



MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986

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

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) : 08392-255169,

E-mail : msvalbellary2018@gmail.com, labmsv@gmail.com Website : www.msvalbellary.com

MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2022/4327

Issued Date: 18.04.2022

1. Name of the Project : M/s. Bilagi Sugar Mill Ltd.,
Badagandi Village, Dist : Bagalkot-587116
2. Name of the location : Near Main Gate
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sample collected : Sample collected with RDS 460BL/Fine
Particulate Sampler
5. Date of Sample Receipt : 14.04.2022
6. Analysis Starting Date : 15.04.2022
7. Analysis Completion Date : 18.04.2022
8. Sample Tested as Received

RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) – 2006	µg/m ³	24 hrs	67.45	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m ³	24 hrs	26.09	60
3	Sulphur Dioxide as SOx	IS-5182(Part-2) – 2001	µg/m ³	24 hrs	5.30	80
4	Oxides of Nitrogen as NOx	IS-5182(Part-6) – 2006	µg/m ³	24 hrs	10.47	80
5	Ozone as O ₃	IS 5182(part-9)1974	µg/m ³	1 hrs	BDL	180
6	Lead	IS-5182(Part22) - 2004	µg/m ³	24 hrs	BDL	1
7	Carbon Monoxide as CO	LAB SOP: MSVAL/SOP/A/07, Dt: 2.7.2012	mg/m ³	1 hrs	1.95	4
8	Ammonia as NH ₃	LAB SOP: MSVAL/SOP/A/06, Dt: 2.7.2012	µg/m ³	24 hrs	BDL	400
9	Benzene as C ₆ H ₆	IS:5182(part 11) – 2006	µg/m ³	8 hrs	BDL	5
10	Benzo (α) Pyrene (BaP)	CPCB Procedure	ng/m ³	8 hrs	BDL	1
11	Arsenic as As	CPCB Procedure	ng/m ³	8 hrs	BDL	6
12	Nickel as Ni	LAB SOP: MSVAL/SOP/A/08, Dt: 2.7.2012	ng/m ³	8 hrs	BDL	20

BDL-Below Detectable Limit, BDL(Ozone-5 µg/m³, Lead-0.04 µg/m³, Ammonia-5 µg/m³, Benzene-3.6 µg/m³, Benzo (α) Pyrene (BaP)-0.1 ng/m³, Arsenic-3.5 ng/m³, Nickel-10 ng/m³, Carbon Monoxide-1.5mg/m³)

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

Verified by

Ramey



Authorized Signature

Lingy W. L.

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

2. Water samples will be 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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MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2022/4328

Issued Date: 18.04.2022

1. Name of the Project : M/s. Bilagi Sugar Mill Ltd.,
Badagandi Village, Dist : Bagalkot-587116
2. Name of the location : Near Civil Office
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sample collected : Sample collected with RDS 460BL/Fine Particulate Sampler
5. Date of Sample Receipt : 14.04.2022
6. Analysis Starting Date : 15.04.2022
7. Analysis Completion Date : 18.04.2022
8. Sample Tested as Received

RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) – 2006	µg/m ³	24 hrs	62.95	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m ³	24 hrs	25.30	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2) – 2001	µg/m ³	24 hrs	5.12	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6) - 2006	µg/m ³	24 hrs	10.36	80
5	Ozone as O ₃	IS 5182(part-9)1974	µg/m ³	1 hrs	BDL	180
6	Lead	IS-5182(Part22) - 2004	µg/m ³	24 hrs	BDL	1
7	Carbon Monoxide as CO	LAB SOP: MSVAL/SOP/A/07, Dt: 2.7.2012	mg/m ³	1 hrs	1.75	4
8	Ammonia as NH ₃	LAB SOP: MSVAL/SOP/A/06, Dt: 2.7.2012	µg/m ³	24 hrs	BDL	400
9	Benzene as C ₆ H ₆	IS:5182(part 11) – 2006	µg/m ³	8 hrs	BDL	5
10	Benzo (α) Pyrene (BaP)	CPCB Procedure	ng/m ³	8 hrs	BDL	1
11	Arsenic as As	CPCB Procedure	ng/m ³	8 hrs	BDL	6
12	Nickel as Ni	LAB SOP: MSVAL/SOP/A/08, Dt: 2.7.2012	ng/m ³	8 hrs	BDL	20

BDL-Below Detectable Limit, BDL(Ozone-5 µg/m³, Lead-0.04 µg/m³, Ammonia-5 µg/m³, Benzene-3.6 µg/m³, Benzo (α) Pyrene (BaP)-0.1 ng/m³, Arsenic-3.5 ng/m³, Nickel-10 ng/m³, Carbon Monoxide-1.5mg/m³)

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Verified by

Rameel



Authorized Signature

Longy C. M.

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

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MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2022/4329

Issued Date: 18.04.2022

1. Name of the Project : M/s. Bilagi Sugar Mill Ltd.,
2. Name of the location : Badagandi Village, Dist : Bagalkot-587116
3. Sample Collected By : Near Administrative Office
4. Particulars of the sample collected : MSV Analytical Laboratories
5. Date of Sample Receipt : Sample collected with RDS 460BL/Fine
6. Analysis Starting Date : Particulate Sampler
7. Analysis Completion Date : 14.04.2022
8. Sample Tested as Received : 15.04.2022

RESULTS

S.NO	PARAMETERS	PROTOCOLS	UNITS	DURATION OF MONITORING	RESULTS	NAAQ STANDARDS
1	Particulate Matter PM10	IS-5182(Part-23) – 2006	µg/m ³	24 hrs	57.02	100
2	Particulate Matter PM2.5	LAB SOP: MSVAL/SOP/A/05, Dt: 2.7.2012	µg/m ³	24 hrs	18.56	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2) – 2001	µg/m ³	24 hrs	4.74	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6) - 2006	µg/m ³	24 hrs	9.81	80
5	Ozone as O ₃	IS 5182(part-9)1974	µg/m ³	1 hrs	BDL	180
6	Lead	IS-5182(Part22) - 2004	µg/m ³	24 hrs	BDL	1
7	Carbon Monoxide as CO	LAB SOP: MSVAL/SOP/A/07, Dt: 2.7.2012	mg/m ³	1 hrs	1.42	4
8	Ammonia as NH ₃	LAB SOP: MSVAL/SOP/A/06, Dt: 2.7.2012	µg/m ³	24 hrs	BDL	400
9	Benzene as C ₆ H ₆	IS:5182(part 11) – 2006	µg/m ³	8 hrs	BDL	5
10	Benzo (α) Pyrene (BaP)	CPCB Procedure	ng/m ³	8 hrs	BDL	1
11	Arsenic as As	CPCB Procedure	ng/m ³	8 hrs	BDL	6
12	Nickel as Ni	LAB SOP: MSVAL/SOP/A/08, Dt: 2.7.2012	ng/m ³	8 hrs	BDL	20

BDL-Below Detectable Limit, BDL(Ozone-5 µg/m³, Lead-0.04 µg/m³, Ammonia-5 µg/m³, Benzene-3.6 µg/m³, Benzo (α) Pyrene (BaP)-0.1 ng/m³, Arsenic-3.5 ng/m³, Nickel-10 ng/m³, Carbon Monoxide-1.5mg/m³)

INFERENCE	As per NAAQ Standards Report Status :- The analyzed value for above measured parameter is within the limits
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Verified by

Ramesh



Authorized Signature

Dr. V. K. R.

Note: 1. The results listed only to the tested samples & applicable parameters,
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E-mail : msvballary2018@gmail.com, labmsv@gmail.com, Website : www.msvballary.com



MSVAL/A/F/18/03

ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: TC720722000009845F

Issued Date: 18.04.2022

1. Name of the Project : M/s. Bilagi Sugar Mill Ltd.,
Badagandi Village, Dist : Bagalkot-587116
2. Name of the location : 160 TPH Boiler
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sample collected : Stack Sampler
5. Date of Sample Receipt : 14.04.2022
6. Analysis Starting Date : 15.04.2022
7. Analysis Completion Date : 18.04.2022
8. Sample Tested as Received

GENERAL DETAILS

Date of Monitoring	14.04.2022
Fuel Used	Bagasse
Stack Temperature (°C)	136
Velocity (m/s)	7.78
Height (m)	85
Diameter (m)	3.0

RESULTS

PARAMETERS	PROTOCOL	UNIT	RESULT	KSPCB STANDARDS
Particulate Matter	IS-11255(Part 1) - 1985	mg/Nm ³	118.2	150

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

Ramul

Authorized Signature

Long et al.



Note: 1. The results listed only to the tested samples & applicable parameters,
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MSVAL/A/F/17/04

NOISE LEVEL MONITORING REPORT

Test Report No: TC720722000009844F

Issued Date: 18.04.2022

1. Name of the Project : M/s. Bilagi Sugar Mill Ltd.,
Badagandi Village, Dist : Bagalkot-587116
2. Sample Collected By : MSV Analytical Laboratories
3. Particulars of the sample collected : Noise meter
4. Date of Monitoring : 14.04.2022
5. Report Date : 18.04.2022
6. Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			Min in dB(A) Leq	Max in dB(A) Leq	Avg. in dB(A) Leq	
Day Time						
1	Near Turbine Hall	11.05am to 11.20am	67.4	71.6	69.5	75 (6.00am to 10.00pm)
2	Old Turbine Hall	11.40am to 11.55am	70.9	73.4	72.2	

INFERENCE	As per KSPCB Standards,
	Report Status :- In the all locations Noise level is within the limits

Verified by

Ramesh

Authorized Signature

Deepa



- Note :
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