182(Part-2)	μg / m³	7.91	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	μg / m³	12.08	80

INCEDENCE	As per NAAQS Standards	All the state of t
INFERENCE	Report Status: - The analyzed valu	es 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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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

Sample Collected By MSV Analytical Laboratories

3. Particulars of the sampling Equipments

Sample collected with FDS GTI-131& RDS APM-460

Duration of Monitoring Date of Monitoring

24 Hours 07.06.2023

Date of Sample Receipt 7.

08.06.2023

Sample Code 9. **Analysis Starting Date** 2350 08.06.2023

10. **Analysis Completion Date** Report Issue Date 11.

14.06.2023 14.06.2023

12. Sampling Protocol

IS 5182: Part 14: 2019

Near Main Gate

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 / m³	89.70	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	μg / m³	40.62	60
3	Sulphur Dioxide as SO ₂	IS-5182(Part-2)	μg / m³	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
INFERENCE	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

Name and Address of Industry

M/s. Ashok Iron Works Pvt Ltd., (Plant-III) S.No.5, SR No 552B/553B & 592B, Machhe

Name of the location

Sample Collected By 3.

Particulars of the sampling Equipments

Duration of Monitoring Date of Monitoring

Date of Sample Receipt

Sample Code

9. **Analysis Starting Date**

10. **Analysis Completion Date**

11. Report Issue Date

12. **Sampling Protocol**

Industrial Estate, Machhe, Belagavi-590014.

Near STP Plant (60 KLD)

MSV Analytical Laboratories

Sample collected with FDS GTI-131& RDS APM-460

24 Hours

07.06.2023

08.06.2023

2351

08.06.2023

14.06.2023

14.06.2023

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 / m³	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 / m³	6.99	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	μg / m ³	12.14	80

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

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 EMMISSION

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.

Medium Frequency Induction Furnace System - 1

3. Sample Collected By MSV Analytical Laboratories 07.06.2023

Date of Monitoring Date of Sample Receipt 5.

08.06.2023

6. Sample Code

Stack ID

2356

Analysis Starting Date 7. **Analysis Completion Date** 8.

08.06.2023 14.06.2023

Report Issue date

14.06.2023

Discipline: Chemical

2.

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001704F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121 Electric		
Fuel Used			
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 (m²)	2.7771		

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm³	53.52	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm³	10.34	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm³	16.01	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

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ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

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.

Paint Booth No.1 (PNG)

MSV Analytical Laboratories

2. Stack ID

Discipline: Chemical

Sample Collected By

Date of Monitoring 4. Date of Sample Receipt

Analysis Completion Date 8.

Sample Code **Analysis Starting Date**

14.06.2023 Report Issue date 14.06.2023

> Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407123000001705F

GENERAL DETAILS

07.06.2023

08.06.2023

08.06.2023

2357

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		

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm³	28.41	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	8.94	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	14.25	Not Specified
T VOC's	GC-FID	μg/Nm3	BDL	Not Specified

As per KSPCB Standards, INFERENCE

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



TC-4071

ANALYSIS REPORT FOR SOURCE EMMISSION

M/s. Ashok Iron Works Pvt Ltd., (Plant-III)

S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.

: Shot Blast Machine - 1

: MSV Analytical Laboratories

Date of Monitoring : 07.06.2023 Date of Sample Receipt : 08.06.2023

5. Date of Sample Receipt : 08.06.2023 6. Sample Code : 2358

Name and Address of the Industry

7. Analysis Starting Date : 08.06.2023 8. Analysis Completion Date : 14.06.2023 9. Report Issue date : 14.06.2023

Discipline: Chemical

2.

3.

Stack ID

Sample Collected By

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001706F

MSVAL/SE/RF/01/00

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 (m²)	0.1810		

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm³	140.7	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm³	11.54	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm³	18.90	Not Specified

As per KSPCB Standards,

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

Analysed by

TSW + 53

Authorized Signatory

B.Chinna Lingana Gouda Chief executive of the laboratory

Note: 1. 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/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMMISSION

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

2. Stack ID

Industrial Estate, Machhe, Belagavi-590014. Shot Blast Machine- 2, Air Booth 1& 2, Nozzle Blast

Machine- 2- common cyclone, bag filter & common

chimney

3. Sample Collected By

MSV Analytical Laboratories

4. Date of Monitoring
5. Date of Sample Receipt

07.06.2023

5. Date of Sample Receipt

08.06.2023 2359

6. Sample Code7. Analysis Starting Date

08.06.2023

8. Analysis Completion Date
9. Report Issue date

14.06.2023 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 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/Nm³	137.5	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm³	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

Analysed by

11-3



Authorized Signatory

B.Chinna Lingana Gouda Chief executive of the laboratory

Note: 1. 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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ANALYSIS REPORT FOR SOURCE EMMISSION

M/s. Ashok Iron Works Pvt Ltd., (Plant-III)

S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.

Shot Blast Machine - 3

Stack ID Sample Collected By MSV Analytical Laboratories 3.

Date of Monitoring 4. 07.06.2023 **Date of Sample Receipt** 08.06.2023 Sample Code 2360 **Analysis Starting Date** 08.06.2023 **Analysis Completion Date** 14.06.2023 8. Report Issue date 14.06.2023

Name and Address of the Industry

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001708F

MSVAL/SE/RF/01/00

CH N SHOOM	A B 3467 And 1177
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 (m²)	0.1810

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm³	128.9	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm³	11.45	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm³	17.21	Not Specified

INFERENCE

As per KSPCB Standards,

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

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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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMMISSION

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 3.

MSV Analytical Laboratories

4. Date of Monitoring **Date of Sample Receipt** 07.06.2023

Sample Code

08.06.2023 2361

Analysis Starting Date Analysis Completion Date R.

08.06.2023 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-12		
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 (m²)	0.1810		

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm³	132.2	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm³	10.43	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm³	16.17	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

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ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

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 - 6

Sample Collected By 3.

MSV Analytical Laboratories

Date of Monitoring

07.06.2023

Date of Sample Receipt

08.06.2023

Sample Code 7.

2362 08.06.2023

Analysis Starting Date Analysis Completion Date

14.06.2023

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 Managements
Stack Temperature (°C)	41
Velocity (m/s)	6.59
Height (m)	15 m AGL
Diameter (m)	0.48
Cross sectional area (m²)	0.1810

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm³	130.8	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm³	11.93	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm³	18.42	Not Specified

INFERENCE

As per KSPCB Standards,

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

Analysed by



B.Chinna Lingana Gouda Chief executive of the laboratory

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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMMISSION

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

3.

6.

Discipline: Chemical

Sand Drying Unit - II Sample Collected By MSV Analytical Laboratories

Group: Atmospheric Pollution

4. Date of Monitoring

07.06.2023 08.06.2023 Date of Sample Receipt Sample Code 2363 08.06.2023

Analysis Starting Date 7. 8. **Analysis Completion Date**

Report Issue date

Sub Group: Stack emission

ULR No: TC407123000001711F

GENERAL DETAILS

14.06.2023 14.06.2023

Instrument Used for Sampling	Sample collected with GTI-12:		
Fuel Used	PNG		
Ambient Temperature (°C)	32 A A A		
Stack Temperature (°C)	44 1/4		
Velocity (m/s)	7.20		
Height (m)	22 m AGL		
Diameter (m)	1.0		
Cross sectional area (m²)	0.7857		

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm³	43.50	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm³	9.72	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm³	15.34	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.32	Not Specified

As per KSPCB Standards, INFERENCE

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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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMMISSION

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

3. Sample Collected By Date of Monitoring

MSV Analytical Laboratories 07.06.2023

Date of Sample Receipt Sample Code

08.06.2023 2364

Analysis Starting Date 7. 8. **Analysis Completion Date** 08.06.2023 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-1	
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 (m²)	0.7857

RESULTS

Parameters	Protocol	Unit	Result _	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm³	28.11	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm³	9.24	Not Specified
Nitrogen dioxide	IS-11255(Part7)	mg/Nm³	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.Chimna Lingana Gouda Chief executive of the laboratory

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 EMMISSION

MSVAL/SE/RF/01/00

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 Cylinder Head Core Oven

Sample Collected By

MSV Analytical Laboratories

Date of Monitoring

08.06.2023

Date of Sample Receipt

09.06.2023

2448

Sample Code 6. **Analysis Starting Date** 7.

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/Nm³	22.50	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	8.06	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	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

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

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



MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMMISSION

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

Core pre heating-Conventional Core Shop
(Sharp thermal)

3. Sample Collected By

MSV Analytical Laboratories

4. Date of Monitoring5. Date of Sample Receipt

: 08.06.2023 : 09.06.2023

6. Sample Code

2449

7. Analysis Starting Date8. Analysis Completion Date

: 09.06.2023 : 14.06.2023

9. 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 mg/m2 12	
Velocity (m/s)	6.32	
Height (m)	1	
Diameter (m)	0.27	
Cross sectional area (m²)	0.0572	

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	42.35	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	7.14	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	13.06	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.29	Not Specified

INFERENCE

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,

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 EMMISSION

MSVAL/SE/RF/01/00

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 **New Sand Preparation Plant**

(Sand Plant, Shake out, Sand Cooler)

Sample Collected By 3.

MSV Analytical Laboratories

Date of Monitoring

08.06.2023

Date of Sample Receipt

09.06.2023

Sample Code **Analysis Starting Date** 7.

2450 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-12		
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 (m²)	4.5259		

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	38.65	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	8.42	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	12.96	Not Specified

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

Analysed by



B.Chinna Lingana Gouda

Chief executive of the laboratory

^{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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NABL Accredited Laboratory

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

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



TC- 4071

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ANALYSIS REPORT FOR SOURCE EMMISSION

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

 4. Date of Monitoring
 : 08.06.2023

 5. Date of Sample Receipt
 : 09.06.2023

 6. Sample Code
 : 2451

 7. Analysis Starting Date
 : 09.06.2023

 8. Analysis Completion Date
 : 14.06.2023

Name and Address of the Industry

Report Issue date

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

14.06.2023

GENERAL DETAILS

Sample collected with GTI-121		
Electric		
32 " respective "		
43		
6.91		
15 m AGL		
1 1 1 0.48 minutes		
90kg % / 0.1810		

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter 🦠	IS-11255(Part1)	mg/Nm³	73.15	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	8.99	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	13.25	Not Specified

As per KSPCB Standards
INFERENCE
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,

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 EMMISSION

MSVAL/SE/RF/01/00

Name and Address of the Industry

M/s. Ashok Iron Works Pvt Ltd., (Plant-III)

S.No.5, SR No 552B/553B & 592B, Machhe

2. Stack ID Industrial Estate, Machhe, Belagavi-590014. Robo No-4, Manual Work tables, Air Booth No.3 &

Nozzle Blast Machine No.3

3. Sample Collected By

MSV Analytical Laboratories

Date of Monitoring Date of Sample Receipt 08.06.2023

09.06.2023

Sample Code 6.

2452

Analysis Starting Date Analysis Completion Date 09.06.2023 14.06.2023

Report Issue date

14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001766F

The second second	APPL TO THE PARTY OF THE PARTY	
Instrument Used for Sampling Sample collected with GT		
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 (m²)	0.7857	

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	34.26	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	7.95	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	13.72	Not Specified

INFERENCE

As per KSPCB Standards

Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

B.Chima Lingana Gouda Chief executive of the laboratory

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 EMMISSION

MSVAL/SE/RF/01/00

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. Paint Booth No. 2

Stack ID

Sample Collected By 3.

MSV Analytical Laboratories

Date of Monitoring Date of Sample Receipt 08.06.2023 09.06.2023

Sample Code

2453

Analysis Starting Date 7. 8. **Analysis Completion Date** 09.06.2023 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)	3111
Stack Temperature (°C)	40
Velocity (m/s)	6.38
Height (m)	13.2
Diameter (m)	0.6
Cross sectional area (m²)	0.2828

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	27.60	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	10.54	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	16.11	Not Specified
T VOC's	GC-FID	μg/Nm³	BDL	Not Specified

As per KSPCB Standards INFERENCE 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

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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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMMISSION

Name and Address of the Industry

M/s. Ashok Iron Works Pvt Ltd., (Plant-III)

S.No.5, SR No 552B/553B & 592B, Machhe

Stack ID

Industrial Estate, Machhe, Belagavi-590014. High Frequency Decoring Machine No.1, Snag Grinding

Machine No.2 & Snag Grinding Machine No.3

3. Sample Collected By MSV Analytical Laboratories

Date of Monitoring

08.06.2023

5. **Date of Sample Receipt** 09.06.2023

Sample Code 6.

2454

7. **Analysis Starting Date** 09.06.2023

Analysis Completion Date 8. Report Issue date

14.06.2023 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 (m²)	0.7857		

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	41.25	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	9.08	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	13.71	Not Specified

INFERENCE

As per KSPCB Standards

Report Status: - The analyzed value for above measured parameter is within the limits.

Authorized Signatory

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

ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

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 Sample Collected By 3.

Sand Drying Unit - I MSV Analytical Laboratories

Date of Monitoring

08.06.2023

Date of Sample Receipt Sample Code

09.06.2023 2458

Analysis Starting Date 8.

09.06.2023

Analysis Completion Date Report Issue date

14.06.2023 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission ULR No: TC407123000001772F

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)	May 1.0		
Cross sectional area (m²)	0.7857		

RESULTS

	110000	ZAU.		201
Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	136.2	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	12.08	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	17.75	Not Specified
Carbon Monoxide	IS 13270 (Orsat Apparatus USEPA 3A:1989	%	0.25	Not Specified

As per KSPCB Standards INFERENCE 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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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, (0): 9945456764, 08392-255169 Email: labmsv@gmail.com, msvalbellary2018@gmail.com, msv.lab01@gmail.com Web ID: www.msvalbellary.com



ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

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 New Decoring System & Intermediate hopper station for sand conveying to Loramendi cell

Sample Collected By

MSV Analytical Laboratories

Date of Monitoring Date of Sample Receipt 5.

08.06.2023 09.06.2023

Sample Code

2455

Analysis Starting Date 7. **Analysis Completion Date** 09.06.2023 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 wym		
Cross sectional area (m²)	0.9507		

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	57.14	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	9.02	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	15.27	Not Specified

As per KSPCB Standards INFERENCE

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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NABL Accredited Laboratory

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

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



TC-4071

ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

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 Receipt6. Sample Code

09.06.2023 2456

7. Analysis Starting Date

09.06.2023

8. Analysis Completion Date9. Report Issue date

14.06.2023 14.06.2023

Discipline: Chemical

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

GENERAL DETAILS

Instrument Used for Sampling Sample collected with			
Fuel Used	Electric		
Ambient Temperature (ºC)	32 000		
Stack Temperature (°C)	39		
Velocity (m/s)	6.87		
Height (m)	25 m AGL		
Diameter (m)	1.88		
Cross sectional area (m²)	2.7771		

RESULTS

RESULTS SAMPLING				
Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	50.80	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	10.04	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	14.79	Not Specified

INFERENCE

As per KSPCB Standards

Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Halysed by



Authorized Signatory

B.Chinna Lingana Gouda Chief executive of the laboratory

Note: 1. 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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ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

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 63ltrs Core Shooter Scrubber - New

3. Sample Collected By MSV Analytical Laboratories

Date of Monitoring Date of Sample Receipt 08.06.2023 09.06.2023

Sample Code

2457 09.06.2023

Analysis Starting Date Analysis Completion Date Report Issue date

14.06.2023 14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission ULR No: TC407123000001771F

Sample collected with GTI-121		
Electric		
20 m		
0.3		
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

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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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMMISSION

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 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 Analysis Completion Date 10.06.2023

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)	2 7 0.35		
Cross sectional area (m²)	0.0962		

	ALDOO.	0.0		
Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	42.05	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	9.74	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	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.

Analysed by



Authorized Signatory

B.Chima 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 EMMISSION

MSVAL/SE/RF/01/00

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

Pneumatic Sand Conveying System-

3. Sample Collected By Conventional Coreshop MSV Analytical Laboratories

Date of Monitoring Date of Sample Receipt 09.06.2023

Sample Code

10.06.2023 2565

7. **Analysis Starting Date Analysis Completion Date** 10.06.2023 14.06.2023

Report Issue date

14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission ULR No: TC407123000001843F

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 (m2)	0.0176		

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	61.59	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	10.34	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	15.10	Not Specified

As per KSPCB Standards INFERENCE

Report Status: - The analyzed value for above measured parameter is within the limits.

B.Chinna Lingana Gouda Chief executive of the laboratory

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 EMMISSION

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.2 MSV Analytical Laboratories

3. Sample Collected By **Date of Monitoring** 4.

09.06.2023 10.06.2023

Date of Sample Receipt Sample Code 6.

2566

Analysis Starting Date 7. Analysis Completion Date 10.06.2023 14.06.2023

Report Issue date

14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001844F

MSVAL/SE/RF/01/00

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 (m²)	0.0707		

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	31.60	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	7.52	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	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



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

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 EMMISSION

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 : High Frequency Decoring Machine No.3
Sample Collected By : MSV Analytical Laboratories

4. Date of Monitoring : 09.06.2023 5. Date of Sample Receipt : 10.06.2023

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

Analysis Completion Date : 14.06.2023
Report Issue date : 14.06.2023

Discipline: Chemical Group: Atmospheric Pollution Sub Gro

Name and Address of the Industry

on Sub Group: Stack emission ULR No: TC407123000001845F

GENERAL DETAILS

The state of the s		
Sample collected with GTI-121		
Electric enven		
32		
51		
7.47		
5 m AGL		
0.45		
0.1591		

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	28.04	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	9.65	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	16.12	Not Specified

INFERENCE

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

ote: 1. 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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ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

Name and Address of the

Industry Stack ID

M/s. Ashok Iron Works Pvt Ltd., (Plant-III)

S.No.5, SR No 552B/553B & 592B, Machhe Industrial Estate, Machhe, Belagavi-590014.

Cold box Core Shooter-1 to 12 No's (Conventional

Coreshop) MSV Analytical Laboratories

3. Sample Collected By

Date of Monitoring

09.06.2023

Date of Sample Receipt 5.

10.06.2023 2560

Sample Code Analysis Starting Date 8.

10.06.2023 14.06.2023

Analysis Completion Date Report Issue date

14.06.2023

Discipline: Chemical

2.

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001838F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121		
Fuel Used	Electric W		
Ambient Temperature (°C)	32		
Stack Temperature (°C)	34		
Velocity (m/s)	6.48		
Height (m)	20		
Diameter (m)	1		
Cross sectional area (m²)	0.7857		

DECIII TO

ol Unit	Result	Standards
D μg/Nm³	BDL	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 EMMISSION

MSVAL/SE/RF/01/00

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 Core Drying Oven-2 No's (Wood fired

3. Sample Collected By Conventional Core shop) MSV Analytical Laboratories

Date of Monitoring Date of Sample Receipt

09 06 2023 10.06.2023

Sample Code

2561

Analysis Starting Date Analysis Completion Date 10.06.2023 14.06.2023

Report Issue date

14.06.2023

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Stack emission

ULR No: TC407123000001839F

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 (m²)	0.0572		

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	34.58	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	7.61	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	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

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

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



TC- 4071

ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

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 2562

6. Sample Code7. 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-12		
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 (m²)	0.1810		

RESULTS

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	117.9	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	11.30	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	17.81	Not Specified

INFERENCE

As per KSPCB Standards

E

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



lote: 1. 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/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMMISSION

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)

3. Sample Collected By

Date of Monitoring

MSV Analytical Laboratories 09.06.2023

4. **Date of Sample Receipt**

10.06.2023

Sample Code 6.

2563 10.06.2023

Analysis Starting Date Analysis Completion Date

14.06.2023

Report Issue date

14.06.2023

Discipline: Chemical

2.

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)	7 0.6
Cross sectional area (m²)	0.2828

Parameters	Protocol	Unit	Result	Standards
Particulate Matter	IS-11255(Part1)	mg/Nm³	87.35	150
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	9.60	Not Specified
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	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

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.

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



TC-4071

ANALYSIS REPORT FOR SOURCE EMMISSION

MSVAL/SE/RF/01/00

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

Sample Collected By
 Date of Monitoring

MSV Analytical Laboratories 09.06.2023

5. Date of Sample Receipt

10.06.2023

6. Sample Code

2564

7. Analysis Starting Date8. Analysis Completion Date

10.06.2023 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-12		
Fuel Used	Electric		
Ambient Temperature (°C)	31		
Stack Temperature (°C)	36		
Velocity (m/s)	7.29		
Height (m)	20 m AGL		
Diameter (m)	*******		
Cross sectional area (m²)	0.7857		

RESULTS

<u>RESOLTS</u>								
Parameters	Protocol	Unit	Result	Standards				
Particulate Matter	IS-11255(Part1)	mg/Nm³	34.02	150				
Sulphur dioxide	IS-11255(Part 2)	mg/Nm³	9.16	Not Specified				
Nitrogen dioxide	IS-11255(Part 7)	mg/Nm³	13.20	Not Specified				

INFERENCE

As per KSPCB Standards

•

Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by

Analysed

End Repair

Authorized Signatory

~ Lf 19

B.Chinna Lingana Gouda Chief executive of the laboratory

lote: 1. 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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AMBIENT NOISE LEVEL MONITORING REPORT

MSVAL/AN/RF/01/00

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 3.

Noise meter

07.06.2023

Date of Monitoring 4. **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		Sal Kart	Time Frequency	Results (Day time)				
	Sample Location	Sample Code		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 Fettling Area	2367	10.45am to 11.00am	72.8	68.4	70.8	(6.00am to 10.00pm)	

INCEDENCE	As per KSPCB Standards,		oxedian,
INFERENCE	Report Status :- The Noise level fo	r the all locations is withir	the limits

Analysed by



Authorized Signatory

Chief executive of the laboratory

^{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.

^{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. 6. The tests and/or calibrations marked with an are not accredited by NABL.



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AMBIENT NOISE LEVEL MONITORING REPORT

MSVAL/AN/RF/01/00

Name of the industry

M/s. Ashok Iron Works Pvt Ltd., (Plant-III) S.No.5, SR No 552B/553B & 592B, Machhe

Sample Collected By

Industrial Estate, Machhe, Belagavi-590014. MSV Analytical Laboratories

Particulars of Sample Collected

Noise meter

Date of Monitoring

07.06.2023

5. Report Issue Date Method Adopted

14.06.2023 IS 9989: 2020

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Ambient Noise ULR NO: TC407123000001836F

		- AV	Time Frequency	Results (Night time)			
S.No	Sample Location	Sample Code		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)

	A STATE OF THE STA		With the A	
	As per KSPCB Standards,		eletropeous	935
INFERENCE	Taller Taller		1000000000	
	Report Status :- The Noise level for th	e all locations is within	n 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, msv.lab01@gmail.com Web ID : www.msvalbellary.com



LIGHT INTENSITY LEVEL MONITORING REPORT

1. 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.

2. Sample Collected By

MSV Analytical Laboratories

3. Particulars of Sample Collected

: LUX meter

4. Date of Monitoring5. Report Issue Date

07.06.2023 14.06.2023

6. Method Adopted

IS 9989: 2020

Discipline: Chemical

Group: Atmospheric Pollution

Sub Group: Light/Illumination

ULR NO: TC407123000001714F

MSVAL/AN/RF/01/00

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

Note: 1. 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.

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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ANALYSIS REPORT OF WATER QUALITY

MSVAL/W/RF/01/00

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

Treated Water 15 KLD Sewage Treatment Plant

Name of the location 3. Sample Collected By

MSV Analytical Laboratories

Sample quantity

Pet Bottle, 2 Liter.

Sample Description/condition **Date of Sample Collection**

Water/Good 07.06.2023

Date of sample receipt

08.06.2023

Sample Code **Analysis Starting Date** 10.

2378 08.06.2023

Analysis Completion Date 11. **Report Issue Date** 12.

12.06.2023 14.06.2023

Discipline: Chemical

Group: Water

Sub Group: Waste Water

ULR NO: TC407123000001722F

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT	Tolerance Limits As per KSPCB Consent
1	pH @ 25° C	4500 H+ B APHA 23rd Edition	- 9	6.95	6.5 - 9.0
2	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025(part 44)	mg/L	14.0	≤20
3	Total Suspended solids	2540 F APHA 23rd Edition	mg/L	16.0	≤30
4	Oil & Grease	5520 D APHA 23rd Edition	mg/L	1.20	≤10

As per KSPCB Consent Standards, INFERENCE 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,

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



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.

Sample Marked as

: Treated Water

3. Name of the location

: 60 KLD Sewage Treatment Plant : MSV Analytical Laboratories

4. Sample Collected By5. Sample quantity

MSV Analytical Laborate
 Pet Bottle, 2 Liter.

6. Sample Description/condition

: Good/satisfactory

Date of Sample Collection
 Date of sample receipt

07.06.2023 08.06.2023

9. Sample Code

: 2375

Analysis Starting Date
 Analysis Completion Date

: 08.06.2023 : 12.06.2023 : 14.06.2023

12. Report Issue Date Discipline: Chemical 0

Group: Water

Sub Group: Waste Water

ULR NO: TC407123000001719F

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT	Tolerance Limits As per KSPCB Consent
1	pH @ 25° C	4500 H+ B APHA 23rd Edition	- 44000	6.68	6.5 - 9.0
2	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025(part 44)	mg/L _{sperio}	10.0	≤20
3	Total Suspended solids	2540 F APHA 23rd Edition	mg/L	4.0	≤30
4	Oil & Grease	5520 D APHA 23rd Edition	mg/L	<1.0	≤10

As per KSPCB Consent Standards ,

INFERENCE

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

Analysed by

BALLANDER 75N + SIND Authorized Signatory

B.Chinna Lingana Gouda Chief executive of the laboratory

lote: 1. 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/W/RF/01/00

Page 1 of 2

ANALYSIS REPORT OF WATER QUALITY

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 : Core Shop

Name and Address of Industry

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: TC407123000001716F

		77/WW			IS 10500-2018		
S.No	Parameters	Protocol	Unit /	Result	Acceptable limit	Permissible limit	
57		Physical Para	ameters	A The	-		
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	
	K.	Chemical Par	ameters	Magna	on S		
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 CI	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 23rd Edition	mg/L	< 0.01	Max 0.3	No Relaxation	

IS 10500 - 2018 Standards, BDL - Below Detectable Limit

INFERENCE

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

Analysed by

B.Chinna Lingana Gouda
Chief executive of the laboratory

Authorized Signatory

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.

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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MSVAL/W/RF/01/00 Page 2 of 2

ANALYSIS REPORT OF WATER IN MICROBIOLOGY

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 Core Shop

Name of the location 3. Sample Collected By

MSV Analytical Laboratories

Sample quantity

Sterilized Bottle, 250 ml

Sample Description/condition 7. **Date of Sample Collection**

Good/satisfactory

8. Date of sample receipt 07.06.2023 08.06.2023

Sample Code 9.

2373

10. **Analysis Starting Date Analysis Completion Date** 11.

08.06.2023 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

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.

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.



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

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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.

Sample Marked as
 Name of the location

: Drinking Water : Fettling Area

4. Sample Collected By

: MSV Analytical Laboratories

Sample quantity
 Sample Description/condition

: Pet Bottle, 2 Liter. : Good/satisfactory

Date of Sample Collection
 Date of sample receipt

: 07.06.2023

8. Date of sample i9. Sample Code

08.06.2023 2374

10. Analysis Starting Date

: 08.06.2023 : 14.06.2023

Analysis Completion Date
 Report Issue Date

: 14.06.2023 : 14.06.2023

Discipline: Chemical

Group: Water

Sub Group: Drinking Water

ULR NO: TC407123000001718F

			and the	Martin Himmer	IS 10500-2018	
S.No	Parameters	Protocol	Unit	Result	Acceptable limit	Permissible limit
		Physical Para	ameters	**************************************	1	
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)	T. 12 -	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
	17	Chemical Par	ameters	Sanday-		
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 23rd Edition	mg/L	< 0.01	Max 0.3	No Relaxation

As per KSPCB Consent Standards , BDL – Below Detectable Limit

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

Analysed by

*** End of Report Salvar

Authorized Signatory

B.Chinna Lingana Gouda

Chief executive of the laboratory

Note: 1. 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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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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ANALYSIS REPORT OF WATER IN MICROBIOLOGY

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 3. Name of the location **Drinking Water Fettling Area**

4. Sample Collected By Sample quantity

MSV Analytical Laboratories Sterilized Bottle, 250 ml

Sample Description/condition 6.

Good/satisfactory

Date of Sample Collection 8. Date of sample receipt

07.06.2023 08.06.2023

Q. Sample Code 10. **Analysis Starting Date**

2374 08.06.2023

11. **Analysis Completion Date Report Issue Date**

12.06.2023 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	
2	E.Coli	IS 15185	MPN/100ml	Absent	any 100ml	

INFERENCE

IS 10500 - 2018 Standards

Report Status: - The above measured parameters are within the permissible limits.

Analysed by

Authorized Signatory

Microbiologist

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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MSVAL/W/RF/01/00

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

Treated Water 2 KLD Effluent Treatment Plant

3. Name of the location 4. Sample Collected By Sample quantity

MSV Analytical Laboratories Pet Bottle, 2 Liter.

Sample Description/condition Date of Sample Collection

Good/satisfactory 07.06.2023 08.06.2023

Date of sample receipt 8. Sample Code

2379 08.06.2023 13.06.2023

10. **Analysis Starting Date Analysis Completion Date Report Issue Date** 12.

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)	J- 1	Agreeable	Not Specified
3	Electrical Conductivity @ 25°C	2510 B-APHA 23rd Edition	μs/cm	1200.0	Max 2250
4	pH @ 25° C	4500 H+ B APHA 23rd Edition	- 1	6.38	5.5-9.0
5	Total Suspended solids	2540 F APHA 23rd Edition	mg/L	10.0	Max 100
6	Total dissolved solids	2540 C APHA 23rd 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 23rd Edition	mg/L	65.2	Max 600
9	Sulphate (as SO ₄)	4500 SO4 APHA 23rd Edition	mg/L	50.8	Max 1000
10	Oil & Grease	5520 D APHA 23rd 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 23rd Edition	mg/L	0.15	Max 2.0
13	Hexavalent Chromium as Cr	3500-Cr B-APHA 23rd Edition	mg/L	< 0.01	Max 0.1
14	Lead as Pb	3120B-APHA 23rd Edition	mg/L	< 0.01	Max 0.1
15	Copper as Cu	3120B-APHA 23rd Edition	mg/L	<0.1	Max 3.0
16	Total Chromium	3120B-APHA 23rd Edition	mg/L	<0.1	Max 2.0

As per KSPCB Consent Standards, INFERENCE

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

MSVAL/W/RF/01/00

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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MSVAL/W/RF/01/00

ANALYSIS REPORT OF FOOD IN MICROBIOLOGY

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

Name of the location

Canteen

Sample Collected By 4.

MSV Analytical Laboratories

Sample quantity

Sterilized Box, 100g

Sample Description/condition 6.

Cooked Food/Good

Date of Sample Collection 8. Date of sample receipt

07.06.2023 07.06.2023

Sample Code

2380

Analysis Starting Date

07.06.2023

11. **Analysis Completion Date** Report Issue Date

12.06.2023 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 Llw209ll Mrs. Eswari Sr. Microbiologist

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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MSVAL/W/RF/01/00

ANALYSIS REPORT OF FOOD IN MICROBIOLOGY

Bhaji

Sterilized Box, 100g

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 Name of the location

Canteen Sample Collected By MSV Analytical Laboratories

Sample quantity Sample Description/condition

Cooked Food/Good **Date of Sample Collection** 07.06.2023 Date of sample receipt 07.06.2023 Sample Code 2380 **Analysis Starting Date**

10. 07.06.2023 11. **Analysis Completion Date** 12.06.2023 **Report Issue Date** 15.06.2023 12.

Discipline: Biological

Group: Food & Agricultural Products

Sub Group: Cooked Food

ULR NO: TC407123000001725F

S.No	Parameters 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

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

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

Analysed by

Authorized Signatory

Mrs. Eswari Sr. Microbiologist

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

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