



AKANKSHA ANALYTICAL & RESEARCH LAB

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

TEST REPORT

NAME OF COMPANY & ADDRESS:

M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.
Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-
412406.

Sample Testing Location	Laboratory	Report No	Page 1 of 1
Sample Detail	ETP Outlet	Report Date	AL/TR/91-680/2024-25
Sample Collected By	Party	Inward No	06/01/2025
Sample Volume	3000 ml	Inward Date	12-278
		Analysis Start date	30/12/2024
		Analysis End date	31/12/2024
		Sample Condition	04/01/2025
			Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C	-----	7.26	5.5-9.0	IS 3025 (Part 11) 2012 RA 2022 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	21.0	≤100	IS 3025 (Part 44) 2014 RA 2023 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	125	≤250	IS 3025 (Part 58) 2012 RA 2023 Open Reflux Method
4.	Total Suspended Solids	mg/l	45.0	≤100	IS 3025 (Part 17) 2012 RA 2022 Gravimetric method
5.	Oil & Grease	mg/l	4.6	≤10.0	APHA-24 th Edition 2023 -5520 B
6.	Total Dissolved Solids	mg/l	1856	≤2100	IS 3025 (Part 16) 2012 RA 2023 Gravimetric method
7.	Chlorides as Cl	mg/l	259.28	≤600	IS 3025 (Part 32) 2009 RA 2019 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	47.20	≤1000	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻

REMARK-

- ❖ The above analysis water sample is 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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)

Authorized Signatory
(Mr.Vipul Waglmare)

...End of test report...



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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	Page 1 of 1
		Report Date	AL/TR/91-683/2024-25
		Inward No	06/01/2025
		Inward Date	12-281
Sample Testing Location	Laboratory	Analysis Start date	30/12/2024
Sample Detail	CPU Outlet		
Sample Collected By	Party	Analysis End date	31/12/2024
Sample Volume	3000 ml	Sample Condition	04/01/2025
			Fit For Analysis

Sr. No.	Parameter	Unit	Result	Method
1.	pH@25° C		7.00	IS 3025 (Part 11) 2012 RA 2022 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	32.0	IS 3025 (Part 44) 2014 RA 2023 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	153	IS 3025 (Part 58) 2012 RA 2023 Open Reflux Method
4.	Total Suspended Solids	mg/l	22.0	IS 3025 (Part 17) 2012 RA 2022 Gravimetric method
5.	Oil & Grease	mg/l	1.3	APHA-24 th Edition 2023 -5520 B
6.	Total Dissolved Solids	mg/l	179	IS 3025 (Part 16) 2012 RA 2023 Gravimetric method
7.	Chlorides as Cl	mg/l	39.14	IS 3025 (Part 32) 2009 RA 2019 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	27.70	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻

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

Prepared by
(Mrs.Vrushali kadam-Jondhe)

Reviewed by
(Ms.Sonali Mohite)

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(Mr.Vipul Waghmare)

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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.

Sample Testing Location

Laboratory

Sample Detail

ETP Outlet

Sample Collected By

Party

Sample Volume

3000 ml

Report No

Page 1 of 1

Report Date

AL/TR/91-916/2024-25

Inward No

27/01/2025

Inward Date

01-219

Analysis Start date

20/01/2025

Analysis End date

21/01/2025

Sample Condition

Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C	-----	7.45	5.5-9.0	IS 3025 (Part 11) 2012 RA 2022 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	28.0	≤100	IS 3025 (Part 44) 2014 RA 2023 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	143	≤250	IS 3025 (Part 58) 2012 RA 2023 Open Reflux Method
4.	Total Suspended Solids	mg/l	91.0	≤100	IS 3025 (Part 17) 2012 RA 2022 Gravimetric method
5.	Oil & Grease	mg/l	3.1	≤10.0	APHA-24 th Edition 2023 -5520 B
6.	Total Dissolved Solids	mg/l	1913	≤2100	IS 3025 (Part 16) 2012 RA 2023 Gravimetric method
7.	Chlorides as Cl	mg/l	443.48	≤600	IS 3025 (Part 32) 2009 RA 2019 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	23.19	≤1000	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻

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(Mr.Vipul Waghmare)

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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/92-212/2024-25
		Report Date		20/02/2025
		Inward No		02-171
		Inward Date		15/02/2025
Sample Testing Location	Laboratory	Analysis Start date		15/02/2025
Sample Detail	ETP Outlet	Analysis End date		19/02/2025
Sample Collected By	Party	Sample Condition		Fit For Analysis
Sample Volume	3000 ml			

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C	----	7.95	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	24.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	105	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/l	43.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/l	5.1	≤10.0	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/l	2040	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/l	489.21	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	23.19	≤1000	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS:		Report No	AL/TR/92-214/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	20/02/2025	
Dattatraynagar, Pargaon Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412406.		Inward No	02-173	
Sample Testing Location	Laboratory	Inward Date	14/02/2025	
Sample Detail	CPU Outlet	Analysis Start date	15/02/2025	
Sample Collected By	Party	Analysis End date	19/02/2025	
Sample Volume	3000 ml	Sample Condition	Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Method
1.	pH@25° C		6.79	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	36.0	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	105	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/l	93.0	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/l	2.2	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/l	148	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/l	53.81	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	23.19	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

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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/92-500/2024-25
				Report Date	27/03/2025
				Inward No	03-162
				Inward Date	20/03/2025
Sample Testing Location	Laboratory	Analysis Start date		22/03/2025	
Sample Detail	ETP Outlet				
Sample Collected By	Party	Analysis End date		25/03/2025	
Sample Volume	3000 ml	Sample Condition		Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25° C		7.70	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	BOD @27° C For 3 Days	mg/l	27.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
3.	Chemical Oxygen Demand	mg/l	145	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
4.	Total Suspended Solids	mg/l	47.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
5.	Oil & Grease	mg/l	3.8	≤10.0	APHA 23 rd Edition 2017 5520 B
6.	Total Dissolved Solids	mg/l	1326	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/l	330.15	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
8.	Sulphate as SO ₄ ²⁻	mg/l	15.91	≤1000	APHA-23 rd Edition 2017 4500-E-SO ₄ ²⁻

REMARK-

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-075/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	07/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-312/07/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	30/12/2024	
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	02:10 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	148.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.96	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.67	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	277707.37	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	86.50	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	163.74	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	162.41	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2245.01	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	09/06/2025	
Stack Monitoring Kit Manual		AK-SMK-01	2464567	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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

Mamohite

Verified by
(Analyst)

Signature

Authorized Signatory

...End of test report...



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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/85-076/2024-25
		Report Date	07/01/2025
		Inward No	AL/9-312/08/2024-25
		Sampling Date	30/12/2024
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	02:45 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	157.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.12	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	07.99	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	196150.10	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	101.20	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1298.23	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	209.74	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2496.29	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		09/06/2025
Stack Monitoring Kit Manual		AK-SMK-01	2464567		29/07/2025

REMARK, OPINION & INTERPRITATION-

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

Mamohite

Verified by
(Analyst)

Cipul

Authorized Signatory

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karlkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-077/2024-25	
		Report Date	07/01/2025	
		Inward No	AL/9-312/09/2024-25	
		Sampling Date	30/12/2024	
Sample Location	Incineration Boiler (Distillery)-22 T/hr-No:1	Sampling Time	03:20 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	01.52	N.S.	--
6.	Stack area	m ²	01.81	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	° C	234.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.06	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.61	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	33060.83	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	38.90	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	56.98	N.S.	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	46.12	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	86.71	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	09/06/2025	
Stack Monitoring Kit Manual		AK-SMK-01	2464567	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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

Mamohite

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-518/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	27/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-362/06/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	20/01/2025	
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	154.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	05.03	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.81	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	276764.79	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	82.90	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	189.11	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	152.21	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2195.04	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-03	VAYU-098	29/05/2025
Stack Monitoring Kit Manual	AK-SMK-02	2464568	29/07/2025

REMARK, OPINION & INTERPRITATION-

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

M. Amohile

Verified by
(Analyst)

...End of test report...

[Signature]

Authorized Signatory



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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/85-519/2024-25
		Report Date 27/01/2025
		Inward No AL/9-362/07/2024-25
		Sampling Date 20/01/2025
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time 03:00 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	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	163.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.21	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.13	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	196911.90	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	105.60	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1356.31	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	246.76	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2575.42	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-03	VAYU-098	29/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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

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Verified by
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...End of test report...



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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/85-520/2024-25
		Report Date 27/01/2025
		Inward No AL/9-362/08/2024-25
		Sampling Date 20/01/2025
Sample Location	Incineration Boiler (Distillery)-22 T/hr-No-1	Sampling Time 02:30 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	01.52	N.S.	--
6.	Stack area	m ²	01.81	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	° C	225.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.02	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.	33193.50	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	48.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	68.33	N.S.	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	63.21	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	98.62	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-03	VAYU-098		29/05/2025
Stack Monitoring Kit Manual		AK-SMK-02	2464568		29/07/2025

REMARK, OPINION & INTERPRITATION-

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- ❖ N.S. - Not Specified

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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/85-954/2024-25
		Report Date	22/02/2025
		Inward No	AL/9-405/07/2024-25
		Sampling Date	14/02/2025
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	03:30 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	148.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.95	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.66	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	277427.28	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	86.10	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	195.21	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	167.37	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2289.03	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	06/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-955/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	22/02/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-405/08/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	14/02/2025	
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	04:00 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	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	166.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.32	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.26	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	198785.07	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	108.40	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1247.52	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	279.62	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2610.17	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	06/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-956/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karlkhana Ltd.		Report Date	22/02/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-405/09/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	14/02/2025	
Sample Location	Incineration Boiler (Distillery)-22 T/hr-No-1	Sampling Time	03:00 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	01.52	N.S.	--
6.	Stack area	m ²	01.81	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	231.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.19	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.72	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr	33685.77	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	45.30	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	70.35	N.S.	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	64.41	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	96.64	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	06/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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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/86-590/2024-25
		Report Date	28/03/2025
		Inward No	AL/9-457/07/2024-25
		Sampling Date	20/03/2025
Sample Location	Old Boiler (45 T/hr)-2 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	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	152.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	05.01	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.76	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	277787.06	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	84.50	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	182.24	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	197.67	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2175.45	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-03	VAYU-098	29/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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- ❖ N.S. - Not Specified

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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/86-591/2024-25
		Report Date	28/03/2025
		Inward No	AL/9-457/08/2024-25
		Sampling Date	20/03/2025
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	02:30 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	172.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.40	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.42	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	198813.90	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	105.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1157.11	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	247.21	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2431.54	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-03	VAYU-098	29/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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- ❖ N.S. - Not Specified

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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/86-592/2024-25
		Report Date	28/03/2025
		Inward No	AL/9-457/09/2024-25
		Sampling Date	20/03/2025
Sample Location	Incineration Boiler (Distillery)-22 T/hr-No-1	Sampling Time	03:15 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	01.52	N.S.	--
6.	Stack area	m ²	01.81	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	238.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.24	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.83	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	33653.27	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	44.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	65.10	N.S.	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	62.76	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	91.43	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-03	VAYU-098	29/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

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

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(Analyst)

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पत्र आवक नं. ३१६६
दिनांक - २४/०९/२०२५
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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/85-069/2024-25
Sample Location West - Shri Nivrutti Dhobale House		Report Date 07/01/2025
Sample Collected By AARL		Inward No AL/9-312/01/2024-25
		Samplin Date 30/12/2024
		Sampling Time 12:35 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	56	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.18	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.61	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	52.30	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	23.80	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.72	≤ 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	01.46	≤ 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	2464570	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

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(Analyst)

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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/85-070/2024-25	
		Report Date	07/01/2025	
		Inward No	AL/9-312/02/2024-25	
		Sampling Date	30/12/2024	
Sample Location	North -Near Tanishka Hotel	Sampling Time	12:55 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	53	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	25.32	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	26.09	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	54.70	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	22.90	≤ 60	IS:5182(Part-24)RA-2024
7.	Ozone (O ₃)	µg/m ³	16.65	≤ 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	01.52	≤ 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	2464573	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

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Verified by
(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-071/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	07/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-312/03/2024-25	
Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Sampling Date	30/12/2024	
Sample Location	South- Shri Satish Jadhav House	Sampling Time	01:15 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	23.89	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.68	≤ 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	21.80	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.59	≤ 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	01.64	≤ 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	2464569	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

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(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karidhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/85-072/2024-25
		Report Date	07/01/2025
		Inward No	AL/9-312/04/2024-25
		Smpling Date	30/12/2024
Sample Location	East-Shri Ramesh Gaikwad House	Sampling Time	01:30 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	47	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	24.41	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.83	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	49.60	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.70	≤ 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	01.62	≤ 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	2464575	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

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Verified by
(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:-		Report No	AL/TR/85-952/2024-25
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	22/02/2025
Dattatraynagar, Pargaon,		Inward No	AL/9-405/05/2024-25
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	30/12/2024
Sample Location	Main Gate (Distillery)	Sampling Time	02:50 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	36	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.68	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	26.55	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	56.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.70	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.92	≤ 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	01.84	≤ 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	2464571	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

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Verified by
(Analyst)

Signature
Authorized Signatory

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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/85-073/2024-25
		Report Date 07/01/2025
		Inward No AL/9-312/05/2024-25
		Sampling Date 30/12/2024
Sample Location	Main Gate (Company Premises)	Sampling Time 12:15 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	44	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	26.53	≤ 80	IS:5182(Part 2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	27.85	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	56.70	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	24.10	≤ 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	01.76	≤ 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-03	2464571	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

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Verified by
(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-514/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	27/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-362/02/2024-25	
Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Sampling Date	20/01/2025	
Sample Location	North East -Shri Vitthal Dhobale House	Sampling Time	12:50 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	24.74	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	28.18	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	52.70	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.78	≤ 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	01.42	≤ 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	2464569	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

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Verified by
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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Dhima Shankar Sahakari Sakhar Karlkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-515/2024-25	
		Report Date	27/01/2025	
		Inward No	AL/9-362/03/2024-25	
		Sampling Date	20/01/2025	
Sample Location	South West - Shri Balasaheb Dhobale House	Sampling Time	12:30 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	53	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	27.65	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	29.49	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	55.40	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	22.60	≤ 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	01.61	≤ 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-06	2464574	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

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(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-516/2024-25	
M/s. Dhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	27/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-362/04/2024-25	
Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Smpling Date	20/01/2025	
Sample Location	South East-Shri Ramdas Nahare 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	47	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	26.19	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	28.89	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.30	≤ 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	16.92	≤ 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	01.71	≤ 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

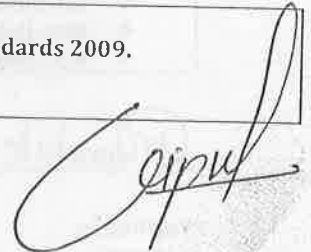
Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-02	2464570	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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


Mamohite

Verified by
(Analyst)


Authorized Signatory

...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/85-517/2024-25
		Report Date	27/01/2025
		Inward No	AL/9-362/05/2024-25
		Sampling Date	20/01/2025
Sample Location	Near Kata Gate (Company Premises)	Sampling Time	01:30 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	29.53	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	36.89	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	68.50	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	28.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.02	≤ 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	01.93	≤ 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	2464573	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamohide

Verified by
(Analyst)

Gipul
Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-513/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	27/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-362/01/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sample Date	20/01/2025	
Sample Location	North West - Shri Mauli Asware House	Sampling Time	01:00 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	52	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	19.16	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	22.33	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	46.90	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.40	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.36	≤ 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	01.12	≤ 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	2464572	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamohide.

Verified by
(Analyst)

Authorized Signatory

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85 940/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	22/02/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-405/01/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sample Date	14/02/2025	
Sample Location	East Side - Shri Hosiram Dhobale House	Sampling Time	01:18 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	36	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	21.68	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	23.45	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	49.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	22.50	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.57	≤ 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	01.24	≤ 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	2464573	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamolite

Verified by
(Analyst)

Cipul

Authorized Signatory

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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 Blk, Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/85-949/2024-25	
		Report Date	22/02/2025	
		Inward No	AL/9-405/02/2024-25	
		Sampling Date	14/02/2025	
Sample Location	West Side -Shri Mayur Dhobale House		Sampling Time	01:42 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	32	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.14	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.07	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.30	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.90	≤ 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	01.57	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method)
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	Method Of Air Sampling, 3 rd Edition
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 11)RA 2022
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:5182 (Part 12)RA 2019
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/013/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	2464570	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamohite

Verified by
(Analyst)

Signature

Authorized Signatory

...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/85-951/2024-25
		Report Date	22/02/2025
		Inward No	AL/9-405/04/2024-25
		Smpling Date	14/02/2025
Sample Location	North Side -Shri Bhausaheb Dhobale House	Sampling Time	02:35 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	34	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	25.84	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	27.39	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.90	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 mlcrón)	µg/m ³	19.60	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.07	≤ 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	01.79	≤ 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	2464575	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamohite

Verified by
(Analyst)



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Cipul

Authorized Signatory



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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/85-950/2024-25
		Report Date	22/02/2025
		Inward No	AL/9-405/03/2024-25
		Sampling Date	14/02/2025
Sample Location	South Side- Shri Yogesh Pingale House	Sampling Time	02:16 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	30	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	19.75	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	22.64	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	53.40	≤ 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	16.62	≤ 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	2464569	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamohite

Verified by
(Analyst)

Signature

Authorized Signatory

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No		AL/TR/86-584/2024-25
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date		28/03/2025
Dattatraynagar, Pargaon,		Inward No		AL/9-457/01/2024-25
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Samplin Date		20/03/2025
Sample Location	South East - Mr. Vinayak Jadhav House	Sampling Time		11:12 AM
Sample Collected By	AARL	Time duration		08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	31.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	34	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	22.19	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.72	≤ 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	16.64	≤ 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	01.37	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method)
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	Method Of Air Sampling, 3 rd Edition
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 11)RA 2022
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:5182 (Part 12)RA 2019
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/013/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	2464569	29/07/2025	
Digital Weighing Balance		AL-DWB-01	2024/67983/01	25/06/2025	
Spectrophotometer		AARL/SPM/01	2464532	30/07/2025	
Atomic Absorption Spectrometer		AARL/AAS/01	2464543	30/07/2025	

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

Mamohite

Verified by
(Analyst)

Authorized Signatory

...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. Dallatraynagar, Pargaon, Village-Awasari Blk, Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/86-585/2024-25
		Report Date	28/03/2025
		Inward No	AL/9-457/02/2024-25
		Sampling Date	20/03/2025
Sample Location	North East -Mr. Pravin Dhobale House	Sampling Time	11:40 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	31.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	33	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	21.49	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.07	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	49.90	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.60	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.81	≤ 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	01.62	≤ 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	2464572	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamohile

Verified by
(Analyst)

Cipul

Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/86-586/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	28/03/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-457/03/2024-25	
Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Sampling Date	20/03/2025	
Sample Location	South West- Mr. Pratik Ware House	Sampling Time	11:54 AM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	31.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	31	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	20.37	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	23.54	≤ 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	19.80	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.57	≤ 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	01.74	≤ 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	2464575	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamohite

Verified by
(Analyst)

Cipul

Authorized Signatory

...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 Smpling Date	AL/TR/86-587/2024-25 28/03/2025 AL/9-457/04/2024-25 20/03/2025
Sample Location	North West -Mr. Bharat Dhobale House	Sampling Time	12:10 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	31.0	N.S.	EPA-454/R-99-005
2.	Relative Humidity	% rh	30	N.S.	EPA-454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	26.91	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	28.17	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	53.60	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.40	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.79	≤ 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	01.70	≤ 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	2464573	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

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

Mamohile

Verified by
(Analyst)

Cipru

Authorized Signatory

...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/91-684/2024-25
		Report Date	06/01/2025
		Inward No	12-282
Sample Testing Location	Laboratory	Inward Date	30/12/2024
Sample Detail	Well Water - Shri Nivruti Dhobale(West Side)	Analysis Start date	31/12/2024
Sample Collected By	Party	Analysis End date	04/01/2025
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	2.67	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOS/cm	632.54	N.S	IS 3025 (Part 14):2013
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	410	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	26.91	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	176.0	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	167	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	30.30	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	21.82	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	108.67	≤200	APHA- 24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	12.38	≤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	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Absent	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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/91-685/2024-25	
		Report Date	06/01/2025	
		Inward No	12-283	
Sample Testing Location	Laboratory	Inward Date	30/12/2024	
Sample Detail	Borewell Water - Shri Sopan Jadhav (South Side)	Analysis Start date	31/12/2024	
Sample Collected By	Party	Analysis End date	04/01/2025	
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	0.98	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOS/cm	1267.63	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.27	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	993	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	105.18	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	564.1	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	303	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	56.56	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	38.78	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	194.73	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	64.27	≤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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/91-686/2024-25	
		Report Date		06/01/2025	
		Inward No		12-284	
Sample Testing Location	Laboratory	Inward Date		30/12/2024	
Sample Detail	Borewell Water - Tanishka Hotel (North Side)	Analysis Start date		31/12/2024	
Sample Collected By	Party	Analysis End date		04/01/2025	
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	3.51	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOS/cm	1255.96	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.31	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	932	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	114.96	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	590.0	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	328	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	64.64	≤75.0	IS3025(Part-40) 2009(RA 2019)EDTA Method
11.	Magnesium as Mg	mg/l	40.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	221.37	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	63.76	≤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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/91-687/2024-25
		Report Date	06/01/2025
		Inward No	12-285
		Inward Date	30/12/2024
Sample Testing Location	Laboratory	Analysis Start date	31/12/2024
Sample Detail	Borewell Water - Shri. Satish Jadhav (South Side)	Analysis End date	04/01/2025
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	0.61	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	696.92	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.79	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	453	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	24.46	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	207.0	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	187	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	34.34	≤75.0	IS3025(Part-40) 2009(RA 2019)EDTA Method
11.	Magnesium as Mg	mg/l	24.24	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	94.33	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	13.58	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	BDL	≤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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/91-688/2024-25
		Report Date	06/01/2025
		Inward No	12-286
		Inward Date	30/12/2024
Sample Testing Location	Laboratory		
Sample Detail	well Water – Shri. Ramesh Gaikwad (East Side)	Analysis Start date	31/12/2024
Sample Collected By	Party	Analysis End date	04/01/2025
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	0.83	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	1505.48	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.63	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	946	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	90.50	≤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	596	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	125.24	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	67.87	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	194.73	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	96.57	≤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

(Mrs.Vrushali kadam-londhe)

Reviewed by

(Ms.Sonali Mohite)

...End of test report...

Authorized Signatory

(Mr.Vipul Waghmare)



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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/91-918/2024-25	
		Report Date	25/01/2025	
		Inward No	01-221	
		Inward Date	20/01/2025	
Sample Testing Location	Laboratory		Analysis Start date	21/01/2025
Sample Detail	Well Water - Shri Ramdas Nahare (South-East)		Analysis End date	25/01/2025
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	0.13	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	844.5	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C		7.81	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	764	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	88.70	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	324.8	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	380	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	72.0	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	48.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	77.94	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	77.94	≤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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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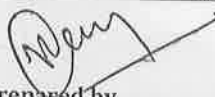
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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/91-919/2024-25
		Report Date	25/01/2025
		Inward No	01-222
Sample Testing Location	Laboratory	Inward Date	20/01/2025
Sample Detail	Borewell Water - Shri Balasaheb Dhobale(South-West)	Analysis Start date	21/01/2025
Sample Collected By	Party	Analysis End date	25/01/2025
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

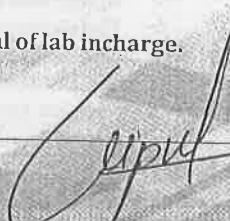
Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.01	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	1295.10	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.33	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	1051	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	226.47	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	253.7	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	620	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	148.0	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	60.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	129.23	≤200	APHA-24 th Edition 2023 4500-E- SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	97.24	≤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
(Mrs.Vrushali kadam-londhe)


Reviewed by
(Ms.Sonali Mohite)
...End of test report...


Authorized Signatory
(Mr.Vipul Waghmare)



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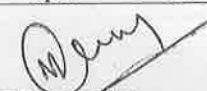
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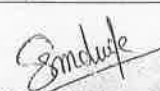
TEST REPORT			Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.			Report No	AI/TR/91-920/2024-25
			Report Date	25/01/2025
			Inward No	01-223
Sample Testing Location	Laboratory		Inward Date	20/01/2025
Sample Detail	well Water - Shri.Vithal Dhobale (North-East)		Analysis Start date	21/01/2025
Sample Collected By	Party		Analysis End date	25/01/2025
Sample Volume	2250 ml		Sample Condition	Fit For Analysis

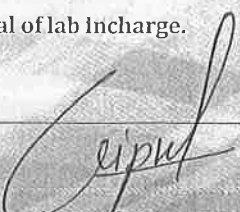
Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Inobjectionable	Inobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.02	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOS/cm	838.8	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.67	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	714	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	98.55	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	314.6	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	330	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	64.0	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	40.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	40.27	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	40.39	≤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
(Mrs.Vrushali kadam-londhe)


Reviewed by
(Ms.Sonali Mohite)
...End of test report...


Authorized Signatory
(Mr.Vipul Waghmare)



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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/91-921/2024-25
		Report Date	25/01/2025
		Inward No	01-224
		Inward Date	20/01/2025
Sample Testing Location	Laboratory	Analysis Start date	21/01/2025
Sample Detail	well Water - Shri Mauli Asware (North-West)	Analysis End date	25/01/2025
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	0.02	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	984.40	N.S	IS 3025 (Part 14):2013
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	848	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	118.5	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	355.3	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	400	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	96.0	≤75.0	IS3025(Part-40) 2009(RA 2019) EDTA Method
11.	Magnesium as Mg	mg/l	38.40	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	68.42	≤200	APHA-24 th Edition 2023 4500-E- SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	46.0	≤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

REMARK-

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

Prepared by
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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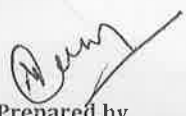
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TEST REPORT			Page 1 of 1	
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.			Report No	AL/TR/91-922/2024-25
			Report Date	25/01/2025
			Inward No	01-225
			Inward Date	20/01/2025
Sample Testing Location	Laboratory		Analysis Start date	21/01/2025
Sample Detail	Ghod & Meena River		Analysis End date	25/01/2025
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	1.90	≤1.00	IS3025(Part-10)2023
4.	Conductivity	μMHOs/cm	468.80	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	8.73	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	479	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	68.99	≤250	IS3025(Part-32)2009(RA 2019) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	223.3	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	210	≤200	IS3025(Part-21) 2009(RA 2014) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	32.0	≤75.0	IS3025(Part-40) 2009(RA 2019)EDTA Method
11.	Magnesium as Mg	mg/l	31.20	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	21.36	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	12.18	≤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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- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable


Prepared by
(Mrs.Vrushali kadam-londhe)


Reviewed by
(Ms.Sonali Mohite)
...End of test report...


Authorized Signatory
(Mr.Vipul Waghmare)



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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/92-219/2024-25
		Report Date 20/02/2025
		Inward No 02-178
Sample Testing Location	Laboratory	Inward Date 15/02/2025
Sample Detail	Well Water - Shri Hosiram Dhobale (East Side)	Analysis Start date 15/02/2025
Sample Collected By	Party	Analysis End date 19/02/2025
Sample Volume	2250 ml	Sample Condition Fit For Analysis

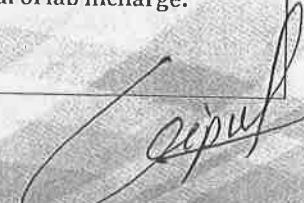
Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.89	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1435	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.56	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	893	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	105.18	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	439.9	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	455	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	101.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	48.48	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	132.29	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	pH @ 25°C	---	7.56	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
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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- ❖ Opinion and interpretation - Not applicable


Prepared by
(Mrs.Vrushali kadam-londhe)


Reviewed by
(Ms.Sonali Mohite)
...End of test report...


Authorized Signatory
(Mr.Vipul Waghmare)



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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 Blk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/92-218/2024-25	
		Report Date	20/02/2025	
		Inward No	02-177	
Sample Testing Location	Laboratory	Inward Date	15/02/2025	
Sample Detail	Borewell Water - Shri.Mayur Dhobale (West Side)	Analysis Start date	15/02/2025	
Sample Collected By	Party	Analysis End date	19/02/2025	
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	0.73	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1134	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.52	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	629	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	88.05	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	289.8	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	348.0	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	78.78	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	36.36	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	103.74	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	pH @ 25°C	---	7.52	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/92-217/2024-25
		Report Date	20/02/2025
		Inward No	02-176
		Inward Date	15/02/2025
Sample Testing Location	Laboratory	Analysis Start date	15/02/2025
Sample Detail	well Water - Shri Balasaheb Dhobale (North side)	Analysis End date	19/02/2025
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

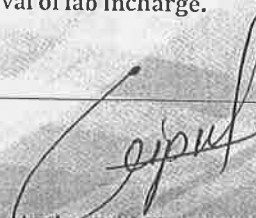
Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.65	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOS/cm	1363	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.68	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	726	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	105.18	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	434.7	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	364	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	58.58	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	52.12	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	92.53	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	pH @ 25°C	---	7.68	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
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
(Mrs.Vrushali kadam-londhe)


Reviewed by
(Ms.Sonali Mohite)
...End of test report...


Authorized Signatory
(Mr.Vipul Waghmare)



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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.-Aambegaon, Dist. - Pune-412406.		Report No	AL/TR/92-216/2024 25
		Report Date	20/02/2025
		Inward No	02-175
		Inward Date	15/02/2025
Sample Testing Location	Laboratory		
Sample Detail	Borwell Water - Shri Yogesh Pingale) South side	Analysis Start date	15/02/2025
Sample Collected By	Party	Analysis End date	19/02/2025
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

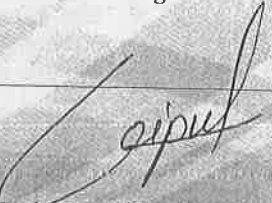
Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.65	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1469.0	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.74	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	911	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	85.61	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	305.3	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	576	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	115.14	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	69.08	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	232.22	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	pH @ 25°C	---	7.74	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
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
(Mrs.Vrushali kadam-londhe)


Reviewed by
(Ms.Sonali Mohite)
...End of test report...


Authorized Signatory
(Mr.Vipul Waghmare)



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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/92-495/2024-25	
		Report Date	27/03/2025	
		Inward No	03-157	
		Inward Date	20/03/2025	
Sample Testing Location	Laboratory		Analysis Start date	21/03/2025
Sample Detail	well Water - Mr. Vinayak Jadhav (South-East side)		Analysis End date	25/03/2025
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	0.63	≤1.00	IS3025(Part-10)
4.	Conductivity	μMH0s/cm	1432.0	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.55	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	857	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	128.12	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	362.2	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	646	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	129.28	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	77.57	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	130.66	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	3.32	≤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-

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- ❖ 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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/92-496/2024-25	
		Report Date	27/03/2025	
		Inward No	03-158	
		Inward Date	20/03/2025	
Sample Testing Location	Laboratory			
Sample Detail	Borewell Water - Mr. Pravin Dhobale (North -East side)	Analysis Start date	21/03/2025	
Sample Collected By	Party	Analysis End date	25/03/2025	
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	0.75	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	437.4	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.08	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	823	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	137.97	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	434.7	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	485	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	117.16	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	46.06	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	120.12	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	76.07	≤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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/92-497/2024-25
		Report Date	27/03/2025
		Inward No	03-159
		Inward Date	20/03/2025
Sample Testing Location	Laboratory		
Sample Detail	well Water - Mr. Bharat Dhobale (North -West side)	Analysis Start date	21/03/2025
Sample Collected By	Party	Analysis End date	25/03/2025
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	0.34	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	1046	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.25	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	113.33	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	372.6	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	364	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	72.72	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	43.63	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	92.19	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	36.48	≤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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- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/92-498/2024-25
		Report Date	27/03/2025
		Inward No	03-160
		Inward Date	20/03/2025
Sample Testing Location	Laboratory	Analysis Start date	21/03/2025
Sample Detail	Ghod Meena River Sangam	Analysis End date	25/03/2025
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	0.41	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	393.20	N.S	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.68	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/l	354	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	54.20	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	155.3	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	152	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	28.28	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	19.39	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	3.29	≤200	APHA-23 rd Edition 2017-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	41.69	≤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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- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Prepared by

(Mrs.Vrushali kadam-londhe)

Reviewed by

(Ms.Sonali Mohite)

...End of test report...

Authorized Signatory

(Mr.Vipul Waghmare)



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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/92-501/2024-25
			Report Date	27/03/2025
			Inward No	03-163
			Inward Date	20/03/2025
Sample Testing Location	Laboratory		Analysis Start date	21/03/2025
Sample Detail	Karkhana Raw Water		Analysis End date	25/03/2025
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	0.85	≤1.00	IS3025(Part-10)
4.	Conductivity	μMHOs/cm	423.10	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	236	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/l	15.77	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	133.5	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO ₃	mg/l	110	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/l	23.03	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/l	12.60	≤30.0	APHA 23 rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	17.56	≤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
(Mrs.Vrushali kadam-londhe)

Reviewed by
(Ms.Sonali Mohite)
...End of test report...

Authorized Signatory
(Mr.Vipul Waghmare)



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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/85-070/2024-25	
		Report Date	07/01/2025	
		Inward No	AL/9-312/10/2024-25	
		Sampling Date	30/12/2024	
Sample Location	Company Premises	Sampling Time	01:00 PM To 01:30 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Shop					
1.	Near Switch Yard	dB(A)	64.8	≤ 75 dB(A)	IS 9989-1981 (RA 2020)
2.	Near college	dB(A)	51.2		
3.	Near petrol pump	dB(A)	62.3		
B. Inside of Shop					
4.	Near mill house	dB(A)	79.2	≤ 90 dB(A)	IS 4758:(1968)-RA 2017
5.	Near boiling house	dB(A)	78.1		
6.	Near Sugar house	dB(A)	76.9		
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.		Validity
Sound Level Meter		AK-SLM-05	2464564		29/07/2025

REMARK, OPINION & INTERPRITATION-

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

Mamohite

Verified by
(Analyst)

...End of test report...

aipt

Authorized Signatory



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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/85-521/2024-25
		Report Date	27/01/2025
		Inward No	AL/9-362/09/2024-25
		Sampling Date	20/01/2025
Sample Location	Company Premises	Sampling Time	01:30 PM To 02:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Shop					
1.	Near Switch Yard	dB(A)	68.1	≤ 75 dB(A)	IS 9989-1981 (RA 2020)
2.	Near School	dB(A)	70.1		
3.	Near Khandoba Mandir	dB(A)	69.1		
B. Inside of Shop					
4.	Near Workshop	dB(A)	78.1		
5.	Near boiler	dB(A)	79.3		
6.	Near Sugar 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-07	2464566		29/07/2025

REMARK, OPINION & INTERPRITATION-

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

M. Ambhite

Verified by
(Analyst)

...End of test report...

[Signature]

Authorized Signatory



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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-957/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	22/02/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-405/10/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	14/02/2025	
Sample Location	Company Premises	Sampling Time	03:30 PM To 04:00 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A.	Outside of Shop				
1.	Near Colony	dB(A)	72.4	≤ 75 dB(A)	IS 9989-1981 (RA 2020)
2.	Near Switch Yard	dB(A)	70.6		
3.	Near Chichgai Road	dB(A)	71.1		
B.	Inside of Shop				
4.	Power House Area	dB(A)	75.8	≤ 90 dB(A)	IS 4758:(1968)-RA 2017
5.	Godown Area	dB(A)	77.2		
6.	Boiler house	dB(A)	81.8		

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Sound Level Meter	AK-SLM-05	2464564	29/07/2025

REMARK, OPINION & INTERPRITATION-

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

Mamohide

Verified by
(Analyst)

Cipr
Authorized Signatory

...End of test report...



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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/86-593/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	28/03/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-457/10/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	20/03/2025	
Sample Location	Company Premises	Sampling Time	01:00 PM To 01:30 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Karkhana*					
1.	Near Petrol Pump	dB(A)	72.7	≤ 75 dB(A)	IS 9989-1981 (RA 2020)
2.	Near D.G. Walse Patil House	dB(A)	68.7		
3.	Near Khandoba Mandir	dB(A)	70.4		
B. Inside of Karkhana					
4.	Near Mill House	dB(A)	74.9	≤ 90 dB(A)	IS 4758:(1968)-RA 2017
5.	Sugar House	dB(A)	79.8		
6.	Near 13 MW Turbine	dB(A)	84.6		

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Sound Level Meter	AK-SLM-06	2464565	29/07/2025

REMARK, OPINION & INTERPRITATION-

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

Mamohile

Verified by
(Analyst)

Cipul

Authorized Signatory

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhlma Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-074/2024-25
		Report Date	07/01/2025
		Sampling Date	AL/9-312/06/2024-25
		Sampling Date	30/12/2024
Sample Location	Bagasse Yard {Fugitive Sample}	Sampling Time	01:50 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	73.60	IS:5182(Part-23)RA 2022
2.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	30.50	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-06	2464574	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025

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

Mamohite.

Verified by
(Analyst)

Cipul
Authorized Signatory

...End of test report...



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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/85-953/2024-25
		Report Date	22/02/2025
		Sampling Date	AL/9-405/06/2024-25
		Sampling Date	30/01/2025
Sample Location	Near Bagasse Yard {Fugitive Sample}	Sampling Time	02:40 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	70.40	IS:5182(Part-23)RA 2022
2.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	29.50	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-08	2464576	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025

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

Mamchite

Verified by
(Analyst)

Cipul

Authorized Signatory

...End of test report...



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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/86-589/2024-25
		Report Date	28/03/2025
		Sampling Date	AL/9-457/06/2024-25
		Sampling Date	20/03/2025
Sample Location	Near Bagasse Yard {Fugitive Sample}	Sampling Time	12:45 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	72.20	IS:5182(Part-23):RA 2022
2.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	28.60	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-03	2464571	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025

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

M. Mohite

Verified by
(Analyst)

Cipul
Authorized Signatory

...End of test report...

NAME	DATE	TIME	LOCATION
JOHN DOE	10/10/2023	10:00	Room 101
JANE SMITH	10/10/2023	10:00	Room 101
Signature: _____ Print Name: _____			

[Handwritten signature]

10/10/2023

