AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/38-241/2020-21
		Report Date	10/12/2020
		Inward No	12-18
		Inward Date	28/11/2020
Sample Detail	ETP Outlet Final	**Analysis Start date**	03/12/2020
Sample Collected By	Party	**Analysis End date**	08/12/2020
Sample Volume	3000 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25⁰ C	-----	6.79	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	Total Suspended Solids	mg/lit.	2.00	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
3.	Total Dissolved Solids	mg/lit.	1003	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
4.	Chemical Oxygen Demand	mg/lit.	42.0	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
5.	BOD @27⁰ C For 3 Days	mg/lit.	14.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
6.	Chlorides as Cl	mg/lit.	74.4	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
7.	Sulphate as SO_4^{2}	mg/lit.	8.14	≤1000	APHA-23rd Edition 2017 4500-E-SO_4^{2}
8.	Oil & Grease	mg/lit.	BDL	≤10.0	APHA 23rd Edition 2017 5520 B

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 its testing.
- The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- BDL-Below Detectable Limit.

Aishwarya.

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

Dec-2020

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/38-657/2020-21
		Report Date	08/01/2021
		Inward No	12-450
		Inward Date	30/12/2020
Sample Detail	ETP Outlet Final	**Analysis Start date**	01/01/2021
Sample Collected By	Party	**Analysis End date**	05/01/2021
Sample Volume	3000 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25⁰ C	-----	7.00	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	Total Suspended Solids	mg/lit.	1.00	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
3.	Total Dissolved Solids	mg/lit.	310	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
4.	Chemical Oxygen Demand	mg/lit.	120	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
5.	BOD @27⁰ C For 3 Days	mg/lit.	40.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
6.	Chlorides as Cl	mg/lit.	44.7	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
7.	Sulphate as SO_4^{2}	mg/lit.	5.94	≤1000	APHA-23rd Edition 2017 4500-E-SO_4^{2}
8.	Oil & Grease	mg/lit.	BDL	≤10.0	APHA 23rd Edition 2017 5520 B

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 its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL-Below Detectable Limit.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT

NAME OF COMPANY & ADDRESS:			**Page 1 of 1**
M/s. Bhima Shankar sahakari sakhar karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. - Pune-412406		**Report No**	AL/TR/39-056/2020-21
		Report Date	02/02/2021
		Inward No	1-379
Sample Detail	ETP Outlet	**Inward Date**	25/01/2021
Sample Collected By	Party	**Analysis Start date**	28/01/2021
Sample Volume	3000 ml	**Analysis End date**	01/02/2021
		Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25⁰ C	-----	7.75	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	Total Suspended Solids	mg/lit.	19.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
3.	Total Dissolved Solids	mg/lit.	1652	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
4.	Chemical Oxygen Demand	mg/lit.	41.0	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
5.	BOD @27⁰ C For 3 Days	mg/lit.	14.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
6.	Chlorides as Cl	mg/lit.	389	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
7.	Sulphate as SO_4^{2}	mg/lit.	6.95	≤1000	APHA-23rd Edition 2017 4500-E-SO_4^{2}
8.	Oil & Grease	mg/lit.	BDL	≤10.0	APHA 23rd Edition 2017 5520 B

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 its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL-Below Detectable Limit.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

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/39-447/2020-21
		Report Date	03/03/2021
		Inward No	2-328
		Inward Date	22/02/2021
Sample Detail	ETP Outlet	**Analysis Start date**	24/02/2021
Sample Collected By	Party	**Analysis End date**	02/03/2021
Sample Volume	3000 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25^0 C	-----	7.83	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	Total Suspended Solids	mg/lit.	31.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
3.	Total Dissolved Solids	mg/lit.	1221	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
4.	Chemical Oxygen Demand	mg/lit.	34.0	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
5.	BOD @27^0 C For 3 Days	mg/lit.	13.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
6.	Chlorides as Cl	mg/lit.	330	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
7.	Sulphate as SO_4^2	mg/lit.	7.12	≤1000	APHA-23rd Edition 2017 4500-E-SO_4^2
8.	Oil & Grease	mg/lit.	BDL	≤10.0	APHA 23rd Edition 2017 5520 B

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 its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL-Below Detectable Limit.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-992/2021-22
		Report Date	03/04/2021
		Inward No	3-458
		Inward Date	28/03/2021
Sample Detail	ETP Outlet	Analysis Start date	30/03/2021
Sample Collected By	Party	Analysis End date	02/04/2021
Sample Volume	3000 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25⁰ C	-----	8.10	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	Total Suspended Solids	mg/lit.	8.00	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
3.	Total Dissolved Solids	mg/lit.	1343	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
4.	Chemical Oxygen Demand	mg/lit.	64.0	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
5.	BOD @27⁰ C For 3 Days	mg/lit.	21.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
6.	Chlorides as Cl	mg/lit.	104	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
7.	Oil & Grease	mg/lit.	BDL	≤10.0	APHA 23rd Edition 2017 5520 B
8.	Sulphate as SO_4^{2}	mg/lit.	9.83	≤1000	APHA-23rd Edition 2017 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 its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL-Below Detectable Limit.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC) New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/40-313/2021-22
		Report Date	30/04/2021
		Inward No	4-314
		Inward Date	23/04/2021
Sample Detail	ETP Outlet	Analysis Start date	24/04/2021
Sample Collected By	Party	Analysis End date	28/04/2021
Sample Volume	3000 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as Per MPCB Consent	Method
1.	pH@25⁰ C	-----	7.83	5.5-9.0	IS 3025 (Part 11) RA 2012 Electrometric method
2.	Total Suspended Solids	mg/lit.	10.0	≤100	IS 3025 (Part 17) RA 2012 Gravimetric method
3.	Total Dissolved Solids	mg/lit.	1397	≤2100	IS 3025 (Part 16) RA 2012 Gravimetric method
4.	Chemical Oxygen Demand	mg/lit.	63.2	≤250	IS 3025 (Part 58) RA 2012 Open Reflux Method
5.	BOD @27⁰ C For 3 Days	mg/lit.	21.0	≤100	IS 3025 (Part 44) RA 2014 Azide Modification Method
6.	Chlorides as Cl	mg/lit.	44.6	≤600	IS 3025 (Part 32) RA 2009 Argentometric method
7.	Oil & Grease	mg/lit.	BDL	≤10.0	APHA 23rd Edition 2017 5520 B
8.	Sulphate as SO_4^{2}	mg/lit.	4.75	≤1000	APHA-23rd Edition 2017 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 its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL-Below Detectable Limit.**

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report No**	AL/TR/57-296/20-21
		Report Date	07/12/2020
		Inward No	AL/6-855/04/20-21
		Inward Date	28/11/2020
Sample Location	North side-Near Shingave fata hotel	**Sampling Time**	11:30 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	33.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	41	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	15.96	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	17.03	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	66.02	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.03	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	16.98	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part 22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.99	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Aishwarya

Verified by
(Analyst)

Gipul

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. –Ambegaon, Dist.– Pune-412 406		**Report No**	AL/TR/57-295/20-21
		Report Date	07/12/2020
		Inward No	AL/6-855/03/20-21
		Inward Date	28/11/2020
Sample Location	South Side- Near Yogesh Pingale house	**Sampling Time**	11:15 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	32.5	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	42	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	10.06	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_x)	µg/m³	10.27	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	56.17	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	16.93	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.22	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.81	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report No**	AL/TR/57-294/20-21
		Report Date	07/12/2020
		Inward No	AL/6-855/02/20-21
		Inward Date	28/11/2020
Sample Location	West side-Near Nivrutti 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	32.1	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	46	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	12.03	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	09.57	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	66.58	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.62	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.05	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.84	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. – Pune-412 406		**Report No**	AL/TR/57-293/20-21
		Report Date	07/12/2020
		Inward No	AL/6-855/01/20-21
		Inward Date	28/11/2020
Sample Location	East Side- Near Dnyaneshwar Dhobale (Mauli) House	**Sampling Time**	11:00 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	32.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	48	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	10.27	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.03	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	59.30	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	20.42	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	19.36	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.98	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report No**	AL/TR/57-297/20-21
		Report Date	07/12/2020
		Inward No	AL/6-855/05/20-21
		Inward Date	28/11/2020
Sample Location	Near Main Gate (Company Premises)	**Sampling Time**	12:00 PM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	34.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	42	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	18.67	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.04	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	65.12	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	20.82	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.01	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.23	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/57-936/20-21
		Report Date	08/01/2021
		Inward No	AL/6-905/ 01/20-21
		Inward Date	30/12/2020
Sample Location	South East Colony Area	**Sampling Time**	11:00 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	58	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	10.34	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.21	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	57.56	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	20.65	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.12	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.05	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/57-937/20-21
		Report Date	08/01/2021
		Inward No	AL/6-905/02/20-21
		Inward Date	30/12/2020
Sample Location	South West side-Ramakant Jadhav	**Sampling Time**	11:20 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	12.31	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	09.88	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	63.25	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.89	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.41	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.94	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/57-938/20-21
		Report Date	08/01/2021
		Inward No	AL/6-905/03/20-21
		Inward Date	30/12/2020
Sample Location	North East –Vittal Dhobale	**Sampling Time**	11:35 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	12.13	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	14.54	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	49.63	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	16.71	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.98	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.96	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING

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/57-939/20-21
		Report Date	08/01/2021
		Inward No	AL/6-905/04/20-21
		Inward Date	30/12/2020
Sample Location	North west – Taniskha Hotel / Lowns	**Sampling Time**	11:50 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	51	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	16.22	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	18.31	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	64.57	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	18.63	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.21	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.14	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/57-940/20-21
		Report Date	08/01/2021
		Inward No	AL/6-905/05/20-21
		Inward Date	30/12/2020
Sample Location	Kata Gate (Company Premises)	**Sampling Time**	12:00 PM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	32.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	49	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	18.79	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.34	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	79.23	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	25.45	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.36	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.41	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/58-231/20-21
		Report Date	04/02/2021
		Inward No	AL/6-929/01/20-21
		Inward Date	25/01/2021
Sample Location	South East Colony Area	**Sampling Time**	10:00AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	55	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	10.41	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.29	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	57.67	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	20.78	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.31	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.12	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING

NAME OF COMPANY:-		**Report No**	AL/TR/58-232/20-21
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report Date**	04/02/2021
		Inward No	AL/6-929/02/20-21
Sample Location	South West side-Ramakant Jadhav	**Inward Date**	25/01/2021
Sample Collected By	AARL	**Sampling Time**	10:10AM
		Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	55	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	12.39	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	09.96	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	63.64	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	18.21	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.56	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.05	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB
- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING

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/58-233/20-21
		Report Date	04/02/2021
		Inward No	AL/6-929/03/20-21
Sample Location	North East -VittalDhobale	**Inward Date**	25/01/2021
Sample Collected By	AARL	**Sampling Time**	10:15AM
		Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	52	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	12.23	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	14.69	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	49.81	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	16.86	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.91	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.08	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/58-234/20-21
		Report Date	04/02/2021
		Inward No	AL/6-929/04/20-21
		Inward Date	25/01/2021
Sample Location	North west – Pingle Suresh	**Sampling Time**	10:20AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	%rh	52	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	16.10	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	18.25	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	64.47	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	18.54	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.62	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.21	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/58-235/20-21
		Report Date	04/02/2021
		Inward No	AL/6-929/05/20-21
		Inward Date	25/01/2021
Sample Location	Main Gate (Company Premises)	**Sampling Time**	10:30 PM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	49	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	18.81	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.78	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	70.23	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	24.36	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.44	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.46	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. – Pune-412 406		**Report No**	AL/TR/58-589/20-21
		Report Date	03/03/2021
		Inward No	AL/6-960/01/20-21
		Inward Date	22/02/2021
Sample Location	East Side- Mr. Ramesh Gaikwad	**Sampling Time**	10:50 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	10.31	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.14	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	59.68	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	20.36	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	19.23	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.05	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report No**	AL/TR/58-590/20-21
		Report Date	03/03/2021
		Inward No	AL/6-960/02/20-21
		Inward Date	22/02/2021
Sample Location	West side-Mr.Balasaheb Dhobale	**Sampling Time**	11:15 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	47	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	12.28	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	09.67	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	58.78	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.69	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.17	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.91	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.- Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. –Ambegaon, Dist.– Pune-412 406		Report No	AL/TR/58-591/20-21
		Report Date	03/03/2021
		Inward No	AL/6-960/03/20-21
		Inward Date	22/02/2021
Sample Location	South Side- Mr. Ramdas Chavan	Sampling Time	11:40 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	32.0	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/m³	10.23	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	10.32	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	56.47	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	16.98	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.34	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.86	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report No**	AL/TR/58-592/20-21
		Report Date	03/03/2021
		Inward No	AL/6-960/04/20-21
		Inward Date	22/02/2021
Sample Location	North side-Mr.Gorakh Dhaytadak	**Sampling Time**	12:00 PM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	32.0	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/m³	16.02	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	17.31	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	56.22	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.15	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	16.89	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.06	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report No**	AL/TR/58-593/20-21
		Report Date	03/03/2021
		Inward No	AL/6-960/05/20-21
		Inward Date	22/02/2021
Sample Location	Near Main Gate (Company Premises)	**Sampling Time**	10:30 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	20	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	18.78	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.19	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	68.56	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	20.91	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.05	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.32	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

श्रीभैरवनाथ शेतकरी सहकारी कारखाना लि.
पत्र क्र. - 9109
दिनांक - 23/8/2021

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Shankar Sahakari Sakkar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. – Pune-412 406		**Report No**	AL/TR/59-235/21-22
		Report Date	05/04/2021
		Inward No	AL/7-20/01/21-22
		Inward Date	28/03/2021
Sample Location	East Side- Shri. Mauli Shete	**Sampling Time**	10:50 AM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	34	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	10.41	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.22	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	57.84	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	19.63	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	19.07	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.18	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-236/21-22
		Report Date	05/04/2021
		Inward No	AL/7-20/02/21-22
		Inward Date	28/03/2021
Sample Location	West side-Karkhana Petrol Pump	Sampling Time	11:15 AM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	32.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	29	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	16.32	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	12.58	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	59.85	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.67	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.15	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.96	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-238/21-22
		Report Date	05/04/2021
		Inward No	AL/7-20/04/21-22
		Inward Date	28/03/2021
Sample Location	South Side- Karkhana Jack Well	**Sampling Time**	12:00 PM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	32.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	27	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	10.33	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	10.41	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	52.36	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.12	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.89	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.94	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-237/21-22
		Report Date	05/04/2021
		Inward No	AL/7-20/03/21-22
		Inward Date	28/03/2021
Sample Location	North side- Karkhana Kopi Yard	**Sampling Time**	11:35 PM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	32.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	29	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	18.84	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.71	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	68.47	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	24.22	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.35	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.49	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-239/21-22
		Report Date	05/04/2021
		Inward No	AL/7-20/05/21-22
		Inward Date	28/03/2021
Sample Location	Kata Gate (Company Premises)	**Sampling Time**	12:25 PM
Sample Collected By	AARL	**Time duration**	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
15.	Ambient Temperature	°C	34.0	N.S.	EPA -454/R-99-005
16.	Relative Humidity	% rh	27	N.S.	EPA -454/R-99-005
17.	Sulphur Dioxide (SO_2)	µg/m³	19.23	≤ 80	IS:5182(Part-2):2001
18.	Oxides of Nitrogen (NO_X)	µg/m³	15.65	≤ 80	IS:5182(Part-6):2006
19.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	79.89	≤ 100	IS:5182(Part-23):2006
20.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	26.32	≤ 60	IS:5182(Part-23):2006
21.	Ozone (O_3)	µg/m³	18.41	≤ 180	IS:5182(Part-9):1974
22.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
23.	Carbon Monoxide (CO)	mg/m³	01.53	≤ 04	IS:5182(Part-10):1999
24.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
25.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
26.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
27.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
28.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

* Recognized by Ministry of Environment Forest and Climate Change (MoEFCC) New Delhi
* ISO 9001 : 2015 Certified Organization
* ISO 45001 : 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING

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/59-467/21-22
		Report Date	30/04/2021
		Inward No	AL/7-39/04/21-22
		Inward Date	22/04/2021
Sample Location	South west – Taniskha Hotel	Sampling Time	02:15 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	34.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	23	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	16.31	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	18.48	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	64.81	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	18.73	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.32	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.19	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-466/21-22
		Report Date	30/04/2021
		Inward No	AL/7-39/03/21-22
		Inward Date	22/04/2021
Sample Location	South East - Mr. Prashant Asware	Sampling Time	01:50 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	34.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	23	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	10.29	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_x)	µg/m³	10.38	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	56.74	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.07	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.41	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.92	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC) New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-465/21-22
		Report Date	30/04/2021
		Inward No	AL/7-39/02/21-22
		Inward Date	22/04/2021
Sample Location	North West side- Mr. Nanasaheb Dhobale	Sampling Time	01:30 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	34.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	23	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	12.17	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	09.68	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	66.75	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	17.69	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.96	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	00.89	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Authorized Signatory

...End of test report...

No. 741
Date 7/5/2021

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-464/21-22
		Report Date	30/04/2021
		Inward No	AL/7-39/01/21-22
		Inward Date	22/04/2021
Sample Location	North East -Mr. Yogesh Dhobale	Sampling Time	01:15 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	34.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	23	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	12.19	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_x)	µg/m³	14.64	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	49.87	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	16.86	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	17.91	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.08	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-468/21-22
		Report Date	30/04/2021
		Inward No	AL/7-39/05/21-22
		Inward Date	22/04/2021
Sample Location	Main Gate (Company Premises)	Sampling Time	02:40 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	34.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	23	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO_2)	µg/m³	18.89	≤ 80	IS:5182(Part-2):2001
4.	Oxides of Nitrogen (NO_X)	µg/m³	15.82	≤ 80	IS:5182(Part-6):2006
5.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	70.56	≤ 100	IS:5182(Part-23):2006
6.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	24.41	≤ 60	IS:5182(Part-23):2006
7.	Ozone (O_3)	µg/m³	18.52	≤ 180	IS:5182(Part-9):1974
8.	Lead (Pb)	µg/m³	BDL	≤ 1.0	IS:5182(Part-22):2004
9.	Carbon Monoxide (CO)	mg/m³	01.58	≤ 04	IS:5182(Part-10):1999
10.	Ammonia as (NH_3)	µg/m³	BDL	≤ 400	Method No.401,(Indophenols method)Method Of Air Sampeling,3rd Edition
11.	Benzene (C_6H_6)	µg/m³	BDL	≤ 05	IS:5182 (Part 11):2006
12.	Benzo(a)Pyrene (BaP)	ng/m³	BDL	≤ 01	IS:5182 (Part 12):2004
13.	Arsenic (As)	ng/m³	BDL	≤ 06	IS:3025 (PART-37)
14.	Nickel (Ni)	ng/m³	BDL	≤ 20	IS:3025 (PART-54) 2003

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**

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/38-238/2020-21
		Report Date	10/12/2020
		Inward No	12-15
		Inward Date	28/11/2020
Sample Detail	Well water-Dnyaneshwar Dhoble Home	**Analysis Start date**	03/12/2020
Sample Collected By	Party	**Analysis End date**	08/12/2020
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.04	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2941	Not Specified	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.88	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1522	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	732	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	199	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	56.2	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	94.3	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	5.77	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	359	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.80	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL- Below Detectable Limit**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS:		Report No	AL/TR/38-239/2020-21
M/s. Bhima Shankar sahakari sakhar karkhana Ltd.		Report Date	10/12/2020
Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. – Pune-412406		Inward No	12-16
		Inward Date	28/11/2020
Sample Detail	Well water-Nivrutti Dhoble	Analysis Start date	03/12/2020
Sample Collected By	Party	Analysis End date	08/12/2020
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
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	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1739	Not Specified	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.21	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	895	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	448	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	124	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	32.8	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	64.5	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	5.25	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	316	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.42	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL- Below Detectable Limit**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/38-236/2020-21
		Report Date	10/12/2020
		Inward No	12-13
		Inward Date	28/11/2020
Sample Detail	Well water-Yogesh Pingale Home	Analysis Start date	03/12/2020
Sample Collected By	Party	Analysis End date	08/12/2020
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
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	≤1.0.	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2957	Not Specified	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	7.30	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1528	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	546	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	195	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	14.1	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	119	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^{2}	mg/lit	5.77	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
12.	Total Alkalinity as CaCO3	mg/lit	490	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.56	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- As per Specified above analysis water sample is not within the desirable limits.
- Sample will be preserve for seven days after analysis.
- Above analysis results are related to its testing.
- The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- BDL- Below Detectable Limit

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS:		**Report No**	AL/TR/38-237/2020-21
M/s. Bhima Shankar sahakari sakhar karkhana Ltd.		**Report Date**	10/12/2020
Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. – Pune-412406		**Inward No**	12-14
		Inward Date	28/11/2020
Sample Detail	Borewell Water-Shingave Phata Hotel	**Analysis Start date**	03/12/2020
Sample Collected By	Party	**Analysis End date**	08/12/2020
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.04	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2977	Not Specified	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.19	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1519	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	595	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	175	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	37.5	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	119	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	4.75	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	370	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.33	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL- Below Detectable Limit**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/38-658/2020-21
		Report Date	08/01/2021
		Inward No	12-451
		Inward Date	30/12/2020
Sample Detail	Well water-South east bhimashankar hotel	**Analysis Start date**	01/01/2021
Sample Collected By	Party	**Analysis End date**	05/01/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25⁰C	NTU	0.10	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	450	Not Specified	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25⁰C	---	7.42	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1893	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	912	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	257	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	64.5	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	228	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^{2}	mg/lit	7.97	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
12.	Total Alkalinity as CaCO3	mg/lit	521	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.52	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL- Below Detectable Limit**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/38-660/2020-21
		Report Date	08/01/2021
		Inward No	12-453
		Inward Date	30/12/2020
Sample Detail	Well water- South West Ramakant Jadhav	**Analysis Start date**	01/01/2021
Sample Collected By	Party	**Analysis End date**	05/01/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.90	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	5371	Not Specified	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.32	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1832	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	902	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	257	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	62.2	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	158	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	92.0	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	577	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	2.02	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL- Below Detectable Limit**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/38-662/2020-21
		Report Date	08/01/2021
		Inward No	12-455
		Inward Date	30/12/2020
Sample Detail	Borewell water- North East Vitthal Dhoble	**Analysis Start date**	01/01/2021
Sample Collected By	Party	**Analysis End date**	05/01/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.50	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	3697	Not Specified	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/lit	2370	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	662	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	249	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	9.22	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	99.3	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^{2}	mg/lit	11.2	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
12.	Total Alkalinity as CaCO3	mg/lit	399	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.54	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL- Below Detectable Limit**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS:		**Report No**	AL/TR/38-659/2020-21
M/s. Bhima Shankar sahakari sakhar karkhana Ltd.		**Report Date**	08/01/2021
Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. – Pune-412406		**Inward No**	12-452
		Inward Date	30/12/2020
Sample Detail	Well water-North west tanishka hotel	**Analysis Start date**	01/01/2021
Sample Collected By	Party	**Analysis End date**	05/01/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.50	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	4241	Not Specified	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.69	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	2757	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	595	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	153	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	50.7	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	74.4	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	7.80	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	543	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.42	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL- Below Detectable Limit**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS:		**Report No**	AL/TR/38-661/2020-21
M/s. Bhima Shankar sahakari sakhar karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. - Pune-412406		**Report Date**	08/01/2021
		Inward No	12-454
		Inward Date	30/12/2020
Sample Detail	Well water-Dattu Walse	**Analysis Start date**	01/01/2021
Sample Collected By	Party	**Analysis End date**	05/01/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.40	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	4479	Not Specified	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.22	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	2777	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	864	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	222	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	73.0	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	94.3	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^{2}	mg/lit	88.1	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
12.	Total Alkalinity as CaCO3	mg/lit	366	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.44	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL- Below Detectable Limit**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS:		**Report No**	AL/TR/39-060/2020-21
M/s. Bhima Shankar sahakari sakhar karkhana Ltd.		**Report Date**	02/02/2021
Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. – Pune-412406		**Inward No**	1-383
		Inward Date	25/01/2021
Sample Detail	Well Water- Colony Area (South East)	**Analysis Start date**	28/01/2021
Sample Collected By	Party	**Analysis End date**	01/02/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.60	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2895	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.85	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1526	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	470	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	145	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	25.3	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	55.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	5.77	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	329	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	2.72	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-059/2020-21
		Report Date	02/02/2021
		Inward No	1-382
		Inward Date	25/01/2021
Sample Detail	Well Water- Ramnath Jadhav (South west)	**Analysis Start date**	28/01/2021
Sample Collected By	Party	**Analysis End date**	01/02/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	BDL	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	5668	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.35	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	2994	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	710	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	199	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	50.7	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	125	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	4.92	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	419	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.68	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-058/2020-21
		Report Date	02/02/2021
		Inward No	1-381
		Inward Date	25/01/2021
Sample Detail	Well Water-Santosh Dhoble(North East)	**Analysis Start date**	28/01/2021
Sample Collected By	Party	**Analysis End date**	01/02/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.30	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	6121	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.60	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	3240	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	758	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	184	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	71.4	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	140	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^{2}	mg/lit	7.00	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
12.	Total Alkalinity as CaCO3	mg/lit	488	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.68	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-061/2020-21
		Report Date	02/02/2021
		Inward No	1-384
		Inward Date	25/01/2021
Sample Detail	Well Water- Suresh Pingle(North West)	**Analysis Start date**	28/01/2021
Sample Collected By	Party	**Analysis End date**	01/02/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.50	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	6518	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.85	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	3424	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	585	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	165	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	41.5	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	130	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	4.19	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	703	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.69	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-062/2020-21
		Report Date	02/02/2021
		Inward No	1-385
		Inward Date	25/01/2021
Sample Detail	Well Water- Shivaji Ponde	**Analysis Start date**	28/01/2021
Sample Collected By	Party	**Analysis End date**	01/02/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.20	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	6762	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.53	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	3571	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	700	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	230	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	30.0	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	239	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	6.95	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	408	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	3.67	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Aishwarya.

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-442/2020-21
		Report Date	03/03/2021
		Inward No	2-323
		Inward Date	22/02/2021
Sample Detail	Borewell water-Nandu Sable East Side	**Analysis Start date**	24/02/2021
Sample Collected By	Party	**Analysis End date**	02/03/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.88	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2401	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.18	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1561	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	1089	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	297	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	83.2	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	58.3	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^{2}	mg/lit	97.0	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
12.	Total Alkalinity as CaCO3	mg/lit	467	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	2.42	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Absent	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Absent	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-441/2020-21
		Report Date	03/03/2021
		Inward No	2-322
		Inward Date	22/02/2021
Sample Detail	Well water-Rohidas Bhagwat West Side	**Analysis Start date**	24/02/2021
Sample Collected By	Party	**Analysis End date**	02/03/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.28	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2003	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	7.36	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1302	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	762	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	206	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	59.4	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	218	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	9.15	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	536	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	7.24	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15.	Coliform	MPN Index/100ml	Absent	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Absent	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- 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		**Report No**	AL/TR/39-443/2020-21
		Report Date	03/03/2021
		Inward No	2-324
		Inward Date	22/02/2021
Sample Detail	Well Water-Ramdas Thorat North Side	**Analysis Start date**	24/02/2021
Sample Collected By	Party	**Analysis End date**	02/03/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.68	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1635	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	7.80	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1063	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	545	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	132	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	50.0	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	63.1	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^{2}	mg/lit	8.31	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
12.	Total Alkalinity as CaCO3	mg/lit	513	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	6.19	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- 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		**Report No**	AL/TR/39-440/2020-21
		Report Date	03/03/2021
		Inward No	2-321
		Inward Date	22/02/2021
Sample Detail	Borewell water-Shankar Datir South Side	**Analysis Start date**	24/02/2021
Sample Collected By	Party	**Analysis End date**	02/03/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.48	<1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1906	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.38	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1239	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	812	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	242	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	50.0	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	208	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Total Alkalinity as CaCO3	mg/lit	422	≤200	IS3025(Part-23)RA 2009
12.	Sulphate as SO_4^{2}	mg/lit	28.5	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	5.83	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-445/2020-21
		Report Date	03/03/2021
		Inward No	2-326
		Inward Date	22/02/2021
Sample Detail	River water Sangam	**Analysis Start date**	24/02/2021
Sample Collected By	Party	**Analysis End date**	02/03/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.88	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	721	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.20	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	469	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	248	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	75.2	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	14.3	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	305	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	4.41	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	217	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	1.98	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS:		**Report No**	AL/TR/39-444/2020-21
M/s. Bhima Shankar sahakari sakhar karkhana Ltd.		**Report Date**	03/03/2021
Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. - Pune-412406		**Inward No**	2-325
		Inward Date	22/02/2021
Sample Detail	Karkhana Raw Water	**Analysis Start date**	24/02/2021
Sample Collected By	Party	**Analysis End date**	02/03/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.26	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	749	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.16	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	487	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	277	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	47.5	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	38.0	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	43.7	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11.	Sulphate as SO_4^2	mg/lit	4.24	≤200	APHA-23rd Edition 2017-E-SO_4^2
12.	Total Alkalinity as CaCO3	mg/lit	205	≤200	IS3025(Part-23)RA 2009
13.	Nitrate as NO_3	mg/lit	2.08	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Absent	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Absent	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-986/2021-22
		Report Date	03/04/2021
		Inward No	3-452
		Inward Date	28/03/2021
Sample Detail	Borewell East Side Shri.Mauli Shete	**Analysis Start date**	30/03/2021
Sample Collected By	Party	**Analysis End date**	02/04/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.77	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1935	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.40	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1258	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	760	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	188	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	69.6	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	44.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11	Total Alkalinity as CaCO3	mg/lit	455	≤200	IS3025(Part-23)RA 2009
12.	Sulphate as SO_4^2	mg/lit	55.2	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	6.03	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-987/2021-22
		Report Date	03/04/2021
		Inward No	3-453
		Inward Date	28/03/2021
Sample Detail	Well Water West Side Shri. Ganesh Borage	Analysis Start date	30/03/2021
Sample Collected By	Party	Analysis End date	02/04/2021
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	1.01	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2287	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.35	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1487	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	430	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	116	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	33.6	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	203	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11	Total Alkalinity as CaCO3	mg/lit	821	≤200	IS3025(Part-23)RA 2009
12.	Sulphate as SO_4^2	mg/lit	8.81	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	9.53	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-988/2021-22
		Report Date	03/04/2021
		Inward No	3-454
		Inward Date	28/03/2021
Sample Detail	Well Water North Side shri. Damu Dhobale	Analysis Start date	30/03/2021
Sample Collected By	Party	Analysis End date	02/04/2021
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.84	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1569	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	7.65	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1020	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	550	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	128	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	55.2	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	104	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11	Total Alkalinity as CaCO3	mg/lit	322	≤200	IS3025(Part-23)RA 2009
12.	Sulphate as SO_4^2	mg/lit	30.7	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	8.31	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-989/2021-22
		Report Date	03/04/2021
		Inward No	3-455
		Inward Date	28/03/2021
Sample Detail	Well Water South Side Shri Shivaji Pande	**Analysis Start date**	30/03/2021
Sample Collected By	Party	**Analysis End date**	02/04/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.97	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1980	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.53	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1287	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	760	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	156	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	88.8	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	248	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11	Total Alkalinity as CaCO3	mg/lit	388	≤200	IS3025(Part-23)RA 2009
12.	Sulphate as SO_4^2	mg/lit	24.9	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	5.89	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/39-990/2021-22
		Report Date	03/04/2021
		Inward No	3-456
		Inward Date	28/03/2021
Sample Detail	Borewell Near KarkhanaShri. Somnath Sable	**Analysis Start date**	30/03/2021
Sample Collected By	Party	**Analysis End date**	02/04/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.96	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1343	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.82	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	873	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Total Hardness as CaCO3	mg/lit	450	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
8.	Calcium as Ca	mg/lit	80.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	60.0	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
10.	Chlorides as Cl	mg/lit	49.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
11	Total Alkalinity as CaCO3	mg/lit	422	≤200	IS3025(Part-23)RA 2009
12.	Sulphate as SO_4^{2}	mg/lit	44.4	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	7.96	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Aishwarya

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/40-315/2021-22
		Report Date	30/04/2021
		Inward No	4-316
		Inward Date	23/04/2021
Sample Detail	Borewell Water- Balshriram waval South west	Analysis Start date	24/04/2021
Sample Collected By	Party	Analysis End date	28/04/2021
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	1.08	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	10230	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	7.78	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	925	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	79.4	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	378	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	540	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	160	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	33.6	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	12.2	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	8.70	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/40-316/2021-22
		Report Date	30/04/2021
		Inward No	4-317
		Inward Date	23/04/2021
Sample Detail	Well water-Sakharam take south west	Analysis Start date	24/04/2021
Sample Collected By	Party	Analysis End date	28/04/2021
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.95	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	2707	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.21	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	307	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	29.7	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	157	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	140	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	24.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	19.2	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	5.94	≤200	APHA-23rd Edition 2017-E-SO_4^2
13	Nitrate as NO_3	mg/lit	1.38	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT			Page 1 of 1
NAME OF COMPANY& ADDRESS:		Report No	AL/TR/40-317/2021-22
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	30/04/2021
Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. – Pune-412406		Inward No	4-318
		Inward Date	23/04/2021
Sample Detail	Well water-Sunil Pingale South East	Analysis Start date	24/04/2021
Sample Collected By	Party	Analysis End date	28/04/2021
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.97	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	9026	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.48	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	941	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	99.2	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	535	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	400	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	92.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	40.8	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	6.78	≤200	APHA-23rd Edition 2017-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	2.70	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/40-318/2021-22
		Report Date	30/04/2021
		Inward No	4-319
		Inward Date	23/04/2021
Sample Detail	Well Water-Kisan Walse North West	Analysis Start date	24/04/2021
Sample Collected By	Party	Analysis End date	28/04/2021
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.96	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	8173	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	7.32	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	786	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	64.5	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	315	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	430	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	68.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	62.4	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	27.1	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	6.12	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

TEST REPORT			Page 1 of 1
NAME OF COMPANY& ADDRESS:		**Report No**	AL/TR/40-319/2021-22
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		**Report Date**	30/04/2021
Dattatraynagar, Pargaon Village-Awasari Bk. Tal.- Ambegaon, Dist. – Pune-412406		**Inward No**	4-320
		Inward Date	23/04/2021
Sample Detail	Well water-Vijay Walse North East	**Analysis Start date**	24/04/2021
Sample Collected By	Party	**Analysis End date**	28/04/2021
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity @ 25°C	NTU	0.94	≤1.0	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	7268	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	7.85	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	639	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	69.5	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	273	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	350	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	48.0	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	55.2	≤30.0	APHA 23rd Edition 2017 3500-Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	26.6	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	6.81	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	BDL	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15.	Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN Index/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	CFU/ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
- **Sample will be preserve for seven days after analysis.**
- **Above analysis results are related to its testing.**
- **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.**

Authorized Signatory

...End of test report...

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

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT			Page 1 of 1
NAME OF COMPANY:- **M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report No**	AL/TR/57-301/20-21
		Report Date	07/12/2020
		Inward No	AL/6-855/09/20-21
		Inward Date	28/11/2020
Sample Location	Company Premises	**Sampling Time**	03:00 PM To 03:30 PM
Sample Collected By	AARL	**Time duration**	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A.	**Outside of Shop**				
1.	Near Guest house	dB(A)	58.3	≤ 75 dB(A)	IS 4758-1968 (PART 10) RA 2002
2.	Near Sugar Godaun	dB(A)	60.2		
B.	**Inside of Shop**				
3.	Near New Boiler	dB(A)	73.4	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
4.	Near Old Boiler Id fan	dB(A)	86.7		
5.	Sugar House	dB(A)	53.7		
6.	Near Old Boiler	dB(A)	72.9		

REMARK,OPINION & INTERPRITATION-

- **All above results are within limits as per MPCB Consent & The Factories Act 1948, standards.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/57-944/20-21
		Report Date	08/01/2021
		Inward No	AL/6-905/09/20-21
		Inward Date	30/12/2020
Sample Location	Company Premises	**Sampling Time**	02:00 PM To 02:30 PM
Sample Collected By	AARL	**Time duration**	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A.	**Outside of Shop**				
1.	Near Kondoba Mandir	dB(A)	65.9	≤ 75 dB(A)	IS 4758-1968 (PART 10) RA 2002
2.	Near Bas Stop	dB(A)	60.2		
B.	**Inside of Shop**				
3.	Near Spray Pond	dB(A)	68.2	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
4.	Near centrifugal section	dB(A)	71.2		
5.	Near Old Boiler	dB(A)	70.1		
6.	Near New Boiler	dB(A)	72.3		

REMARK,OPINION & INTERPRITATION-

- **All above results are within limits as per MPCB Consent & The Factories Act 1948, standards.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT

NAME OF COMPANY:-		**Report No**	AL/TR/58-239/20-21
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon,Dist. – Pune-412 406		**Report Date**	04/02/2021
		Inward No	AL/6-929/09/20-21
		Inward Date	25/01/2021
Sample Location	Company Premises	**Sampling Time**	01:00PM To01:30 PM
Sample Collected By	AARL	**Time duration**	30Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A.	**Outside of Shop**				
1.	Near Khandoba Mandir	dB(A)	65.0	≤ 75 dB(A)	IS 4758-1968 (PART 10) RA 2002
2.	Near Bas Stop	dB(A)	62.5		
B.	**Inside of Shop**				
3.	Near Spray Pond	dB(A)	64.2	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
4.	Near centrifugal section	dB(A)	78.2		
5.	Near Old Boiler	dB(A)	77.9		

REMARK,OPINION & INTERPRITATION-

- **All above results are within limits as per MPCB Consent The Factories Act 1948, standards.**

Aishwarya.

Verified by
(Analyst)

Cipul

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/58-597/20-21
		Report Date	03/03/2021
		Inward No	AL/6-960/09/20-21
		Inward Date	22/02/2021
Sample Location	Company Premises	**Sampling Time**	03:00PM To 03:30 PM
Sample Collected By	AARL	**Time duration**	30Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A.	**Outside of Shop**				
1.	Near Khandoba Mandir	dB(A)	63.2	≤ 75 dB(A)	IS 4758-1968 (PART 10) RA 2002
2.	Near Bas Stop	dB(A)	65.7		
B.	**Inside of Shop**				
3.	Near Spray Pond	dB(A)	66.9	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
4.	Near centrifugal section	dB(A)	75.4		
5.	Near Old Boiler	dB(A)	83.4		
6.	Near New Boiler	dB(A)	76.2		

REMARK,OPINION & INTERPRITATION-

- **All above results are within limits as per MPCB Consent The Factories Act 1948, standards.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

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/59-243/21-22
		Report Date	05/04/2021
		Inward No	AL/7-20/09/21-22
		Inward Date	28/03/2021
Sample Location	Company Premises	**Sampling Time**	02:30PM To 03:00 PM
Sample Collected By	AARL	**Time duration**	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A.	**Outside of Shop**				
1.	Near Sakhar shala	dB(A)	61.2	≤ 75 dB(A)	IS 4759-1968 (PART 10) RA 2002
2.	Near College	dB(A)	58.4		
B.	**Inside of Shop**				
3.	Near Boiling house	dB(A)	88.0	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
4.	Near Work Shop	dB(A)	86.9		
5.	Near Mill House	dB(A)	87.4		

REMARK,OPINION & INTERPRITATION-

- **All above results are within limits as per MPCB Consent The Factories Act 1948, standards.**

Verified by
(Analyst)

Authorized Signatory

...End of test report...

AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- ISO 9001 : 2015 Certified Organization
- ISO 45001 : 2018 Certified Organization

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/59-472/21-22
		Report Date	30/04/2021
		Inward No	AL/7-39/09/21-22
		Inward Date	22/04/2021
Sample Location	Company Premises	**Sampling Time**	04:00 PM To 04:30 PM
Sample Collected By	AARL	**Time duration**	30 Min

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A.	**Outside of Shop**				
1.	Near Sakhar shala	dB(A)	61.3	≤ 75 dB(A)	IS 4759-1968 (PART 10) RA 2002
2.	Near Guest	dB(A)	60.2		
B.	**Inside of Shop**				
3.	Boiler No-1	dB(A)	85.6	≤ 90 dB(A)	IS 9989-1981 (RA 2001)
4.	Mill Section	dB(A)	87.8		
5.	Sugar House	dB(A)	71.2		
6.	Spray pond	dB(A)	78.4		

REMARK,OPINION & INTERPRITATION-

- **All above results are within limits as per MPCB Consent The Factories Act 1948, standards.**

Authorized Signatory

...End of test report...

November-2020

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/11/2020 00:00
To Date	30/11/2020 23:59
Interval	Daily
Function	Average
Plant	BSSK
Analyzer	STACK1
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

17/11/2020 00:00	60 < M
18/11/2020 00:00	60 M
19/11/2020 00:00	60 M
20/11/2020 00:00	60 M
21/11/2020 00:00	60 M
22/11/2020 00:00	60 M
23/11/2020 00:00	60 M
24/11/2020 00:00	60 M
25/11/2020 00:00	60 M
26/11/2020 00:00	60 M
27/11/2020 00:00	60 M
28/11/2020 00:00	60 M
29/11/2020 00:00	60 M
30/11/2020 00:00	60 M
Average	60
Geom.Mean	60
Maximum	60
Median	60
Minimum	60
Mode	60
Std.Deviation	0
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/11/2020 00:00
To Date	30/11/2020 23:59
Interval	Daily
Function	Average

Plant	BSSK
Analyzer	STACK2
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

17/11/2020 00:00	90.64	<	M
18/11/2020 00:00	90.98	<	M
19/11/2020 00:00	73.25	<	M
20/11/2020 00:00	72		M
21/11/2020 00:00	72		M
22/11/2020 00:00	72		M
23/11/2020 00:00	72		M
24/11/2020 00:00	72		M
25/11/2020 00:00	72		M
26/11/2020 00:00	72		M
27/11/2020 00:00	72		M
28/11/2020 00:00	72		M
29/11/2020 00:00	72		M
30/11/2020 00:00	72		M
Average	74.8		
Geom.Mean	74.5		
Maximum	91		
Median	72		
Minimum	72		
Mode	72		
Std.Deviation	6.8		
Total Active Duration			

December-2020

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/12/2020 00:00
To Date	31/12/2020 23:59
Interval	Daily
Function	Average
Plant	BSSK
Analyzer	STACK1
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/12/2020 00:00	60 < M
02/12/2020 00:00	60 M
03/12/2020 00:00	60 M
04/12/2020 00:00	60 M
05/12/2020 00:00	60 M
06/12/2020 00:00	60 M
07/12/2020 00:00	60 M
08/12/2020 00:00	60 M
09/12/2020 00:00	60 M
10/12/2020 00:00	60 M
11/12/2020 00:00	60 M
12/12/2020 00:00	60 M
13/12/2020 00:00	60 M
14/12/2020 00:00	59.94 M
15/12/2020 00:00	60 M
16/12/2020 00:00	60 M
17/12/2020 00:00	60 M
18/12/2020 00:00	60 M
19/12/2020 00:00	60 M
20/12/2020 00:00	60 M
21/12/2020 00:00	60 M
22/12/2020 00:00	60 M
23/12/2020 00:00	59.98 M
24/12/2020 00:00	60 M
25/12/2020 00:00	60 M
26/12/2020 00:00	60 M
27/12/2020 00:00	60 M
28/12/2020 00:00	60 M
29/12/2020 00:00	60 M
30/12/2020 00:00	60 M
31/12/2020 00:00	60 M
Average	60
Geom.Mean	60
Maximum	60
Median	60
Minimum	59.9
Mode	60
Std.Deviation	0

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/12/2020 00:00
To Date	31/12/2020 23:59
Interval	Daily
Function	Average

Plant	BSSK
Analyzer	STACK2
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/12/2020 00:00	72	M
02/12/2020 00:00	72	M
03/12/2020 00:00	72	M
04/12/2020 00:00	72	M
05/12/2020 00:00	72	M
06/12/2020 00:00	72	M
07/12/2020 00:00	72	M
08/12/2020 00:00	72	M
09/12/2020 00:00	72	M
10/12/2020 00:00	72	M
11/12/2020 00:00	72	M
12/12/2020 00:00	72	M
13/12/2020 00:00	72	M
14/12/2020 00:00	72	M
15/12/2020 00:00	72	M
16/12/2020 00:00	72	M
17/12/2020 00:00	72	M
18/12/2020 00:00	72	M
19/12/2020 00:00	72	M
20/12/2020 00:00	72	M
21/12/2020 00:00	72	M
22/12/2020 00:00	72	M
23/12/2020 00:00	72	M
24/12/2020 00:00	72	M
25/12/2020 00:00	72	M
26/12/2020 00:00	72	M
27/12/2020 00:00	72	M
28/12/2020 00:00	72	M
29/12/2020 00:00	72	M
30/12/2020 00:00	72	M
31/12/2020 00:00	72	M
Average	72	
Geom.Mean	72	
Maximum	72	
Median	72	
Minimum	72	
Mode	72	
Std.Deviation	0	

January-2021

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/01/2021 00:00
To Date	31/01/2021 23:59
Interval	Daily
Function	Average
Plant	BSSK
Analyzer	STACK1
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/01/2021 00:00	60 M
02/01/2021 00:00	60 M
03/01/2021 00:00	60 M
04/01/2021 00:00	60 M
05/01/2021 00:00	60 M
06/01/2021 00:00	60 M
07/01/2021 00:00	60 M
08/01/2021 00:00	60 M
09/01/2021 00:00	60 M
10/01/2021 00:00	60 M
11/01/2021 00:00	60 M
12/01/2021 00:00	60
13/01/2021 00:00	60 M
14/01/2021 00:00	60
15/01/2021 00:00	60 M
16/01/2021 00:00	60
17/01/2021 00:00	60
18/01/2021 00:00	60
19/01/2021 00:00	60
20/01/2021 00:00	60 M
21/01/2021 00:00	51.5 M
22/01/2021 00:00	60 M
23/01/2021 00:00	60
24/01/2021 00:00	60
25/01/2021 00:00	60
26/01/2021 00:00	60
27/01/2021 00:00	60 M
28/01/2021 00:00	60 M
29/01/2021 00:00	60 M
30/01/2021 00:00	60 < M
31/01/2021 00:00	60 < M
Average	59.7
Geom.Mean	59.7
Maximum	60
Median	60
Minimum	51.5
Mode	60
Std.Deviation	1.5

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/01/2021 00:00
To Date	31/01/2021 23:59
Interval	Daily
Function	Average

Plant	BSSK
Analyzer	STACK2
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/01/2021 00:00	72	M
02/01/2021 00:00	72	M
03/01/2021 00:00	72	M
04/01/2021 00:00	72	M
05/01/2021 00:00	72	M
06/01/2021 00:00	72	M
07/01/2021 00:00	72	M
08/01/2021 00:00	72	M
09/01/2021 00:00	72	M
10/01/2021 00:00	72	M
11/01/2021 00:00	72	M
12/01/2021 00:00	72	M
13/01/2021 00:00	72	M
14/01/2021 00:00	72	M
15/01/2021 00:00	72	M
16/01/2021 00:00	72 <	M
17/01/2021 00:00	71.92 <	M
18/01/2021 00:00	72	M
19/01/2021 00:00	72	M
20/01/2021 00:00	72	M
21/01/2021 00:00	61.64	M
22/01/2021 00:00	66.92	M
23/01/2021 00:00	72	M
24/01/2021 00:00	72	M
25/01/2021 00:00	72	M
26/01/2021 00:00	72	M
27/01/2021 00:00	72	M
28/01/2021 00:00	72	M
29/01/2021 00:00	72	M
30/01/2021 00:00	72 <	M
31/01/2021 00:00	72 <	M
Average	71.5	
Geom.Mean	71.5	
Maximum	72	
Median	72	
Minimum	61.6	
Mode	72	
Std.Deviation	2	

February-2021

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/02/2021 00:00
To Date	28/02/2021 23:59
Interval	Daily
Function	Average

Plant	BSSK
Analyzer	STACK1
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/02/2021 00:00	60 M
02/02/2021 00:00	60 M
03/02/2021 00:00	60 M
04/02/2021 00:00	60 M
05/02/2021 00:00	60 M
06/02/2021 00:00	60 M
07/02/2021 00:00	60 M
08/02/2021 00:00	60 < M
09/02/2021 00:00	60 M
10/02/2021 00:00	59.95 < M
11/02/2021 00:00	60 < M
12/02/2021 00:00	60 M
13/02/2021 00:00	60 M
14/02/2021 00:00	60 M
15/02/2021 00:00	60 M
16/02/2021 00:00	60 M
17/02/2021 00:00	60 M
18/02/2021 00:00	60 M
19/02/2021 00:00	60 M
20/02/2021 00:00	60 M
21/02/2021 00:00	60 M
22/02/2021 00:00	60 M
23/02/2021 00:00	60 M
24/02/2021 00:00	60 M
25/02/2021 00:00	60 M
26/02/2021 00:00	60 M
27/02/2021 00:00	60 M
28/02/2021 00:00	60 M
Average	60
Geom.Mean	60
Maximum	60
Median	60
Minimum	59.9
Mode	60
Std.Deviation	0
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/02/2021 00:00
To Date	28/02/2021 23:59
Interval	Daily
Function	Average

Plant	BSSK
Analyzer	STACK2
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/02/2021 00:00	72 M
02/02/2021 00:00	72 M
03/02/2021 00:00	71.92 M
04/02/2021 00:00	72 M
05/02/2021 00:00	72 M
06/02/2021 00:00	71.93 < M
07/02/2021 00:00	72 M
08/02/2021 00:00	72 M
09/02/2021 00:00	72 M
10/02/2021 00:00	72 M
11/02/2021 00:00	72 < M
12/02/2021 00:00	72 M
13/02/2021 00:00	72 M
14/02/2021 00:00	72 M
15/02/2021 00:00	71.95 M
16/02/2021 00:00	72 M
17/02/2021 00:00	72 M
18/02/2021 00:00	72 M
19/02/2021 00:00	72 M
20/02/2021 00:00	72 M
21/02/2021 00:00	72 M
22/02/2021 00:00	72 M
23/02/2021 00:00	72 M
24/02/2021 00:00	72 M
25/02/2021 00:00	72 M
26/02/2021 00:00	72 M
27/02/2021 00:00	72 M
28/02/2021 00:00	72 M
Average	72
Geom.Mean	72
Maximum	72
Median	72
Minimum	71.9
Mode	72
Std.Deviation	0
Total Active Duration	

March-2021

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/03/2021 00:00
To Date	31/03/2021 23:59
Interval	Daily
Function	Average
Plant	BSSK
Analyzer	STACK1
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/03/2021 00:00	60 M
02/03/2021 00:00	60 M
03/03/2021 00:00	49.44 M
04/03/2021 00:00	56.76
05/03/2021 00:00	60
06/03/2021 00:00	60 M
07/03/2021 00:00	60 M
08/03/2021 00:00	60 M
09/03/2021 00:00	60 M
10/03/2021 00:00	60 M
11/03/2021 00:00	60 M
12/03/2021 00:00	60 M
13/03/2021 00:00	60 M
14/03/2021 00:00	60 M
15/03/2021 00:00	60 M
16/03/2021 00:00	60 M
17/03/2021 00:00	60 M
18/03/2021 00:00	60 M
19/03/2021 00:00	60 < M
20/03/2021 00:00	60 M
21/03/2021 00:00	60 M
22/03/2021 00:00	60 M
23/03/2021 00:00	60 M
24/03/2021 00:00	60 < M
25/03/2021 00:00	60 M
26/03/2021 00:00	60 M
27/03/2021 00:00	60 M
28/03/2021 00:00	60 M
29/03/2021 00:00	59.96 M
30/03/2021 00:00	60 M
31/03/2021 00:00	60 M
Average	59.6
Geom.Mean	59.5
Maximum	60
Median	60
Minimum	49.4
Mode	60
Std.Deviation	2

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/03/2021 00:00
To Date	31/03/2021 23:59
Interval	Daily
Function	Average

Plant	BSSK
Analyzer	STACK2
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/03/2021 00:00	72 M
02/03/2021 00:00	72 M
03/03/2021 00:00	56.96 M
04/03/2021 00:00	67.87 M
05/03/2021 00:00	72 < M
06/03/2021 00:00	72 M
07/03/2021 00:00	72 M
08/03/2021 00:00	72 M
09/03/2021 00:00	72 M
10/03/2021 00:00	72 M
11/03/2021 00:00	72 < M
12/03/2021 00:00	72 M
13/03/2021 00:00	72 M
14/03/2021 00:00	72 M
15/03/2021 00:00	72 M
16/03/2021 00:00	71.92 M
17/03/2021 00:00	72 M
18/03/2021 00:00	71.95 M
19/03/2021 00:00	72 < M
20/03/2021 00:00	72 < M
21/03/2021 00:00	71.97 M
22/03/2021 00:00	72 M
23/03/2021 00:00	71.92 M
24/03/2021 00:00	72 < M
25/03/2021 00:00	72 M
26/03/2021 00:00	72 M
27/03/2021 00:00	72 M
28/03/2021 00:00	72 M
29/03/2021 00:00	72 M
30/03/2021 00:00	72 M
31/03/2021 00:00	72 < M
Average	71.4
Geom.Mean	71.3
Maximum	72
Median	72
Minimum	57
Mode	72
Std.Deviation	2.8

April-2021

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/04/2021 00:00
To Date	30/04/2021 23:59
Interval	Daily
Function	Average

Plant	BSSK
Analyzer	STACK1
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/04/2021 00:00	60 M
02/04/2021 00:00	60 M
03/04/2021 00:00	60 M
04/04/2021 00:00	60 M
05/04/2021 00:00	60 M
06/04/2021 00:00	60 M
07/04/2021 00:00	60 M
08/04/2021 00:00	60 M
09/04/2021 00:00	60 M
10/04/2021 00:00	60 M
11/04/2021 00:00	60 M
12/04/2021 00:00	60 M
13/04/2021 00:00	60 M
14/04/2021 00:00	60 M
15/04/2021 00:00	60 M
16/04/2021 00:00	60 M
17/04/2021 00:00	60 M
18/04/2021 00:00	60 M
19/04/2021 00:00	60 M
20/04/2021 00:00	60 M
21/04/2021 00:00	59.94 M
22/04/2021 00:00	60 M
23/04/2021 00:00	60 M
24/04/2021 00:00	60 M
25/04/2021 00:00	60 M
26/04/2021 00:00	60 M
27/04/2021 00:00	60 M
28/04/2021 00:00	60 M
29/04/2021 00:00	60 M
30/04/2021 00:00	60 M
Average	60
Geom.Mean	60
Maximum	60
Median	60
Minimum	59.9
Mode	60
Std.Deviation	0
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/04/2021 00:00
To Date	30/04/2021 23:59
Interval	Daily
Function	Average

Plant	BSSK
Analyzer	STACK2
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/04/2021 00:00	72	< M
02/04/2021 00:00	72	M
03/04/2021 00:00	71.92	M
04/04/2021 00:00	72	M
05/04/2021 00:00	72	M
06/04/2021 00:00	72	M
07/04/2021 00:00	72	M
08/04/2021 00:00	72	M
09/04/2021 00:00	72	M
10/04/2021 00:00	72	M
11/04/2021 00:00	72	M
12/04/2021 00:00	72	M
13/04/2021 00:00	72	M
14/04/2021 00:00	72	< M
15/04/2021 00:00	72	M
16/04/2021 00:00	71.97	M
17/04/2021 00:00	72	M
18/04/2021 00:00	72	M
19/04/2021 00:00	72	M
20/04/2021 00:00	72	M
21/04/2021 00:00	71.95	M
22/04/2021 00:00	72	M
23/04/2021 00:00	72	M
24/04/2021 00:00	72	M
25/04/2021 00:00	72	M
26/04/2021 00:00	72	M
27/04/2021 00:00	72	M
28/04/2021 00:00	72	M
29/04/2021 00:00	72	M
30/04/2021 00:00	72	M
Average	72	
Geom.Mean	72	
Maximum	72	
Median	72	
Minimum	71.9	
Mode	72	
Std.Deviation	0	
Total Active Duration		

May-2021

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/05/2021 00:00
To Date	31/05/2021 23:59
Interval	Daily
Function	Average
Plant	BSSK
Analyzer	STACK1
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/05/2021 00:00	60	M
02/05/2021 00:00	60	M
03/05/2021 00:00	60	M
04/05/2021 00:00	60	M
05/05/2021 00:00	60	M
06/05/2021 00:00	60	M
07/05/2021 00:00	60	M
08/05/2021 00:00	60	M
09/05/2021 00:00	60	M
10/05/2021 00:00	60 <	M
Average	60	
Geom.Mean	60	
Maximum	60	
Median	60	
Minimum	60	
Mode	60	
Std.Deviation	0	
Total Active Duration		

EnvircConnect Forbes Marshall Multi Station Report

From Date	01/05/2021 00:00
To Date	31/05/2021 23:59
Interval	Daily
Function	Average
Plant	BSSK
Analyzer	STACK2
Parameter	PM
Unit	mg/Nm3
Limit	0.00 - 150.00

01/05/2021 00:00	72	M
02/05/2021 00:00	71.97	M
03/05/2021 00:00	72 <	M
04/05/2021 00:00	72	M
05/05/2021 00:00	72	M
06/05/2021 00:00	72 <	M
07/05/2021 00:00	72	M
08/05/2021 00:00	71.83 <	M
09/05/2021 00:00	71.96 <	M
10/05/2021 00:00	72 <	M
Average	72	
Geom.Mean	72	
Maximum	72	
Median	72	
Minimum	71.8	
Mode	72	
Std.Deviation	0.1	
Total Active Duration		

November - 2020

EnviroConnect Forbes Marshall Multi Station Report

From Date 01/11/2020 00:00
To Date 30/11/2020 23:59
Interval Daily
Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 9.00	0.00 - 100.00
17/11/2020 00:00	27.36 <	43.88 <	6.32 <	0 <
18/11/2020 00:00	26.1	42.91	6.56	0
19/11/2020 00:00	24.01	44.43	6.83	7.78
20/11/2020 00:00	24.33	45	6.56	6.94
21/11/2020 00:00	24.5	45.3	6.47	3.48
22/11/2020 00:00	23.66	43.69	6.46	3.62 B
23/11/2020 00:00	23.48	43.3	6.43	2.84
24/11/2020 00:00	23.42	43.18	6.42	0
25/11/2020 00:00	23.24	42.79	6.42	1.27
26/11/2020 00:00	24.21	44.64	6.48	0
27/11/2020 00:00	25.03	46.23	6.53	0.2
28/11/2020 00:00	24.58	45.4	6.56	0
29/11/2020 00:00	24.09	44.51	6.55	0
30/11/2020 00:00	23.91	44.14	6.53	4.65
Average	24.4	44.2	6.5	2.2
Geom.Mean	24.4	44.2	6.5	1.3
Maximum	27.4	46.2	6.8	7.8
Median	24.2	44.3	6.5	0.7
Minimum	23.2	42.8	6.3	0
Mode	24.6	43.7	6.5	0
Std.Deviation	1.1	1	0.1	2.7
Total Active Duration				

December-20

EnviroConnect Forbes Marshall Multi Station Report

From Date 01/12/2020 00:00
To Date 31/12/2020 23:59
Interval Daily
Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01/12/2020 00:00	23.65	43.64	6.54	2.47
02/12/2020 00:00	23.67	43.69	6.58	1.54
03/12/2020 00:00	23.5	43.3	6.6	1.58
04/12/2020 00:00	23.58	43.42	6.62	6.3
05/12/2020 00:00	23.83	43.95	6.67	4.56
06/12/2020 00:00	23.51	43.27	6.69	3.69
07/12/2020 00:00	23.88	43.99	6.67	2.53
08/12/2020 00:00	24.61	45.42	6.61	2.83
09/12/2020 00:00	24.87	45.9	6.61	1.74
10/12/2020 00:00	25.63	47.3	6.59	1.85
11/12/2020 00:00	25.16	46.44	6.63	0
12/12/2020 00:00	24.76	45.76	6.66	1.48
13/12/2020 00:00	24.64	45.49	6.68	0.05
14/12/2020 00:00	24.77	45.71	6.7	0
15/12/2020 00:00	24.67	45.54	6.68	0.03
16/12/2020 00:00	24.4	45.02	6.66	1.81
17/12/2020 00:00	24.42	45.06	6.55	1.07
18/12/2020 00:00	25.13	46.33	6.49	0.27
19/12/2020 00:00	25.62	47.23	6.35	0.45
20/12/2020 00:00	25.42	46.85	6.29	1.36 B
21/12/2020 00:00	25.63	47.33	6.48	0.47
22/12/2020 00:00	25.3	46.6	6.65	0
23/12/2020 00:00	25.05	46.16	6.64	0.27
24/12/2020 00:00	25.13	46.33	6.66	6.93 H
25/12/2020 00:00	25.27	46.58	6.56	3.01 HB
26/12/2020 00:00	25.31	46.64	6.56	6.43 BH
27/12/2020 00:00	25.21	46.48	6.74	8.04 H
28/12/2020 00:00	25.25	46.56	6.74	19.83 H
29/12/2020 00:00	25.4	46.84	6.75	39.58 HB
30/12/2020 00:00	25.7	47.4	6.75	28.58 H
31/12/2020 00:00	26.27	48.49	6.75	34.59 H
Average	24.8	45.8	6.6	5.9
Geom.Mean	24.8	45.7	6.6	2.1
Maximum	26.3	48.5	6.7	39.6
Median	25.1	46.2	6.6	1.8
Minimum	23.5	43.3	6.3	0
Mode	24.6	46.3	6.6	0
Std.Deviation	0.8	1.4	0.1	10.3

January-2021

EnviroConnect Forbes Marshall Multi Station Report

From Date 01/01/2021 00:00
To Date 31/01/2021 23:59
Interval Daily
Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01/01/2021 00:00	26.39	48.74	6.67	27.97
02/01/2021 00:00	26.39	48.75	6.63	34.27
03/01/2021 00:00	26.66	49.23	6.65	49.87 H
04/01/2021 00:00	26.97	49.72	6.64	38.96
05/01/2021 00:00	27.13	49.92	6.65	44.26
06/01/2021 00:00	27.26	50.11	6.65	45.1
07/01/2021 00:00	27.43	50.41	6.65	44.67
08/01/2021 00:00	27.87	51.28	6.64	45.98
09/01/2021 00:00	27.41	50.48	6.6	49.16
10/01/2021 00:00	26.87	49.61	6.59	44.9
11/01/2021 00:00	26.61	49.16	6.6	38.65
12/01/2021 00:00	26.49	48.94	6.6	37.21
13/01/2021 00:00	26.44	48.85	6.61	39.64 H
14/01/2021 00:00	26.9	49.63	6.62	38.96
15/01/2021 00:00	26.79	49.5	6.64	40.29 HB
16/01/2021 00:00	26.66	49.27	6.64	35.85
17/01/2021 00:00	26.92	49.66	6.57	66.05 HB
18/01/2021 00:00	25.86	47.73	6.52	81.77
19/01/2021 00:00	25.85	47.71	6.52	81.75
20/01/2021 00:00	25.85	47.69	6.52	81.75
21/01/2021 00:00	44.95	85.8	6.8	51.98
22/01/2021 00:00	74.03	144.2	7.47	13.72 H
23/01/2021 00:00	60.74	117.49	7.35	6.23 BH
24/01/2021 00:00	31.47	58.59	7.02	4.75
25/01/2021 00:00	29.49	54.52	6.86	17.98 HB
26/01/2021 00:00	27.73	51.03	6.76	4.66 H
27/01/2021 00:00	26.68	49.22	6.66	0.26
28/01/2021 00:00	26.69	49.28	6.62	0.86 B
29/01/2021 00:00	28.59	53.17 H	6.58	2.05 H
30/01/2021 00:00	26.42	48.73	6.53	4.78 H
31/01/2021 00:00	26.15	48.27	6.49	0
Average	30.2	56.3	6.7	34.7
Geom.Mean	29.2	54	6.7	21.3
Maximum	74	144.2	7.5	81.8
Median	26.9	49.6	6.6	39
Minimum	25.9	47.7	6.5	0
Mode	27.4	49.9	6.6	0
Std.Deviation	10.6	21.3	0.2	24.4

February - [illegible] 2021

EnviroConnect Forbes Marshall Multi Station Report

From Date 01/02/2021 00:00
To Date 28/02/2021 23:59
Interval Daily
Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01/02/2021 00:00	26.16	48.26	6.49	0
02/02/2021 00:00	26.16	48.25	6.49	0
03/02/2021 00:00	26.16	48.25	6.49	0
04/02/2021 00:00	26.16	48.24	6.49	0
05/02/2021 00:00	26.15	48.24	6.49	0
06/02/2021 00:00	26.15	48.23	6.49	0
07/02/2021 00:00	26.15	48.23	6.49	0
08/02/2021 00:00	26.14	48.18	6.49	0
09/02/2021 00:00	26.12	48.13	6.49	0
10/02/2021 00:00	26.12	48.14	6.49	0
11/02/2021 00:00	26.12	48.15	6.49	0
12/02/2021 00:00	26.11	48.13	6.49	0
13/02/2021 00:00	26.11	48.14	6.49	0
14/02/2021 00:00	26.12	48.17	6.49	0
15/02/2021 00:00	26.13	48.18	6.49	0
16/02/2021 00:00	26.14	48.2	6.49	0
17/02/2021 00:00	26.14	48.22	6.49	0
18/02/2021 00:00	26.14	48.22	6.49	0
19/02/2021 00:00	26.14	48.21	6.49	0
20/02/2021 00:00	26.15	48.2	6.49	0
21/02/2021 00:00	26.14	48.19	6.49	0
22/02/2021 00:00	26.14	48.22	6.49	0
23/02/2021 00:00	26.13	48.22	6.49	0
24/02/2021 00:00	26.11	48.2	6.49	0
25/02/2021 00:00	26.13	48.21	6.49	0
26/02/2021 00:00	26.13	48.2	6.49	0
27/02/2021 00:00	26.13	48.2	6.49	0
28/02/2021 00:00	26.14	48.23	6.5	0
Average	26.1	48.2	6.5	0
Geom.Mean	26.1	48.2	6.5 ?	
Maximum	26.2	48.3	6.5	0
Median	26.1	48.2	6.5	0
Minimum	26.1	48.1	6.5	0
Mode	26.2	48.2	6.5	0
Std.Deviation	0	0	0	0
Total Active Duration				

March 2021

EnviroConnect Forbes Marshall Multi Station Report

From Date 01/03/2021 00:00
To Date 31/03/2021 23:59
Interval Daily
Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01/03/2021 00:00	26.14	48.26	6.5	0
02/03/2021 00:00	26.14	48.24	6.5	0
03/03/2021 00:00	29.2	54.17	6.93 L	4.54
04/03/2021 00:00	29.9	55.38	7.14	1.47
05/03/2021 00:00	34.48	64.81	7.17	4.69
06/03/2021 00:00	39.58	75.29	7.1	3.87
07/03/2021 00:00	36.47	68.95	7.07	1.28
08/03/2021 00:00	34.16	64.17	7.33	1.3
09/03/2021 00:00	33.34	62.49	7.42	4.45
10/03/2021 00:00	31.96	59.24	7.38	5.38
11/03/2021 00:00	30.77	57.13	7.4	5.62
12/03/2021 00:00	30.81	57.22	7.41	5.28
13/03/2021 00:00	30.65	56.89	7.55	2.51
14/03/2021 00:00	30.69	56.98	7.51	2.9
15/03/2021 00:00	30.62	56.84	7.52	4.96 H
16/03/2021 00:00	30.58	56.73	7.51	0.74
17/03/2021 00:00	29.27	54.36	7.6	7.49
18/03/2021 00:00	30.98	57.58	7.7	1.64
19/03/2021 00:00	30.27	56.1	7.7	1.32
20/03/2021 00:00	30.25	56.04	7.7	1.11
21/03/2021 00:00	30.33	56.19	7.54	1.04
22/03/2021 00:00	30.12	55.75	7.46	1.8
23/03/2021 00:00	29.51 <	54.47 <	7.39 <	0 <
24/03/2021 00:00	31.36	58.38	7.34	4.09
25/03/2021 00:00	30.76	57.12	7.47	3
26/03/2021 00:00	30.5	56.56	7.73	6.5
27/03/2021 00:00	30.5	56.55	7.81	2.41
28/03/2021 00:00	30.95	57.51	7.94	3.85
29/03/2021 00:00	30.65	56.91	7.83	4.14
30/03/2021 00:00	30.4	56.32	7.74 L	1.33
31/03/2021 00:00	30.36	56.25	7.87	2.36
Average	31	57.7	7.4	2.9
Geom.Mean	30.9	57.5	7.4	2.7
Maximum	39.6	75.3	7.9	7.5
Median	30.6	56.8	7.5	2.5
Minimum	26.1	48.2	6.5	0
Mode	30.8	57	7.8	0
Std.Deviation	2.5	5.1	0.3	2

April-2021

EnviroConnect Forbes Marshall Multi Station Report

From Date 01/04/2021 00:00
To Date 30/04/2021 23:59
Interval Daily
Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 9.00	0.00 - 100.00
01/04/2021 00:00	30.32	56.17	7.84	0.81
02/04/2021 00:00	30.48	56.5	7.58	1.77
03/04/2021 00:00	31	57.62	7.55	2.06
04/04/2021 00:00	31.35	58.34	7.46	1.89
05/04/2021 00:00	31.11	57.83	7.58	2.92
06/04/2021 00:00	31.06	57.74	7.73	3.07
07/04/2021 00:00	31.12	57.36	8.1	2.78
08/04/2021 00:00	30.44	56.44	7.94	0.79
09/04/2021 00:00	31.05	57.71	7.63	7.34
10/04/2021 00:00	31.04	57.68	7.66	1.81
11/04/2021 00:00	31.88	59.45	7.42	2.83
12/04/2021 00:00	31.8	59.29	7.54	2.74
13/04/2021 00:00	31.67	59.03	7.6	2.53
14/04/2021 00:00	31.88	59.44	7.49	3.95
15/04/2021 00:00	32.07	59.83	7.21	2.6
16/04/2021 00:00	32.44	60.59	7.31	4.51
17/04/2021 00:00	32.17	60.06	7.51	5.57
18/04/2021 00:00	32.03	59.78	7.62	5.6
19/04/2021 00:00	31.93	59.54	7.75	2.93
20/04/2021 00:00	31.14	57.98	7.69	7.1
21/04/2021 00:00	31.5	58.65	7.72	4.11
22/04/2021 00:00	31.72	59.11	7.68	6.44
23/04/2021 00:00	31.86	59.4	7.51	5.39
24/04/2021 00:00	31.62	58.9	6.89	5.58
25/04/2021 00:00	31.65	58.95	6.88	5.45
26/04/2021 00:00	31.64	58.96	6.89	6.06
27/04/2021 00:00	31.73	59.12	7.11	5.44
28/04/2021 00:00	32.36	60.45	7.62	5.78
29/04/2021 00:00	31.74	59.17	7.75	8.13
30/04/2021 00:00	31.82	59.28	7.45	3.74
Average	31.5	58.7	7.5	4.1
Geom.Mean	31.5	58.7	7.5	3.5
Maximum	32.4	60.6	8.1	8.1
Median	31.7	59	7.6	3.8
Minimum	30.3	56.2	6.9	0.8
Mode	31.9	59.3	7.5	4
Std.Deviation	0.5	1.2	0.3	2
Total Active Duration				

May-2021

EnviroConnect Forbes Marshall Multi Station Report

From Date	01/05/2021 00:00
To Date	31/05/2021 23:59
Interval	Daily
Function	Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01/05/2021 00:00	31.94	59.54	7.54	2.57
02/05/2021 00:00	32.55	60.81	7.49	11.46 BH
03/05/2021 00:00	32.75	61.24	7.25	6.32
04/05/2021 00:00	32.86	61.26	7.44	7.82
05/05/2021 00:00	33.13	61.44	7.54	8.22
06/05/2021 00:00	33.7	63.25	7.55	7.49
07/05/2021 00:00	35.36	66.65	7.57	9.08
08/05/2021 00:00	34.47	64.84	7.47	8.7
09/05/2021 00:00	34.85	65.66	7.36	8.1
10/05/2021 00:00	33.94 <	63.73 <	7.31 <	7.04 <
Average	33.6	62.8	7.5	7.7
Geom.Mean	33.5	62.8	7.5	7.3
Maximum	35.4	66.6	7.6	11.5
Median	33.4	62.3	7.5	8
Minimum	31.9	59.5	7.3	2.6
Mode	33.7	59.5	7.3	6.3
Std.Deviation	1.1	2.3	0.1	2.3
Total Active Duration				