



AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Central Pollution Control Board, M/o Environment, Forest & Climate Change, Govt. of India.
- ISO 9001:2015 Certified Organization
- ISO 45001:2018 Certified Organization

भीमाशंकर सहकारी साखर कारखाना लि.

पत्र आक नं. १६९८

दिनांक - २०/१२/२०२३

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING

Page 1 of 1

NAME OF COMPANY:-

M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.
Dattatraynagar, Pargaon,
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406

Sample Location

East Side -Mr.Rajesh Dhobale House

Sample Collected By

AARL

Report No

AL/TR/91-422/2025-26

Report Date

06/12/2025

Inward No

AL/9-916/01/2025-26

Samplin Date

29/11/2025

Sampling Time

12:00 PM

Time duration

08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	54	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	24.51	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	27.69	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	52.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	22.70	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.84	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.47	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-05	2502629	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

[Signature]
Monika Mohite

Prepared by
(Ms. Monika Mohite)



...End of test report..

[Signature]
Anil Deobhankar

Authorized Signatory
(Mr. Anil Deobhankar)

GM
Purup
30/12

PM
T
Bhann
30/12



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/91-423/2025-26	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	06/12/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-916/02/2025-26	
Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Sampling Date	29/11/2025	
Sample Location	West Side -Mr. Mauli Awsare House	Sampling Time	12:20 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	59	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	21.18	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.76	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	48.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.50	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.69	< 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.25	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-04	2502628	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

M. Mohite

Prepared by
(Ms. Monika Mohite)



...End of test report...

Anil Deobhankar

Authorized Signatory
(Mr. Anil Deobhankar)



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal.-Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/91-424/2025-26
		Report Date	06/12/2025
		Inward No	AL/9-916/03/2025-26
		Sampling Date	29/11/2025
Sample Location	South Side- Mr. Yogesh Pingale House	Sampling Time	12:45 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	58	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	27.14	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	30.15	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	54.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	23.60	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.95	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.57	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-07	2502631	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Monika Mohite

Prepared by
(Ms. Monika Mohite)



...End of test report...

Anil Deobhankar

Authorized Signatory
(Mr. Anil Deobhankar)



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NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Blk, Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/91-425/2025-26	
		Report Date	06/12/2025	
		Inward No	AL/9-916/04/2025-26	
		Smpling Date	29/11/2025	
Sample Location	North Side -Mr. Manohar Dhobale House		Sampling Time	01:05 PM
Sample Collected By	AARL		Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	57	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	22.43	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.92	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	50.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.30	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.74	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.39	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-01	2502625	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Monika Mohite

Prepared by
(Ms. Monika Mohite)



...End of test report...

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NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/91-426/2025-26	
		Report Date	06/12/2025	
		Inward No	AL/9-916/05/2025-26	
		Sampling Date	29/11/2025	
Sample Location	Near Main Gate (Company Premises)		Sampling Time	11:45 AM
Sample Collected By	AARL		Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	51	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	28.65	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	31.14	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	57.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	23.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	17.04	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.65	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-03	2502627	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified



Prepared by
(Ms. Monika Mohite)

...End of test report...



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(Mr. Anil Deobhankar)



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/92-142/2025-26	
		Report Date	07/01/2026	
		Inward No	AL/9-961/01/2025-26	
		Sampling Date	29/12/2025	
Sample Location	South East - Shri Balasaheb Dhobale House	Sampling Time	10:30 AM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	49	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	29.18	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	26.89	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	52.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.70	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.76	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.68	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-01	2502625	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


Prepared by
(Ms. Monika Mohite)


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(Mr. Anil Deobhankar)

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NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406	Report No	AL/TR/92-143/2025-26	
	Report Date	07/01/2026	
	Inward No	AL/9-961/02/2025-26	
	Sampling Date	29/12/2025	
Sample Location	South West - Near Hotel Arati	Sampling Time	10:45 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	54	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	24.86	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	21.75	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	50.40	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.80	≤ 60	IS:5182(Part-24);RA-2024
7.	Ozone (O ₃)	µg/m ³	16.61	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.19	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-03	2502627	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Monika Mohite

Prepared by
(Ms. Monika Mohite)

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NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/92-144/2025-26
		Report Date	07/01/2026
		Inward No	AL/9-961/03/2025-26
		Sampling Date	29/12/2025
Sample Location	North West- Near Tanishka Mangal Karyalaya	Sampling Time	11:50 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	52	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	26.15	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.62	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	53.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.40	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.86	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.48	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-07	2502631	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal.-Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/92-145/2025-26	
		Report Date	07/01/2026	
		Inward No	AL/9-961/04/2025-26	
		Smpling Date	29/12/2025	
Sample Location	North East -Shri.Yogesh Dhobale House	Sampling Time	12:00 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	27.56	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.34	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	55.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	22.10	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.96	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.61	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling,3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-02	2502626	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK,OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Manohite

Prepared by
(Ms. Manika Mohite)

Deobhankar

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/92-146/2025-26	
		Report Date	07/01/2026	
		Inward No	AL/9-961/05/2025-26	
		Sampling Date	29/12/2025	
Sample Location	Kata Gate	Sampling Time	12:20 PM	
Sample Collected By.	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	48	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	32.51	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	29.66	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	61.40	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	25.70	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.58	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.76	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-04	2502628	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karikhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. -Ambegaon, Dist.- Pune-412 406	Report No	AARL/AA/2026/01/175	
	Report Date	09/02/2026	
	Inward No	AARL/AA/2026/01/175	
	Sampling Date	31/01/2026	
Sample Location	East - Shri Sopan Jadhav (Near House)	Sampling Time	11:20 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA-454/R-99-005
2.	Relative Humidity	% Rh	51	N.S.	EPA-454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	27.18	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	29.32	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.60	≤ 60	IS:5182(Part-24)RA-2024
7.	Ozone (O ₃)	µg/m ³	16.82	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.58	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-03	2502627	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK/OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Prepared by
(Ms. Monika Mohite)



...End of test report...

Authorized Signatory
(Mr. Chetan Kadam)



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AARL/AA/2026/01/176	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	09/02/2026	
Dattatraynagar, Pargaon,		Inward No	AARL/AA/2026/01/176	
Village-Awasari Bk., Tal. - Ambegaon, Dist.- Pune-412 406		Sampling Date	31/01/2026	
Sample Location	West -Shri Pratik Ware(Near House)	Sampling Time	11:30 AM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	53	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	25.12	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.83	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	48.60	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	19.50	≤ 60	IS:5182(Part-24)RA-2024
7.	Ozone (O ₃)	µg/m ³	16.67	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.28	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AASEPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-07	2502631	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION:-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Paged of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal.- Ambegaon, Dist.- Pune-412 406		Report No. AARL/AA/2026/01/178
		Report Date 09/02/2026
		Inward No. AARL/AA/2026/01/178
		Smpling Date 31/01/2026
Sample Location	South-Shri Datta tagad (Near House)	Sampling Time 12:05 PM
Sample Collected By	AARL	Time duration 08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA-454/R-99-005
2.	Relative Humidity	% rh	54	N.S.	EPA-454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	21.81	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	23.17	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	45.30	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	19.10	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.42	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.06	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-04	2502628	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRITATION.

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist. - Pune-412 406		Report No	AARL/AA/2026/01/177
		Report Date	09/02/2026
		Inward No	AARL/AA/2026/01/177
		Sampling Date	31/01/2026
Sample Location	North-Shri Gulab Dhobale (Near House)	Sampling Time	11:50 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA-454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA-454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.69	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.76	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	50.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.70	≤ 60	IS:5182(Part-24)RA-2024
7.	Ozone (O ₃)	µg/m ³	16.55	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.19	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-01	2502625	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK/OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S.-Not Specified

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Chetan Kadam)

End of test report.



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406	Report No Report Date Inward No Sampling Date	AARL/AA/2026/01/179 09/02/2026 AARL/AA/2026/01/179 31/01/2026
Sample Location Sample Collected By	Near Main Gate (Company Premises) AARL	Sampling Time Time duration
		10:50 AM 08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA-454/R-99-005
2.	Relative Humidity	% rh	48	N.S.	EPA-454/R-99-005
3.	Sulphur Dioxide (SO_2)	$\mu g/m^3$	31.42	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO_x)	$\mu g/m^3$	28.61	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter- PM_{10} (less than 10 micron)	$\mu g/m^3$	54.30	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter- $PM_{2.5}$ (less than 2.5 micron)	$\mu g/m^3$	22.10	≤ 60	IS:5182(Part-24)RA-2024
7.	Ozone (O_3)	$\mu g/m^3$	16.91	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	$\mu g/m^3$	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m^3	01.56	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH_3)	$\mu g/m^3$	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling 3 rd Edition
11.	Benzene (C_6H_6)	$\mu g/m^3$	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m^3	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m^3	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m^3	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-09	2502633	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK/OPINION & INTERPRITATION:-

- All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- BDL-Below Detectable Limit.
- N.S.-Not Specified


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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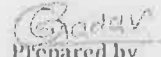
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- ISO 9001:2015 Certified Organization
- ISO 45001:2018 Certified Organization

NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-391/2025-26
		Report Date	08/12/2025
		Inward No	11-213
		Inward Date	29/11/2025
Sample Testing Location	Laboratory	Analysis Start date	01/12/2025
Sample Detail	well Water - Mr. Rajesh Dhobale (East side)	Analysis End date	06/12/2025
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour		Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.67	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOS/cm	1412	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C		7.60	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	832	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	132.2	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	334.2	≤200	IS3025(Part-23) RA 2009
9.	Total Hardness as CaCO ₃	mg/l	565	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	111.3	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	62.00	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	115.5	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	3.65	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E-Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable


Prepared by
(Ms. Gouri Yadav)



...End of test report...


Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-392/2025-26
		Report Date	08/12/2025
		Inward No	11-214
		Inward Date	29/11/2025
Sample Testing Location	Laboratory	Analysis Start date	01/12/2025
Sample Detail	Well Water - Mr. Mauli Awsare (West Side)		
Sample Collected By	Party		
Sample Volume	2250 ml		
		Analysis End date	06/12/2025
		Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.45	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	813	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.02	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	572	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	92.30	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	282.6	≤200	IS3025(Part-23) RA 2009
9.	Total Hardness as CaCO ₃	mg/l	332	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	72.32	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	32.63	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	93.20	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	39.26	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation ~ Not applicable

Prepared by
(Ms. Gouri Yadav)



End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT		Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.		Report No	AL/TR/95-393/2025-26
		Report Date	08/12/2025
		Inward No	11-215
		Inward Date	29/11/2025
Sample Testing Location	Laboratory		
Sample Detail	well Water – Mr. Yogesh Pingale (South Side)	Analysis Start date	01/12/2025
Sample Collected By	Party	Analysis End date	06/12/2025
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.36	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOS/cm	994.1	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	--	7.35	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	825	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	82.36	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	298.2	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	358	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	110.3	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	56.65	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	224.2	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	8.12	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Gyadav
Prepared by
(Ms. Gouri Yadav)



Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AI/TR/95-394/2025-26
		Report Date	08/12/2025
		Inward No	11-216
Sample Testing Location	Laboratory	Inward Date	29/11/2025
Sample Detail	Borewell Water-Mr.Manohar Dhobale (North Side)	Analysis Start date	01/12/2025
Sample Collected By	Party	Analysis End date	06/12/2025
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	---	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.46	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOS/cm	1290	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.59	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	586	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	99.36	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	332.2	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	248	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	51.20	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	41.25	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	85.25	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	9.88	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable

Gyadar
Prepared by
(Ms. Gouri Yadav)



...End of test report...

Anil
Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT

NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-395/2025-26
		Report Date	08/12/2025
		Inward No	11-217
		Inward Date	29/11/2025
Sample Testing Location	Laboratory	Analysis Start date	01/12/2025
Sample Detail	Spent Wash Lagoon	Analysis End date	06/12/2025
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.89	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	868.2	N.S	IS:3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.32	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	812	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	125.3	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	146	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	125	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	32.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	15.6	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	17.5	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	4.32	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable

Prepared by
(Ms. Gouri Yadav)



...End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-608/2025-26	
		Report Date	06/01/2026	
		Inward No	12-205	
		Inward Date	29/12/2025	
Sample Testing Location	Laboratory		Analysis Start date	30/12/2025
Sample Detail	Well Water - Shri Balasaheb Dhobale House (South East)		Analysis End date	05/01/2026
Sample Collected By	Party		Sample Condition	Fit For Analysis
Sample Volume	2250 ml			

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.28	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOS/cm	1086	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	6.68	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	1091	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	63.6	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	326.0	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	494.0	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	98.98	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	60.13	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	80.12	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	72.23	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable

Prepared by
(Ms. Gouri Yadav)

...End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT				Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No		AL/TR/95-609/2025-26	
		Report Date		06/01/2026	
		Inward No		12-206	
Sample Testing Location	Laboratory	Inward Date		29/12/2025	
Sample Detail	Well Water - Shri Santosh Shinde (North Side)	Analysis Start date		30/12/2025	
Sample Collected By	Party	Analysis End date		05/01/2026	
Sample Volume	2250 ml	Sample Condition		Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012.	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.24	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	1110.6	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	6.86	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	1110	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	73.4	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	331.2	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	525.0	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	125.2	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	51.54	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	112.3	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	86.68	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
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- ❖ All the test conducted at permanent location not at out source
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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Ms. Gouri Yadav)

...End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-610/2025-26
		Report Date	06/01/2026
		Inward No	12-207
		Inward Date	29/12/2025
Sample Testing Location	Laboratory	Analysis Start date	30/12/2025
Sample Detail	Well Water - Shri. Yogesh Dhobale House (North East)	Analysis End date	05/01/2026
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.31	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	1106.4	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	6.72	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	916	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	293.5	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	320.8	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	656.5	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	68.68	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	117.8	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	48.50	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	39.52	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable

Prepared by
(Ms. Gouri Yadav)

...End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT				Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No		AL/TR/95-611/2025-26	
		Report Date		06/01/2026	
Sample Testing Location		Inward No		12-208	
		Inward Date		29/12/2025	
Sample Detail	Borewell Water - Near Hotel Arati (South West)	Analysis Start date		30/12/2025	
Sample Collected By	Party	Analysis End date		05/01/2026	
Sample Volume	2250 ml	Sample Condition		Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.55	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOS/cm	1344	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	6.52	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	1110	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	629.4	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	279.4	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	484.8	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	141.4	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	3191	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	78.21	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	48.0	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable

Prepared by
(Ms. Gouri Yadav)

...End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-612/2025-26
		Report Date	06/01/2026
		Inward No	12-209
		Inward Date	29/12/2025
Sample Testing Location	Laboratory	Analysis Start date	30/12/2025
Sample Detail	Borewell water - Near Tanishka Mangal Karayalaya (North West)	Analysis End date	05/01/2026
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.41	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	1292.4	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	6.80	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	1352	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	1027.3	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	269.1	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	464.6	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	149.4	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	22.09	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	36.21	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	22.89	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E-Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Ms. Gouri Yadav)

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS:		Report No.	AL/TR/95-847/2025-26	
M/s. Bhima Shankar Sahakari Sakhar Karkharia Ltd.		Report Date	09/02/2026	
Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Inward No	01-203	
Sample Testing Location	Laboratory	Inward Date	31/01/2026	
Sample Detail	Well Water - Shri Sopan Jadhav(East)	Analysis Start date	02/02/2026	
Sample Collected By	Party	Analysis End date	07/02/2026	
Sample Volume	2250 ml	Sample Condition	Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)2021
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)2018
3.	Turbidity@ 25°C	NTU	0.16	≤1.00	IS3025(Part-10)2023
4.	Conductivity	µs/cm	850.7	N.S	IS 3025 (Part 14):2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.75	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	795	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	85.45	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	328.2	≤200	IS3025(Part-23)2009(RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	385	≤200	IS3025(Part-21) 2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	69.5	≤75.0	IS3025(Part-40) 2009(RA 2024)EDTA Method
11.	Magnesium as Mg	mg/l	45.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	72.74	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	75.65	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK:-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Ms. Gouri Yadav)



...End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tsl.-Ambegaon, Dist - Pune-412406.		Report No	AL/TR/95-848/2025-26
		Report Date	09/02/2026
		Inward No	01-204
		Inward Date	31/01/2026
Sample Testing Location	Laboratory		
Sample Detail	Borewell Water - Shri Jabbar Pathan(west)	Analysis Start date	02/02/2026
Sample Collected By	Party	Analysis End date	07/02/2026
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)2021
2.	Odour	---	Unobjectionable	Unobjectionable	IS3025(Part-5)2018
3.	Turbidity@ 25°C	NTU	0.02	≤1.00	IS3025(Part-10)2023
4.	Conductivity	µs/cm	1365.10	N.S	IS 3025 (Part 14):2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.25	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	1025	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	223.20	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	245.8	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	559	≤200	IS3025(Part-21) 2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	138.0	≤75.0	IS3025(Part-40) 2009(RA 2024) EDTA Method
11.	Magnesium as Mg	mg/l	62.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	125.02	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	92.04	≤45.0	APHA 24 th Edition 2023 4500 B-NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff 2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff 2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff 2014

REMARK-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Gadav
Prepared by
(Ms.Gouri Yadav)

...End of test report...

Amil
Authorized Signatory
(Mr.Anil Dogbhanekar)

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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakar Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-850/2025-26
		Report Date	09/02/2026
		Inward No	01-206
		Inward Date	31/01/2026
Sample Testing Location	Laboratory	Analysis Start date	02/02/2026
Sample Detail	Borewell Water - Shri Ashok Kapadi(South)	Analysis End date	07/02/2026
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250-ml		

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)2021
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)2018
3.	Turbidity@ 25°C	NTU	0.05	≤1.00	IS3025(Part-10)2023
4.	Conductivity	µs/cm	965.50	N.S	IS 3025 (Part 14):2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	--	7.60	6.5 to 8.5	IS 3025 (Part-11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	865	≤500	IS 3025 (Part-16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	120.3	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	365	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	348	≤200	IS3025(Part-21) 2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	89.0	≤75.0	IS3025(Part-40) 2009(RA 2024) EDTA Method
11.	Magnesium as Mg	mg/l	39.50	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	70.42	≤200	APHA-24 th Edition 2023 4500-E- SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	48.0	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E. Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

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- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable

Prepared by
(Ms.Gouri Yadav)

Authorized Signatory
(Mr.Anil Deshmukhar)

...End of test report...

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Bibvewadi, Pune 411037. | Phone : 020-24240030,08530074787 | Email : akankshalab2007@gmail.com



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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS:		Report No	AL/TR/95-849/2025-26	
M/s. Bhima Shankar Sahakari Sakhar Karikhana Ltd.		Report Date	09/02/2026	
Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Inward No	01-205	
Sample Testing Location		Inward Date	31/01/2026	
Sample Detail		Analysis Start date	02/02/2026	
Sample Collected By		Analysis End date	07/02/2026	
Sample Volume		Sample Condition	Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)2021
2.	Odour	---	Unobjectionable	Unobjectionable	IS3025(Part-5)2018
3.	Turbidity @ 25°C	NTU	0.08	≤100	IS3025(Part-10)2023
4.	Conductivity	µs/cm	865.31	N.S.	IS3025 (Part-14):2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.64	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	768	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	95.50	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	320.6	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	328	≤200	IS3025(Part-21) 2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	66.0	≤75.0	IS3025(Part-40) 2009(RA 2024)EDTA Method
11.	Magnesium as Mg	mg/l	43.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	42.31	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	48.95	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E-Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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Prepared by
(Ms. Gouri Yadav)



Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...

Office and Laboratory : S. No. 613, Plot No. 5, Gangadham Phase-I, Opp. Ganga Landmark Row Houses, Bibvewadi, Pune 411037. | Phone : 020-24240030, 08530074787 | Email : akankshalab2007@gmail.com



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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS:		Report No	AL/TR/95-851/2025-26
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	09/02/2026
Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist - Pune-412406.		Inward No	01-207
Sample Testing Location	Laboratory	Inward Date	31/01/2026
Sample Detail	Ghod & Meena River(Sangam)	Analysis Start date	02/02/2026
Sample Collected By	Party	Analysis End date	07/02/2026
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)2021
2.	Odour	---	Unobjectionable	Unobjectionable	IS3025(Part-5)2018
3.	Turbidity @ 25°C	NTU	1.58	≤1.00	IS3025(Part-10)2023
4.	Conductivity	µs/cm	497.21	N.S	IS 3025 (Part 14):2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.75	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	489	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	70.36	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	265.3	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	258	≤200	IS3025(Part-21) 2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	38.0	≤75.0	IS3025(Part-40) 2009(RA 2024)EDTA Method
11.	Magnesium as Mg	mg/l	32.10	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	23.86	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	14.25	≤45.0	APHA 24 th Edition 2023 4500 B-NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E. Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- ❖ The above analysis water sample is not within the prescribed limits.
- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
- ❖ All the test conducted at permanent location not at out source
- ❖ The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- ❖ BDL-Below Detectable Limit,
- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable

Prepared by
(Ms.Gouri Yadav)

...End of test report...

Authorized Signatory
(Mr Anil Deobhankar)



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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.				Report No AL/TR/95-386/2025-26
				Report Date 08/12/2025
				Inward No 11-208
				Inward Date 29/11/2025
Sample Testing Location	Laboratory			Analysis Start date 01/12/2025
Sample Detail	FTP Final Outlet			Analysis End date 06/12/2025
Sample Collected By	Party			Sample Condition Fit For Analysis
Sample Volume	5000 ml			

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C		7.76	5.5-9.0	IS 3025 (Part 11) 2012 RA 2022 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	22.0	≤100	IS 3025 (Part 44) 2014 RA 2023 Azide Modification Method.
3.	Chemical Oxygen Demand	mg/l	169	≤250	IS 3025 (Part 58) 2012 RA 2023 Open Reflux Method
4.	Total Suspended Solids	mg/l	41.0	≤100	IS 3025 (Part 17) 2012 RA 2022 Gravimetric method
5.	Oil & Grease	mg/l	3.2	≤10.0	APHA-24 th Edition 2023 -5520 B
6.	Total Dissolved Solids	mg/l	1352	≤2100	IS 3025 (Part 16) 2012 RA 2023 Gravimetric method
7.	Chlorides as Cl	mg/l	320.54	≤600	IS 3025 (Part 32) 2009 RA 2019 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	22.04	≤1000	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻

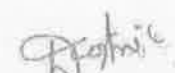
REMARK-

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- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable


Prepared by
(Ms. Gouri Yadav)



...End of test report...


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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-605/2025-26
		Report Date	06/01/2026
		Inward No	12-202
		Inward Date	29/12/2025
Sample Testing Location	Laboratory	Analysis Start date	30/12/2025
Sample Detail	ETP Outlet	Analysis End date	05/01/2026
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	5000 ml		

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C		6.62	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	25.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	179	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/l	50.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/l	3.4	≤10.0	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/l	1480	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/l	362.0	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	20.23	≤1000	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

REMARK-

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- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Gadav
Prepared by
(Ms. Gouri Yadav)



Anil Deobhankar
Authorized Signatory
(Mr. Anil Deobhankar)

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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.		Report No		AL/TR/95-845/2025-26
		Report Date		09/02/2026
		Inward No		01-201
		Inward Date		31/01/2026
Sample Testing Location	Laboratory	Analysis Start date		02/02/2026
Sample Detail	Final Outlet	Analysis End date		07/02/2026
Sample Collected By	Party	Sample Condition		Fit For Analysis
Sample Volume	5000 ml			

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C		7.50	5.5-9.0	IS 3025 (Part 11) 2012 RA 2022 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	30.0	≤100	IS 3025 (Part 44)2014 RA 2023 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	148	≤250	IS 3025 (Part 58)2012 RA 2023 Open Reflux Method
4.	Total Suspended Solids	mg/l	96.0	≤100	IS 3025 (Part 17) 2012 RA 2022 Gravimetric method
5.	Oil & Grease	mg/l	3.4	≤10.0	APHA-24 th Edition 2023 -5520 B
6.	Total Dissolved Solids	mg/l	1875	≤2100	IS 3025 (Part 16) 2012 RA 2023 Gravimetric method
7.	Chlorides as Cl	mg/l	415.2	≤600	IS 3025 (Part 32) 2009 RA 2025 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	25.45	≤1000	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻

REMARK-

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(Ms. Gouri Yadav)




Authorized Signatory
(Mr. Anil Deobhankar)

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TEST REPORT		Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.		Report No AL/TR/95-389/2025-26
		Report Date 08/12/2025
		Inward No 11-211
		Inward Date 29/11/2025
Sample Testing Location	Laboratory	Analysis Start date 01/12/2025
Sample Detail	CPU Final Outlet	Analysis End date 06/12/2025
Sample Collected By	Party	Sample Condition Fit For Analysis
Sample Volume	5000 ml	

Sr. No.	Parameter	Unit	Result	Method
1.	pH@25° C	-----	6.92	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	32.0	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	109	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/l	87.0	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/l	1.9	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/l	156	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/l	63.14	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	28.21	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

REMARK-

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- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable


Prepared by
(Ms. Gouri Yadav)



...End of test report...


Authorized Signatory
(Mr. Anil Deobhankar)



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ANALYSIS REPORT FOR FUGITIVE EMISSION AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon,Dist. – Pune-412 406		Report No	AL/TR/92-147/2025-26
		Report Date	07/01/2026
		Sampling Date	AL/9-961/06/2025-26
		Sampling Date	29/12/2025
Sample Location	Near Bagasse Yard {Fugitive Sample}	Sampling Time	12:35 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	METHOD
1.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	68.10	IS:5182(Part-23)RA 2022
2.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	27.50	IS:5182(Part-24):RA-2024

Details of equipment used and its Calibration Certificate			
Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-09	2502633	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026

REMARK, OPINION & INTERPRITATION-

❖ BDL-Below Detectable Limit.



Prepared by
(Ms. Monika Mohite)

...End of test report...



Authorized Signatory
(Mr. Anil Deobhankar)



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ANALYSIS REPORT FOR FUGITIVE EMISSION AIR QUALITY MONITORING		Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakar Sakhar Karkhane Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist. - Pune-412 406	Report No	AARL/WP/2026/01/150
	Report Date	09/02/2026
	Sampling Date	AARL/WP/2026/01/150
	Sampling Date	31/01/2026
Sample Location	Near Bagasse Yard (Fugitive Sample)	Sampling Time 10:50 AM
Sample Collected By	AARL	Time duration 08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	METHOD
1.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	73.10	IS:5182(Part-23)RA 2022
2.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	29.40	IS:5182(Part-24):RA-2024

Details of equipment used and its Calibration Certificate			
Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-02	2502626	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0088A/06/25	23/06/2026

REMARK, OPINION & INTERPRITATION-
❖ BDL-Below Detectable Limit.


Prepared by
(Ms. Monika Mohite)




Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/91-427/2025-26	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	06/12/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-916/06/2025-26	
Village-Awasari Bk, Tal. - Ambegaon, Dist - Pune-412 406		Sampling Date	29/11/2025	
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	02:00 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	---	RCC	N.S.	---
2.	Type of fuel	---	Bagasse	N.S.	---
3.	Stack Height from G.L.	m	60.00	N.S.	---
4.	Type of Stack	---	Round	N.S.	---
5.	Dimensions of Stack	m	04.00	N.S.	---
6.	Stack area	m ²	12.56	N.S.	---
B. Parameters					
7.	Flue Gas Temperature	°C	160.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.84	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.69	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	270499.43	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	81.60	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	176.13	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	185.46	N.S.	IS 11255 (PART 7) RA 2022
14.	Carbon Monoxide	ppm	2055.19	N.S.	IS:13270(Part-3):2008

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Flue Gas Analyzer	AK-VAYU-01	VAYU-096	09/06/2026
Stack Monitoring Kit Manual	AL-DWB-01	GCT/0088A/06/25	23/06/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified



Prepared by
(Ms. Monika Mohite)



...End of test report...



Authorized Signatory
(Mr. Anil Deobhankar)



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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/91-428/2025-26	
		Report Date	06/12/2025	
		Inward No	AL/9-916/07/2025-26	
		Sampling Date	29/11/2025	
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	02:35 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	° C	167.0.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.34	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.29	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	199018.15	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	98.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1068.94	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	237.55	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2269.81	N.S.	IS:13270(Part-3):2008

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Flue Gas Analyzer	AK-VAYU-01	VAYU-096	09/06/2026
Stack Monitoring Kit Manual	AL-DWB-01	GCT/0088A/06/25	23/06/2026

REMARK, OPINION & INTERPRITATION-

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- ❖ N.S. - Not Specified

Monika Mohite

Prepared by
(Ms. Monika Mohite)



...End of test report...

Anil Deobhankar

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/92-148/2025-26	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	07/01/2026	
Dattatraynagar, Pargaon,		Inward No	AL/9-961/07/2025-26	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	29/12/2025	
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	01:00 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	---	RCC	N.S.	---
2.	Type of fuel	---	Bagasse	N.S.	---
3.	Stack Height from G.L.	m	60.00	N.S.	---
4.	Type of Stack	---	Round	N.S.	---
5.	Dimensions of Stack	m	04.00	N.S.	---
6.	Stack area	m ²	12.56	N.S.	---
B. Parameters					
7.	Flue Gas Temperature	°C	151.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.76	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.53	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	271086.67	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	79.10	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	211.50	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	172.31	N.S.	IS 11255 (PART 7) RA 2022
14.	Carbon Monoxide	ppm	1855.26	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-02	VAYU-097	12/08/2026	
Stack Monitoring Kit Manual		AK-SMK-01	2502623	28/07/2026	

REMARK, OPINION & INTERPRITATION-

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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Monika Mohite

Prepared by
(Ms. Monika Mohite)



Anil Deobhankar

Authorized Signatory
(Mr. Anil Deobhankar)

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/92-149/2025-26	
		Report Date	07/01/2026	
		Inward No	AL/9-961/08/2025-26	
		Sampling Date	29/12/2025	
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	01:35 PM	
Sample Collected By	AARL	Time duration	30 Min	

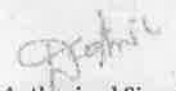
SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	° C	159.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.28	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.16	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	199459.24	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	95.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1042.13	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	229.89	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2143.72	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-02	VAYU-097	12/08/2026	
Stack Monitoring Kit Manual		AK-SMK-01	2502623	28/07/2026	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified


Prepared by
(Ms. Monika Mohite)




Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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- ISO 45001: 2018 Certified Organization

SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AARL/ST/2026/01/121	
M/s. Bhima Shankar Saha Kari Sakhar Karkhana Ltd.		Report Date	09/02/2026	
Dattatraynagar, Pargaon,		Inward No	AARL/ST/2026/01/121	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	31/01/2026	
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	01:10 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	158.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	0464	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.49	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	265465.43	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	83.10	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	227.71	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	181.43	N.S.	IS 11255 (PART 7) RA 2022
14.	Carbon Monoxide	ppm	1952.14	N.S.	IS 13270 (Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-01	VAYU-096	09/06/2026	
Stack Monitoring Kit Manual		AK-SMK-02	2502624	28/07/2026	

REMARK/OPINION & INTERPRETATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified


Prepared by
(Ms. Monika Mohite)




Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AARL/ST/2026/01/122	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	09/02/2026	
Dattatraynagar, Pargaon,		Inward No	AARL/ST/2026/01/122	
Village-Awasari Bk, Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	31/01/2026	
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	01:45 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	164.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.35	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.27	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	199930.05	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	98.30	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1165.46	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	238.11	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2054.83	N.S.	IS:13270(Part-3):2008

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Flue Gas Analyzer	AK-VAYU-01	VAYU-096	09/06/2026
Stack Monitoring Kit Manual	AK-SMK-02	2502624	28/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Monika Mohite

Prepared by
(Ms. Monika Mohite)



...End of test report...

Chetan Kadam

Authorized Signatory
(Mr. Chetan Kadam)



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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT		Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No AARL/N/2026/01/95
		Report Date 09/02/2026
		Inward No AARL/N/2026/01/95
		Sampling Date 31/01/2026
Sample Location	Company Premises	Sampling Time 11:00 AM To 11:30 AM
Sample Collected By	AARL	Time duration 30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Karkhana					
1.	Guest House	dB(A)	72.7	≤ 75 dB(A)	IS 9989-1981 (RA 2020)
2.	F Type Colony	dB(A)	70.1		
3.	Near Primary School (DG Walse Patil)	dB(A)	73.9		
B. Inside of Karkhana					
4.	Near Centrifugal	dB(A)	74.9	≤ 90 dB(A)	IS 4758:(1968)-RA 2017
5.	Near 13MW Turbine	dB(A)	75.5		
6.	Near Sugar House	dB(A)	78.3		
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.		Validity
Sound Level Meter		AK-SLM-05	2502620		28/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent The Factories Rule 1963, standards.

Monika Mohite

Prepared by
(Ms. Monika Mohite)



...End of test report...

Chetan Kadam

Authorized Signatory
(Mr. Chetan Kadam)



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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist - Pune-412 406		Report No	AL/TR/92-151/2025-26	
		Report Date	07/01/2026	
		Inward No	AL/9-961/10/2025-26	
		Sampling Date	29/12/2025	
Sample Location	Company Premises	Sampling Time	02:30 PM To 03:00 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Karkhana					
1.	Near Guest House	dB(A)	66.9	≤ 75 dB(A)	IS 9989-1981 (RA 2020)
2.	Near Switch Yard	dB(A)	69.1		
3.	Near Canteen	dB(A)	66.2		
B. Inside of Karkhana					
4.	Near Workshop	dB(A)	69.1	≤ 90 dB(A)	IS 4758:(1968)-RA 2017
5.	Near Boiler	dB(A)	74.8		
6.	Near Suger House	dB(A)	84.9		
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.		Validity
Sound Level Meter		AK-SLM-07	2502622		28/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent The Factories Rule 1963, standards.


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No		AL/TR/91-430/2025-26
		Report Date		06/12/2025
		Inward No		AL/9-916/09/2025-26
		Sampling Date		29/11/2025
Sample Location		Company Premises		Sampling Time
Sample Collected By		AARL		Time duration
				01:20 PM To 01:50 PM
				30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Karkhana					
1.	Near Senior College	dB(A)	63.2	≤ 75 dB(A)	IS 9989-1981 (RA 2020)
2.	Near Petrol Pump	dB(A)	69.1		
3.	Near Hotel Arati	dB(A)	67.5		
B. Inside of Karkhana					
4.	Near Mill House	dB(A)	80.1	≤ 90 dB(A)	IS 4758:(1968)-RA 2017
5.	Near Sugar House	dB(A)	84.3		
6.	Near Boiling House	dB(A)	81.3		

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Sound Level Meter	AK-SLM-05	2502620	28/07/2026

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent The Factories Rule 1963, standards.

Monika Mohite

Prepared by
(Ms. Monika Mohite)



...End of test report...

Anil Deobhankar

Authorized Signatory
(Mr. Anil Deobhankar)

