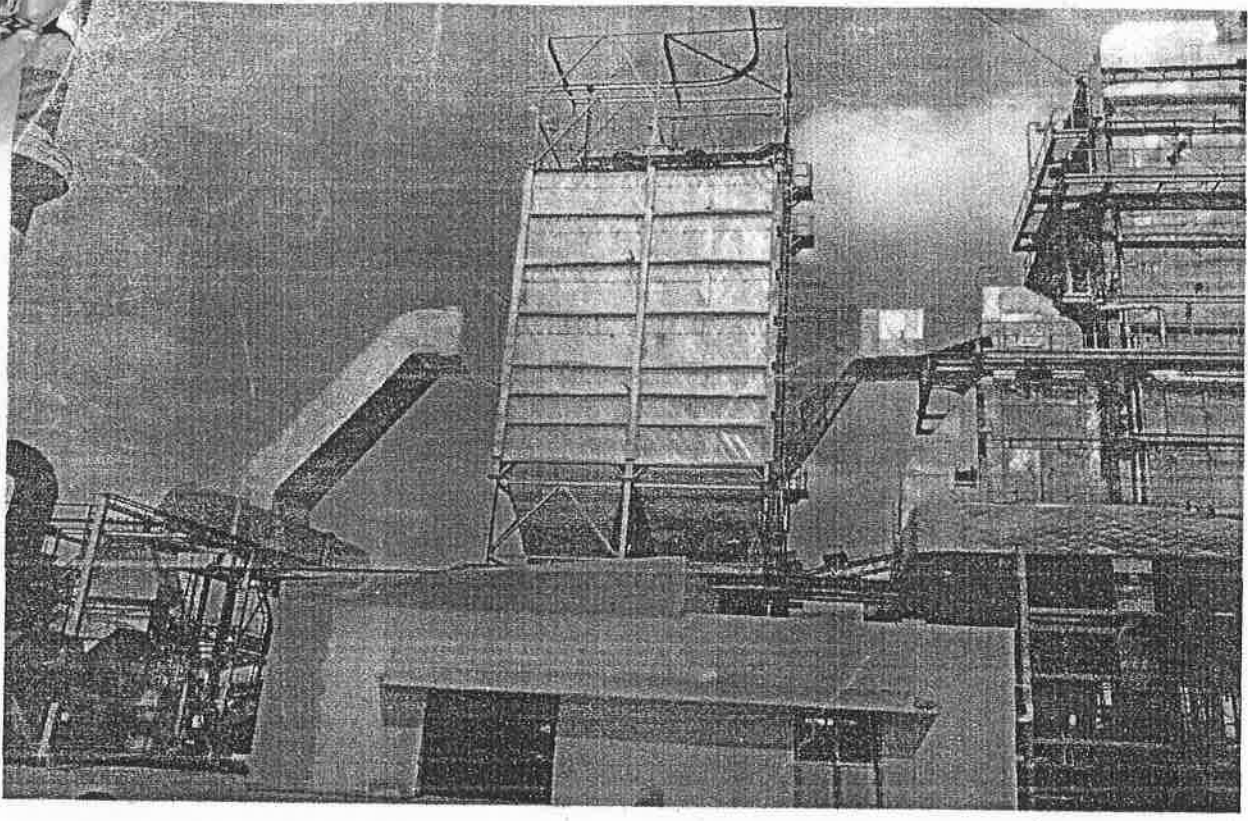
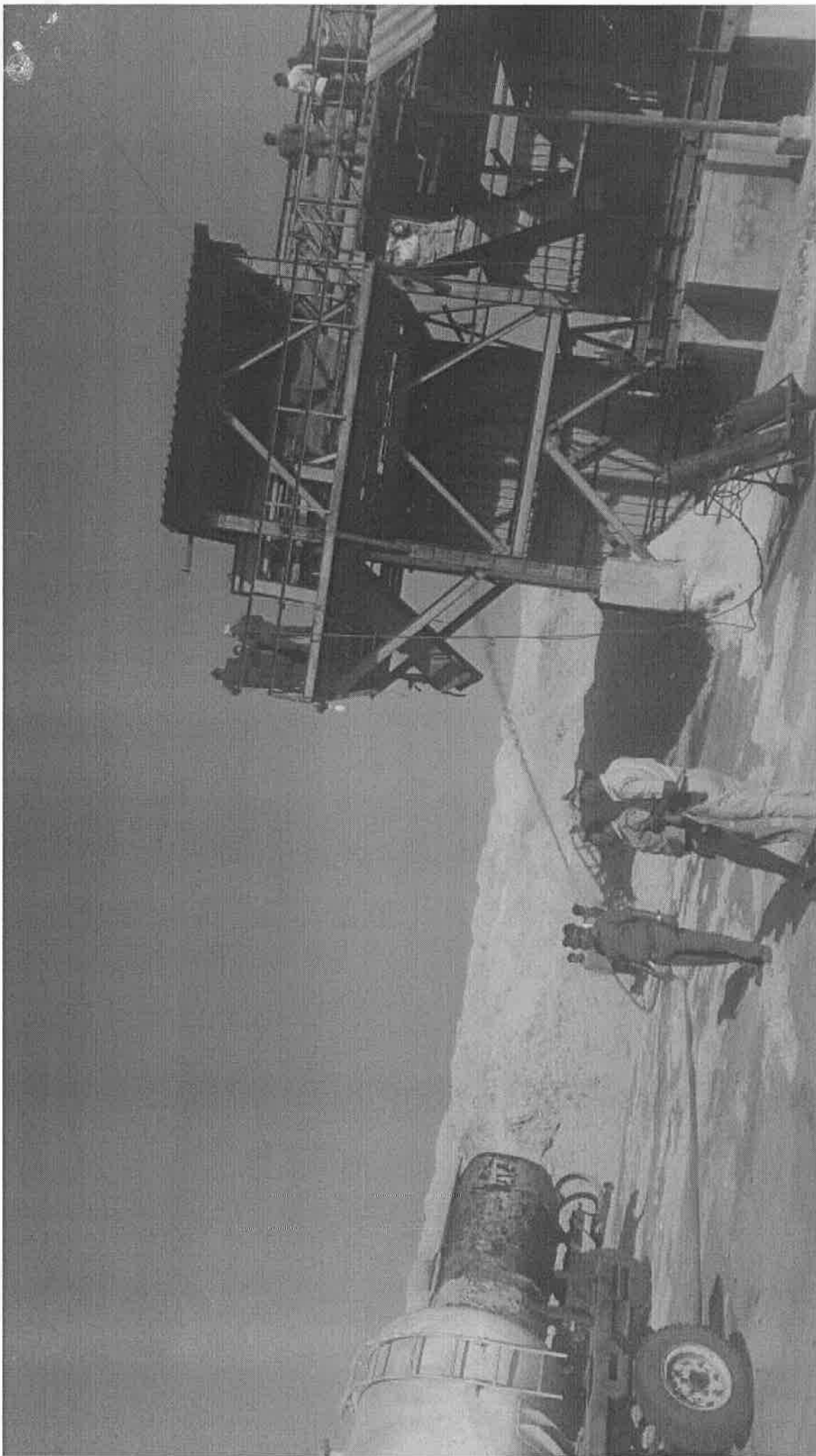


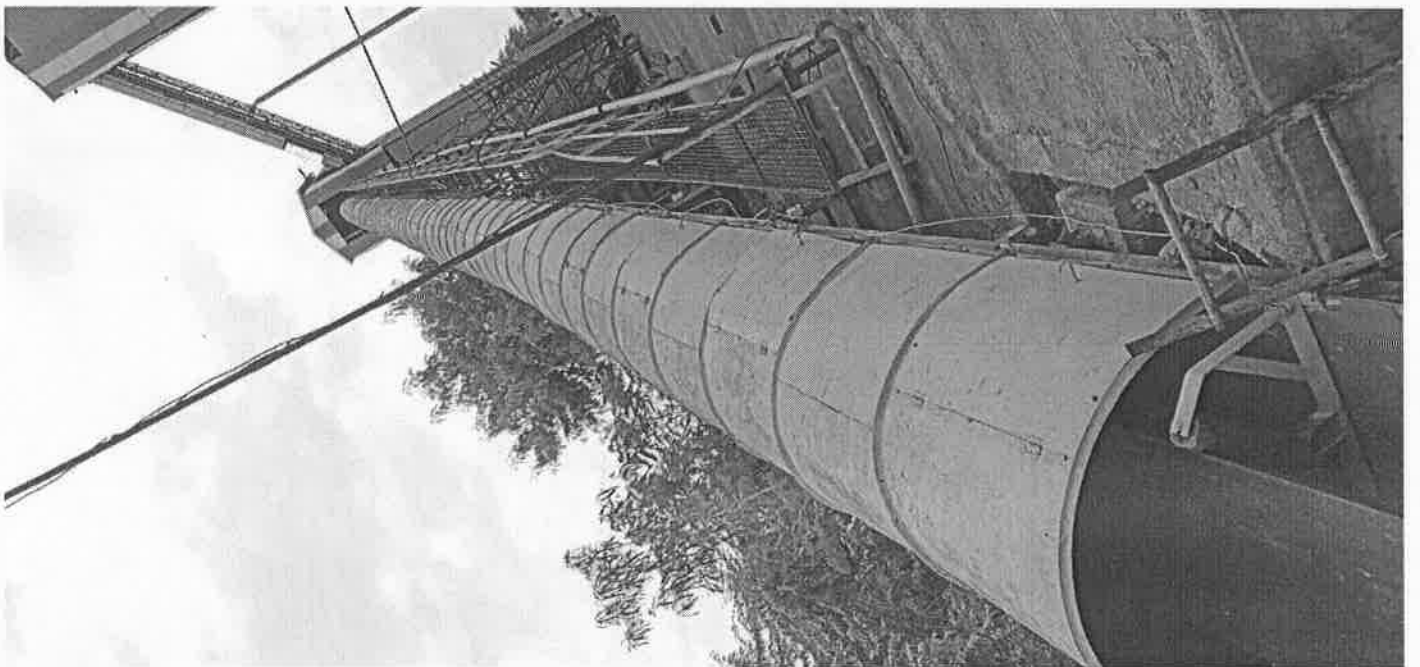
(Prevention
Union)
15







BAGASSE HANDLING SYSTEM
A 100 TPD BAGASSE HANDLING SYSTEM
Contracted by: [unreadable]
UTECH ENGG. WORKS (P) PVT. LTD.
Corporate Office: [unreadable]
Plant Office: [unreadable]





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ANALYSIS REPORTS FOR AMBIENT AIR QUALITY MONITORING.

NAME OF COMPANY: M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist - Pune-412 406		TR NO	AL/TR/AM/52-970/19-20
		DATE	23/12/2019
		INWARD NO.	AL/6-492/01/19-20
SAMPLE :-	COLLECTED BY	SAMPLE REF.	RECEIVED ON :
Ambient Air	AARL	Dnyaneshwar Raghunath Dhobale (East)	14/12/2019

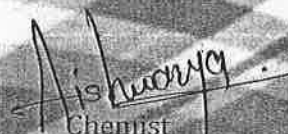
Sr. No.	Parameter	Unit	RESULT	Limits Max.
1.	Time duration	08 hrs.		
2.	Ambient Temperature	°C	29.1	---
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.42	80
4.	Oxides of Nitrogen (NO _x)	µg/m ³	8.68	80
5.	Particulate matter (PM ₁₀)	µg/m ³	50.6	100
6.	Particulate matter (PM _{2.5})	µg/m ³	15.4	60
7.	Ozone (O ₃)	µg/m ³	17.7	180
8.	Lead (Pb)	µg/m ³	Absent	1.0
9.	Carbon Monoxide (CO)	mg/m ³	0.48	04
10.	Ammonia as (NH ₃)	µg/m ³	Absent	400
11.	Benzene (C ₆ H ₆)	µg/m ³	Absent	05
12.	Benzo (a)Pyrene (BaP)	ng/m ³	BDL	01
13.	Arsenic (As)	ng/m ³	Absent	06
14.	Nickel (Ni)	ng/m ³	Absent	20

REMARKS / OBSERVATIONS:

All above results are within limits (NAAQS) National Ambient Air Quality Standards 2009.
BDL = Below Detectable Limit

For Akanksha Analytical & Research Lab


Authorized Signatory


Chemist



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ANALYSIS REPORTS FOR AMBIENT AIR QUALITY MONITORING

NAME OF COMPANY: M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		TR NO	AL/TR/AM/52-971/19-20
		DATE	23/12/2019
		INWARD NO.	AL/6-492/02/19-20
SAMPLE :-	COLLECTED BY	SAMPLE REF.	RECEIVED ON :
Ambient Air	AARL	Sandeep Popat Dhobale (North)	14/12/2019

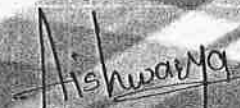
Sr. No.	Parameter	Unit	RESULT	Limits Max.
1.	Time duration	08 hrs.		
2.	Ambient Temperature	°C	29.5	---
3.	Sulphur Dioxide (SO ₂)	µg/m ³	7.74	80
4.	Oxides of Nitrogen (NO _x)	µg/m ³	6.68	80
5.	Particulate matter (PM ₁₀)	µg/m ³	52.4	100
6.	Particulate matter (PM _{2.5})	µg/m ³	14.9	60
7.	Ozone (O ₃)	µg/m ³	17.8	180
8.	Lead (Pb)	µg/m ³	Absent	1.0
9.	Carbon Monoxide (CO)	mg/m ³	0.50	04
10.	Ammonia as (NH ₃)	µg/m ³	Absent	400
11.	Benzene (C ₆ H ₆)	µg/m ³	Absent	05
12.	Benzo (a)Pyrene (BaP)	ng/m ³	BDL	01
13.	Arsenic (As)	ng/m ³	Absent	06
14.	Nickel (Ni)	ng/m ³	Absent	20

REMARKS / OBSERVATIONS:

All above results are within limits (NAAQS) National Ambient Air Quality Standards 2009.
BDL = Below Detectable Limit

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ANALYSIS REPORTS FOR AMBIENT AIR QUALITY MONITORING

NAME OF COMPANY: M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		TR NO AL/TR/AM/52-972/19-20	
		DATE 23/12/2019	
		INWARD NO. AL/6-492/03/19-20	
SAMPLE :-	COLLECTED BY	SAMPLE REF.	RECEIVED ON :
Ambient Air	AARL	Rama Nivrutti Dhobale (West)	14/12/2019

Sr. No.	Parameter	Unit	RESULT	Limits Max.
1.	Time duration	08 hrs.		
2.	Ambient Temperature	°C	29.7	---
3.	Sulphur Dioxide (SO ₂)	µg/m ³	09.1	80
4.	Oxides of Nitrogen (NO _x)	µg/m ³	9.80	80
5.	Particulate matter (PM ₁₀)	µg/m ³	52.8	100
6.	Particulate matter (PM _{2.5})	µg/m ³	14.3	60
7.	Ozone (O ₃)	µg/m ³	18.4	180
8.	Lead (Pb)	µg/m ³	Absent	1.0
9.	Carbon Monoxide (CO)	mg/m ³	0.52	04
10.	Ammonia as (NH ₃)	µg/m ³	Absent	400
11.	Benzene (C ₆ H ₆)	µg/m ³	Absent	05
12.	Benzo (a)Pyrene (BaP)	ng/m ³	BDL	01
13.	Arsenic (As)	ng/m ³	Absent	06
14.	Nickel (Ni)	ng/m ³	Absent	20

REMARKS / OBSERVATIONS:

All above results are within limits (NAAQS) National Ambient Air Quality Standards 2009.
BDL = Below Detectable Limit

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ANALYSIS REPORTS FOR AMBIENT AIR QUALITY MONITORING

NAME OF COMPANY: M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		TR NO	AL/TR/AM/52-973/19-20
		DATE	23/12/2019
		INWARD NO.	AL/6-492/04/19-20
SAMPLE :-	COLLECTED BY	SAMPLE REF.	RECEIVED ON :
Ambient Air	AARL	Maruti Vaidya , Vaidyawadi phata (South)	14/12/2019

Sr. No.	Parameter	Unit	RESULT	Limits Max.
1.	Time duration	08 hrs.		
2.	Ambient Temperature	°C	29.9	---
3.	Sulphur Dioxide (SO ₂)	µg/m ³	06.52	80
4.	Oxides of Nitrogen (NO _x)	µg/m ³	08.48	80
5.	Particulate matter (PM ₁₀)	µg/m ³	54.60	100
6.	Particulate matter (PM _{2.5})	µg/m ³	11.41	60
7.	Ozone (O ₃)	µg/m ³	17.75	180
8.	Lead (Pb)	µg/m ³	Absent	1.0
9.	Carbon Monoxide (CO)	mg/m ³	00.56	04
10.	Ammonia as (NH ₃)	µg/m ³	Absent	400
11.	Benzene (C ₆ H ₆)	µg/m ³	Absent	05
12.	Benzo (a)Pyrene (BaP)	ng/m ³	BDL	01
13.	Arsenic (As)	ng/m ³	Absent	06
14.	Nickel (Ni)	ng/m ³	Absent	20

REMARKS / OBSERVATIONS:

All above results are within limits (NAAQS) National Ambient Air Quality Standards 2009.
BDL = Below Detectable Limit

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ANALYSIS REPORTS FOR AMBIENT AIR QUALITY MONITORING

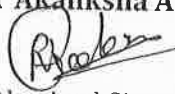
NAME OF COMPANY: M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		TR NO AL/TR/AM/52-974/19-20	
		DATE 23/12/2019	
		INWARD NO. AL/6-492/05/19-20	
SAMPLE :- Ambient Air	COLLECTED BY AARL	SAMPLE REF. Factory Main Gate	RECEIVED ON : 14/12/2019


Sr. No.	Parameter	Unit	RESULT	Limits Max.
1.	Time duration	08 hrs.		
2.	Ambient Temperature	°C	29.9	---
3.	Sulphur Dioxide (SO ₂)	µg/m ³	06.58	80
4.	Oxides of Nitrogen (NO _x)	µg/m ³	08.79	80
5.	Particulate matter (PM ₁₀)	µg/m ³	57.90	100
6.	Particulate matter (PM _{2.5})	µg/m ³	14.71	60
7.	Ozone (O ₃)	µg/m ³	17.68	180
8.	Lead (Pb)	µg/m ³	Absent	1.0
9.	Carbon Monoxide (CO)	mg/m ³	00.54	04
10.	Ammonia as (NH ₃)	µg/m ³	Absent	400
11.	Benzene (C ₆ H ₆)	µg/m ³	Absent	05
12.	Benzo (a)Pyrene (BaP)	ng/m ³	BDL	01
13.	Arsenic (As)	ng/m ³	Absent	06
14.	Nickel (Ni)	ng/m ³	Absent	20

REMARKS / OBSERVATIONS:

All above results are within limits (NAAQS) National Ambient Air Quality Standards 2009.
BDL = Below Detectable Limit

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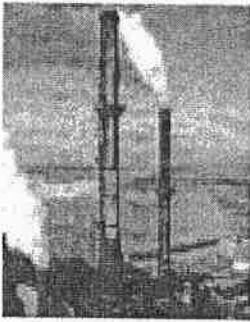
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SOURCE EMISSION MONITORING REPORT

Sample Report No.	AL/TR/AM/52-977/19-20		
Name of company	M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		
Sample Collected By	Akanksha Analytical and Research Lab		
Date Of Sampling	14/12/2019	Time of Sampling: Daytime	
Report Date	23/12/2019	Inward No	Al/6-492/08/19-20

PARTICULARS OF STACK

	Attached to	Boiler Stack (37 T/Hr.)
	Diameter	4.00 mtr
	Height	60 Mtr.
	Area	12.56 m ²
	Temperature	145°C
	Differential Pressure	0.85 mmWG
	Material of Construction	RCC
	Velocity of Gases	3.57 m/s
	Volume of gas	115374.26NM ³ /Hr.

POLLUTIONAL PARAMETERS

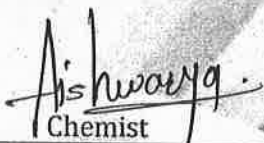
PARAMETER	RESULTS	LIMITS	UNITS
Particulate Matter	122.4	<150	mg/Nm ³
Sulphur Dioxide	39.89	< 3886	Kg/day
Oxide of Nitrogen	266	--	mg/Nm ³
Carbon Monoxide	2954	--	ppm

REMARK & OBSERVATIONS:

All above results are within limits prescribed in the MPCB Consent.

For AKANKSHA ANALYTICAL & RESEARCH LAB


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SOURCE EMISSION MONITORING REPORT

Sample Report No.	AL/TR/AM/52-976/19-20		
Name of company	M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		
Sample Collected By	Akanksha Analytical and Research Lab		
Date Of Sampling	14/12/2019	Time of Sampling: Daytime	
Report Date	23/12/2019	Inward No	AI/6-492/07/19-20

PARTICULARS OF STACK

	Attached to	Boiler Stack (80 T/Hr.)
	Diameter	3.54 Mtr
	Height	73 Mtr.
	Area	9.837 m ²
	Temperature	130 °C
	Differential Pressure	1.30 mmWG
	Material of Construction	RCC
	Velocity of Gases	4.34 m/s
	Volume of gas	113813.38NM ³ /Hr.


POLLUTIONAL PARAMETERS

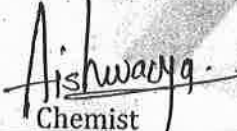
PARAMETER	RESULTS	LIMITS	UNITS
Particulate Matter	132	<150	mg/Nm ³
Sulphur Dioxide	1648	< 3886	Kg/day
Oxide of Nitrogen	322	--	mg/Nm ³
Carbon Monoxide	3195	--	ppm

REMARK & OBSERVATIONS:

All above results are within limits prescribed in the MPCB Consent.

For AKANKSHA ANALYTICAL & RESEARCH LAB


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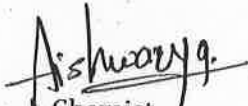
ANALYSIS REPORTS FOR AMBIENT AIR QUALITY MONITORING

NAME OF COMPANY: M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406	TR NO	AL/TR/AM/52-975/19-20	
	DATE	23/12/2019	
	INWARD NO.	AL/6-492/06/19-20	
SAMPLE :-	COLLECTED BY	SAMPLE REF.	RECEIVED ON :
Ambient Air	AARL	Fugitive Sample Bagasse Yard	14/12/2019

Sr. No.	Parameter	Unit	RESULT	Limits Max.
5.	Particulate matter (PM ₁₀)	µg/m ³	54.2	100
6.	Particulate matter (PM _{2.5})	µg/m ³	47.9	60

For Akanksha Analytical & Research Lab


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TEST 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-412406		Report No	TC724719000002279P
		Report Date	23/12/2019
		Inward No	12-126
		Inward Date	16/12/2019
Sample Detail	ETP Inlet Composite sample	Analysis Start date	17/12/2019
Sample Collected By	Party	Analysis End date	19/12/2019
Sample Volume	3000 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Method
1.	pH@27° C	-----	4.00	IS 3025 (Part 11) RA 2012 Electrometric method
2.	Total Suspended Solids	mg/lit.	4855	IS 3025 (Part 17) RA 2012
3.	Total Dissolved Solids	mg/lit.	60260	IS 3025 (Part 16) RA 2012
4.	COD	mg/lit.	80895	IS 3025 (Part 58) RA 2012 Open Reflux Method
5.	BOD @27° C For 3 Days	mg/lit.	41324	IS 3025 (Part 44) RA 2014 Azide Modification Method
6.	Chlorides	mg/lit.	6530	IS 3025 (Part 40) RA 2009 Argentometric method
7.	*Sulphate	mg/lit.	7.37	APHA-23 rd Edition 2017 4500-SO ₄ ²⁻ -E,
8.	Oil & Grease	mg/lit.	BDL	IS 3025 (Part 11) RA 2012 Electrometric method

REMARK, OPINION & INTERPRITATION-

- ❖ 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.
- ❖ The parameter marked with an * are not accredited by NABL.
- ❖ BDL-Below Detectable Limit.


Verified by
(Analyst)


Authorized Signatory

...End of test report...



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TEST 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-412406		Report No TC724719000002278P
		Report Date 23/12/2019
		Inward No 12-125
		Inward Date 16/12/2019
Sample Detail	ETP Outlet	Analysis Start date 17/12/2019
Sample Collected By	Party	Analysis End date 19/12/2019
Sample Volume	3000 ml	Sample Condition Fit For Analysis

Sr. No.	Parameter	Unit	Result	Limits as per MPCB Norms	Method
1.	pH@27° C	-----	7.59	5.5 to 9.0	IS 3025 (Part 11) RA 2012 Electometric method
2.	Total Suspended Solids	mg/lit.	29.0	100 Max.	IS 3025 (Part 17) RA 2012
3.	Total Dissolved Solids	mg/lit.	822	2100 Max.	IS 3025 (Part 16) RA 2012
4.	COD	mg/lit.	102	250 Max.	IS 3025 (Part 58) RA 2012 Open Reflux Method
5.	BOD @27° C For 3 Days	mg/lit.	34.0	100 Max.	IS 3025 (Part 44) RA 2014 Azide Modification Method
6.	Chlorides	mg/lit.	109	600 Max.	IS 3025 (Part 40) RA 2009 Argentometric method
7.	*Sulphate	mg/lit.	2.86	1000 Max.	APHA-23 rd Edition 2017 4500-SO ₄ ²⁻ -E,
8.	Oil & Grease	mg/lit.	BDL	10 Max.	IS 3025 (Part 11) RA 2012 Electometric method

REMARK, OPINION & INTERPRITATION-

- ❖ 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.
- ❖ The parameter marked with an * are not accredited by NABL.
- ❖ BDL-Below Detectable Limit.

Aishwarya
Verified by
(Analyst)

R. B. ...
Authorized Signatory

...End of test report...

EnviroConnect

Forbes Marshall

Multi Station Report

From Date 01/11/2019 00:00

To Date 30/11/2019 23:59

Interval Daily

Function Average

Plant BSSK

Analyzer STACK1

Parameter PM

Unit mg/Nm3

Limit 0.00 - 150.00

21/11/2019 00:00 60 < M

22/11/2019 00:00 50.6 < M

23/11/2019 00:00 47.88 < M

24/11/2019 00:00 39.63 < M

25/11/2019 00:00 36.49 < M

26/11/2019 00:00 48.94 < M

27/11/2019 00:00 59.42 < M

28/11/2019 00:00 60 < M

29/11/2019 00:00 60 < M

30/11/2019 00:00 60 < M

Average 52.3

Geom.Mean 51.5

Maximum 60

Median 55

Minimum 36.5

Mode 60

Std.Deviation 9

Total Active Duration

EnviroConnect

Forbes Marshall

Multi Station Report

From Date 01/12/2019 00:00

To Date 31/12/2019 23:59

Interval Daily

Function Average

Plant BSSK

Analyzer STACK1

Parameter PM

Unit mg/Nm3

Limit 0.00 - 150.00

01/12/2019 00:00	57.3 < M
02/12/2019 00:00	55.59 < M
03/12/2019 00:00	60 < M
04/12/2019 00:00	60 < M
05/12/2019 00:00	60 < M
06/12/2019 00:00	60 < M
07/12/2019 00:00	60 < M
08/12/2019 00:00	60 < M
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14/12/2019 00:00	60 < M
15/12/2019 00:00	60 < M
16/12/2019 00:00	60 < M
17/12/2019 00:00	60 < M
18/12/2019 00:00	60 < M
19/12/2019 00:00	60 < M
20/12/2019 00:00	60 < M
21/12/2019 00:00	60 < M
22/12/2019 00:00	60 < M
23/12/2019 00:00	60 < M
24/12/2019 00:00	60 < M
25/12/2019 00:00	60 < M
26/12/2019 00:00	60 M
27/12/2019 00:00	60 M
28/12/2019 00:00	60 < M
30/12/2019 00:00	60 < M
31/12/2019 00:00	60 M

Average 59.8

Geom.Mean 59.8

Maximum 60

Median 60

Minimum 55.6

Mode 60

Std.Deviation 0.9

Total Active Duration

EnviroConnect Forbes Marshall Multi Station Report

From Date 01/12/2019 00:00
 To Date 31/12/2019 23:59
 Interval Daily
 Function Average

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

01/12/2019 00:00	91 < M
02/12/2019 00:00	91 < M
03/12/2019 00:00	91 < M
04/12/2019 00:00	91 < M
05/12/2019 00:00	91 < M
06/12/2019 00:00	91 < M
07/12/2019 00:00	91 < M
08/12/2019 00:00	91 < M
09/12/2019 00:00	91 < M
10/12/2019 00:00	91 < M
11/12/2019 00:00	91 < M
12/12/2019 00:00	91 < M
13/12/2019 00:00	91 < M
14/12/2019 00:00	91 < M
15/12/2019 00:00	91 < M
16/12/2019 00:00	91 < M
17/12/2019 00:00	91 < M
18/12/2019 00:00	91 < M
19/12/2019 00:00	91 < M
20/12/2019 00:00	91 < M
21/12/2019 00:00	91 < M
22/12/2019 00:00	91 < M
23/12/2019 00:00	91 < M
24/12/2019 00:00	91 < M
25/12/2019 00:00	91 < M
26/12/2019 00:00	91 < M
27/12/2019 00:00	91 < M
28/12/2019 00:00	91 < M
30/12/2019 00:00	91 < M
31/12/2019 00:00	91 M

Average 91
 Geom.Mean 91
 Maximum 91
 Median 91
 Minimum 91
 Mode 91
 Std.Deviation 0
 Total Active Duration

EnviroConnect Forbes Marshall Multi Station Report

From Date 01/11/2019 00:00
To Date 30/11/2019 23:59
Interval Daily
Function Average

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

21/11/2019 00:00	98.22 < M
22/11/2019 00:00	91 < M
23/11/2019 00:00	90.84 < M
24/11/2019 00:00	91 < M
25/11/2019 00:00	91 < M
26/11/2019 00:00	91 < M
27/11/2019 00:00	91 < M
28/11/2019 00:00	91 < M
29/11/2019 00:00	91 < M
30/11/2019 00:00	90.94 < M
Average	91.7
Geom.Mean	91.7
Maximum	98.2
Median	91
Minimum	90.8
Mode	91
Std.Deviation	2.3
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

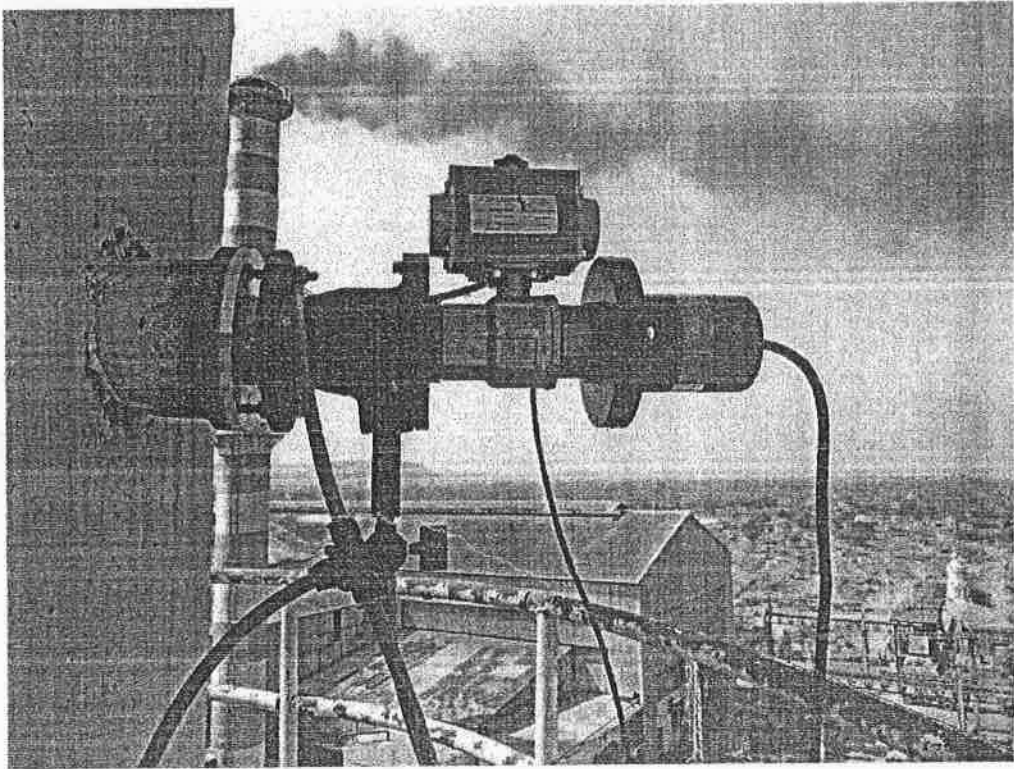
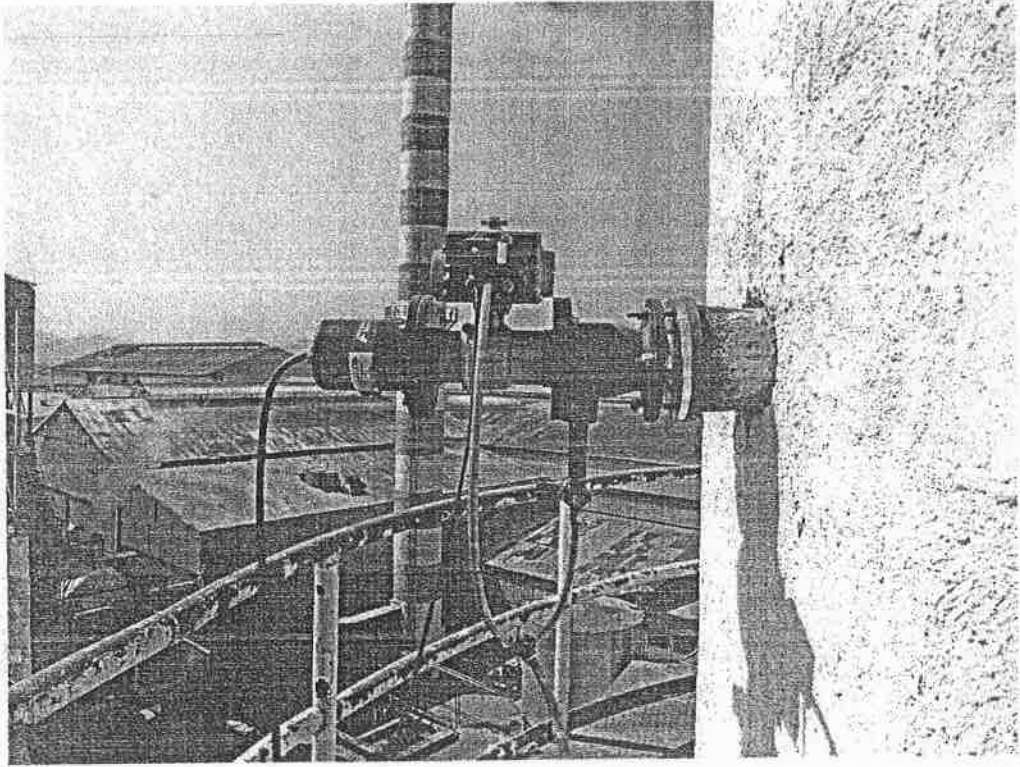
From Date ##### 01/11/2019
 To Date ##### 30/11/2019
 Interval Daily
 Function Average

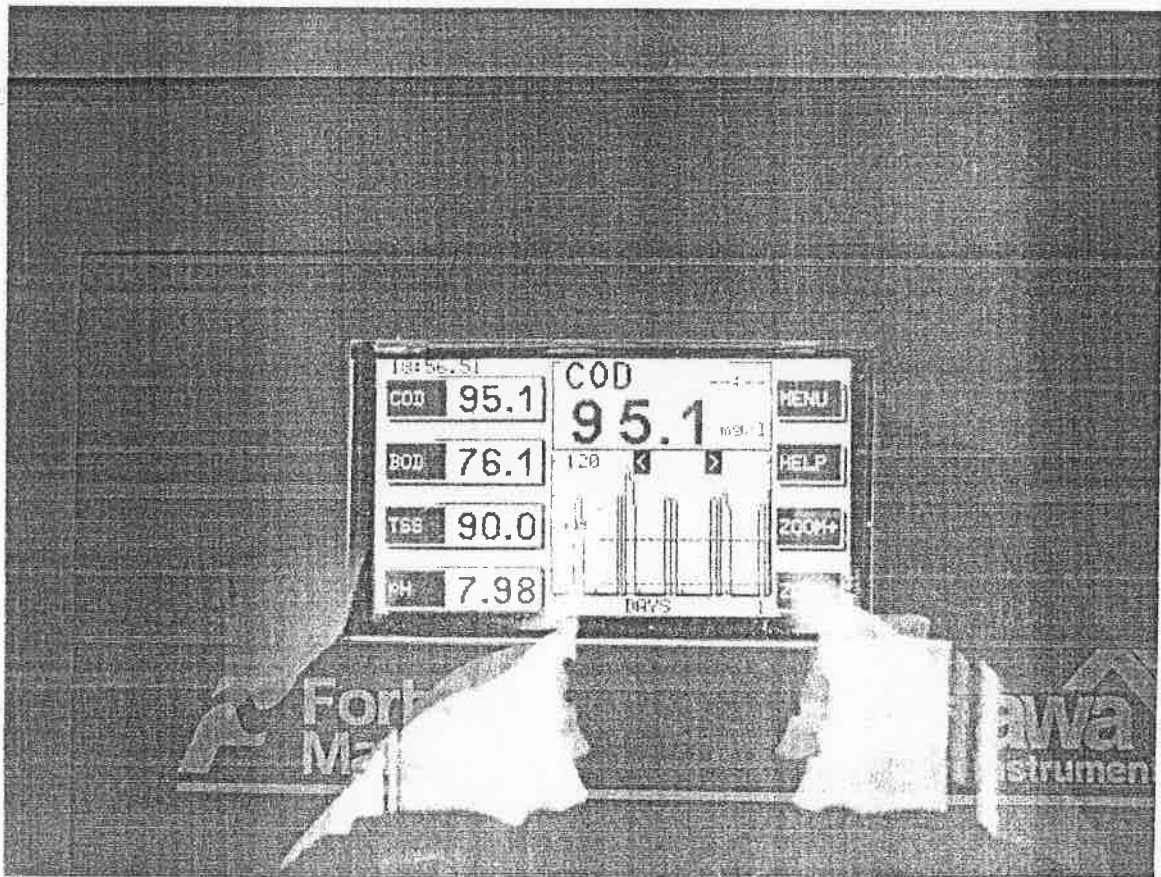
Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
20/11/2019 00:00	8.13 <	12.71 <	5.54 <	0 <
21/11/2019 00:00	8.16 <	12.71 <	5.53 <	0 <
22/11/2019 00:00	8.18 <	12.72 <	5.53 <	0 <
23/11/2019 00:00	8.18 <	12.7 <	5.53 <	0 <
24/11/2019 00:00	12.88 <	22.24 <	5.83 < L	0.45 <
25/11/2019 00:00	12.56 <	21.6 <	6.52 < L	0.69 <
26/11/2019 00:00	6.91 <	10.25 <	5.76 < LH	18.66 < H
27/11/2019 00:00	8.18 <	13.1 <	5.81 < L	0.87 <
28/11/2019 00:00	0 <	0 <	0 < L	0 <
Average	8.1	13.1	5.1	2.3
Geom.Mean	8.9	14.2	5.7	1.5
Maximum	12.9	22.2	6.5	18.7
Median	8.2	12.7	5.5	0
Minimum	0	0	0	0
Mode	0	0	0	0
Std.Deviation	3.7	6.5	1.9	6.1
Total Active Duration				

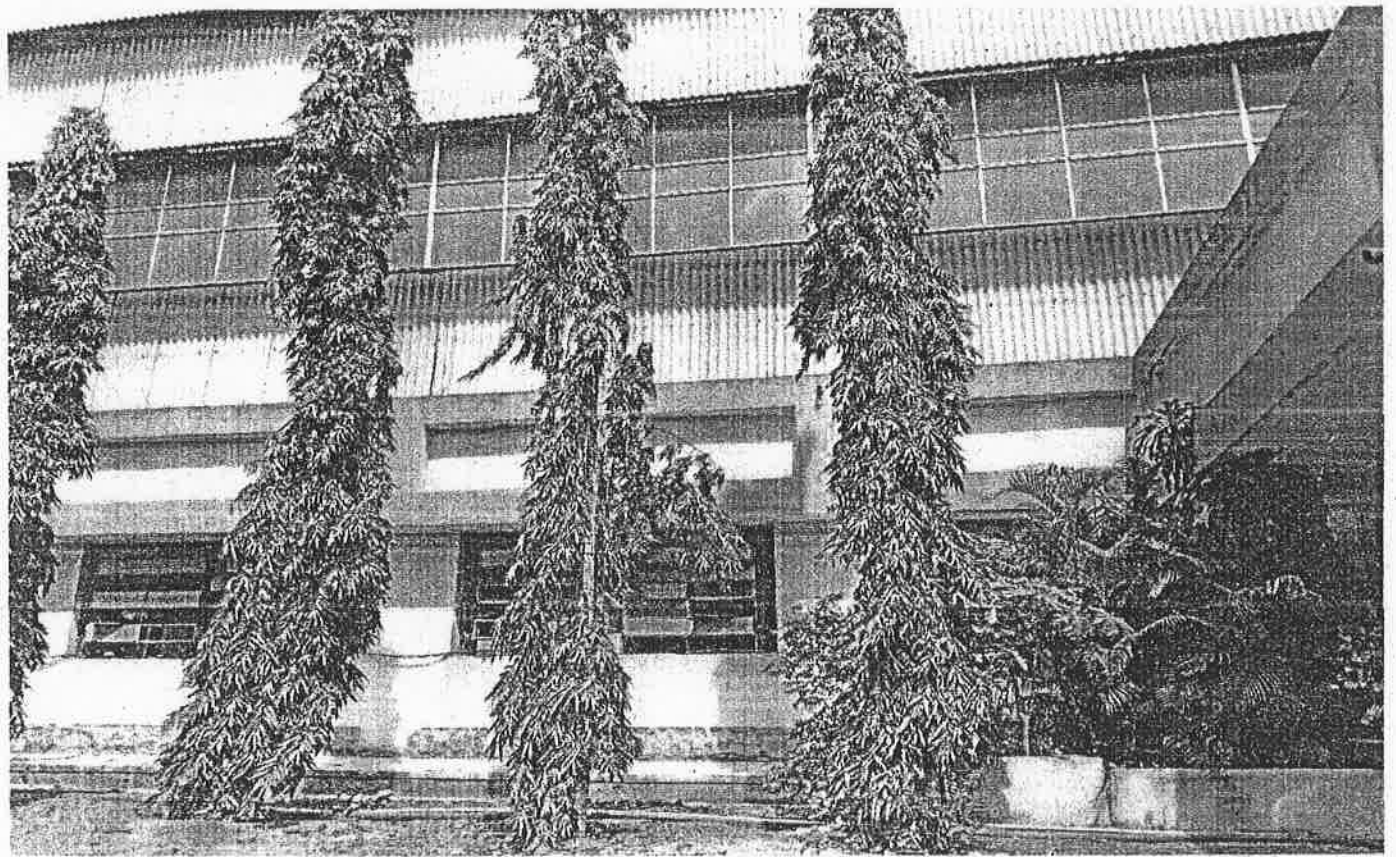
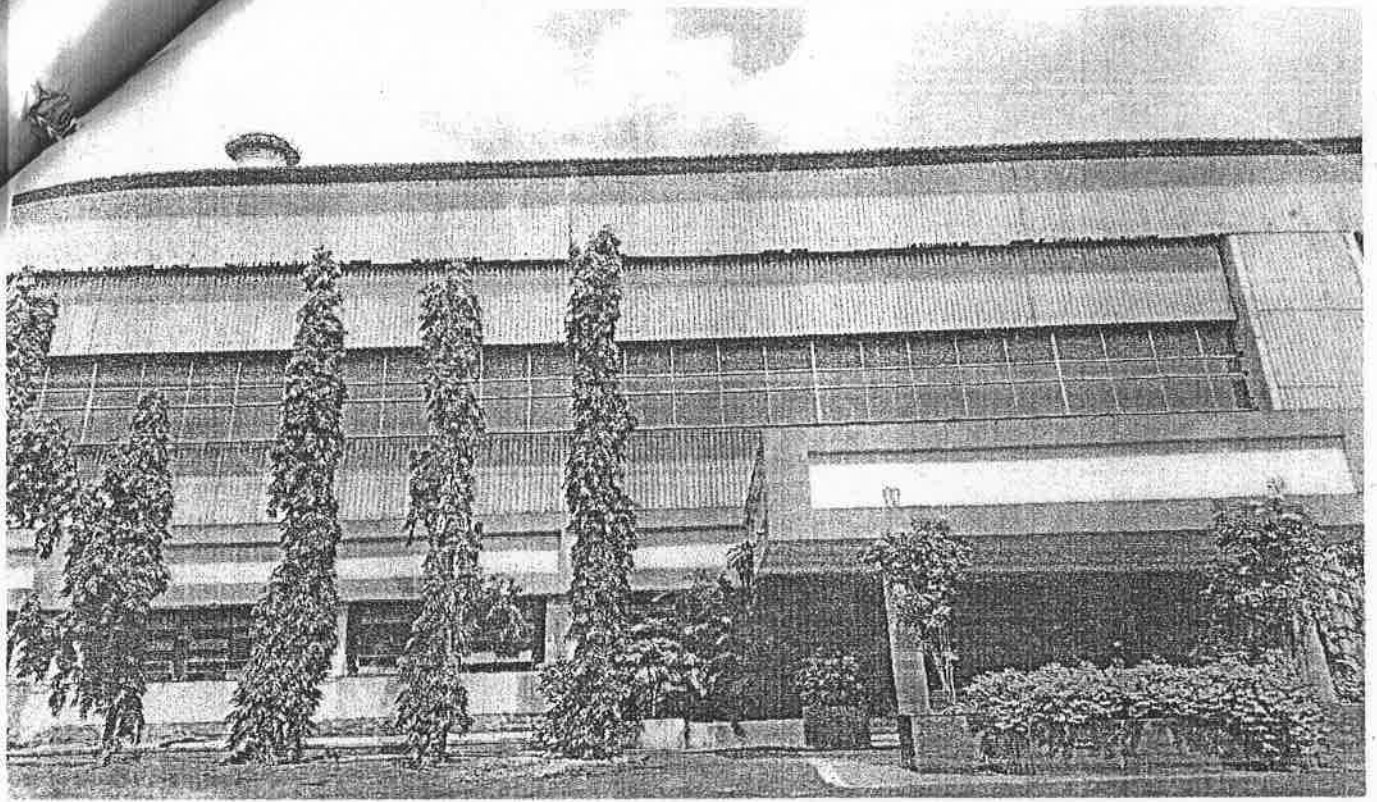
EnviroConnect Forbes Marshall Multi Station Report

From Date 01/12/2019 00:00
 To Date 31/12/2019 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
03/12/2019 00:00	25.28 <	46.86 <	6.42 <	1.7 < H
04/12/2019 00:00	35.19 <	66.4 <	5.25 <	2.87 <
05/12/2019 00:00	35.12 <	66.25 <	7.85 <	4.17 <
06/12/2019 00:00	35.13	66.28	7.86	4.18
07/12/2019 00:00	35.12	66.24	7.85	4.17
08/12/2019 00:00	35.12 <	66.22 <	7.85 <	4.17 <
09/12/2019 00:00	35.12 <	66.24 <	7.85 <	4.16 <
10/12/2019 00:00	35.12 <	66.25 <	7.85 <	4.16 <
11/12/2019 00:00	35.12	66.25	7.85	4.16
12/12/2019 00:00	35.12	66.25	7.86	4.16
13/12/2019 00:00	35.12 <	66.21 <	7.85 <	4.14 <
14/12/2019 00:00	35.12	66.2	7.85	4.16
15/12/2019 00:00	35.12 <	66.2 <	7.85 <	4.15 <
16/12/2019 00:00	35.13 <	66.23 <	7.85 <	4.15 <
17/12/2019 00:00	35.12 <	66.22 <	7.85 <	4.14 <
18/12/2019 00:00	35.12 <	66.21 <	7.85 <	4.13 <
19/12/2019 00:00	35.12 <	66.2 <	7.85 <	4.12 <
20/12/2019 00:00	35.12 <	66.2 <	7.85 <	4.13 <
21/12/2019 00:00	35.12 <	66.21 <	7.85 <	4.12 <
22/12/2019 00:00	35.12 <	66.21 <	7.85 <	4.12 <
23/12/2019 00:00	35.13	66.24	7.85	4.12
24/12/2019 00:00	35.14	66.27	7.86	4.13
25/12/2019 00:00	34.64	65.23	7.41 L	24.62
26/12/2019 00:00	34.45	64.84	6.96	28.64 H
27/12/2019 00:00	35.82	67.67	7.34	32.86
28/12/2019 00:00	31.38	58.63	7.22	35.19 H
30/12/2019 00:00	29.69 <	54.94 <	7.89 <	8.12 <
31/12/2019 00:00	30.18	55.91	7.41	9.7 H
Average	34.3	64.5	7.6	8.1
Geom.Mean	34.2	64.3	7.6	5.6
Maximum	35.8	67.7	7.9	35.2
Median	35.1	66.2	7.9	4.2
Minimum	25.3	46.9	5.2	1.7
Mode	34.5	66.2	7.9	4.2
Std.Deviation	2.3	4.7	0.6	9.5
Total Active Duration				







DOCUMENT NO. – SHR/O- 301/20-21

Introduction

The Bhimashankar SSK Ltd. industrial project is a sugar factory. The purpose of this report is to provide the basis for developing the detail rain water harvesting plan for the entire development. It is to prepare the general conditions recommended practices. The Systems of the and other parameters to produce the report shall be the design in conjunction with the regional specifications through the following section of Storm water and Rain water Harvesting Systems.

RAIN WATER HARVESTING PLAN FOR BHIMASHANKAR SSK LTD AT DATTATRAYANAGAR AT POST PARGAON TARF, AWASARI BK, TAL. AMBEGAON, DIST. PUNE.

Prepared by:
Shrashtaa AECC Pvt.Ltd
1st Floor, Kshitij Business Center,
Off Law college Road, DG Dani Road
Pune 411004.



Objectives: -

- 1) To access rain water potential of the total 145 Acres land of sugar factory.
- 2) To calculate rain water considering existing and proposed development in the factory area.
- 3) To calculate runoff of all the areas such as constructed area, open area, roads (paved, un-paved) and vegetation areas.
- 4) To suggest appropriate rain water harvesting methods.
- 5) To prepare concrete plan for rain water harvesting for the entire industrial factory areas.
- 6) Prepare storm water network system considering 100mm rainfall as per suggestions of SEAC-I Mumbai Maharashtra.

We have studied the topography slope and contour of the 145 Acres and of the factory. The collected the information on rainfall from last 10 years, land use break up, built-up area, existing structures in the factory premises etc. Calculated harvesting potential as per standards NBC 2016, Volume II. Suggested suitable methods of rain water harvesting. Designed of storm water drain, water collection tanks and ground water recharge pits. Designed total storm water network system for the entire premise.

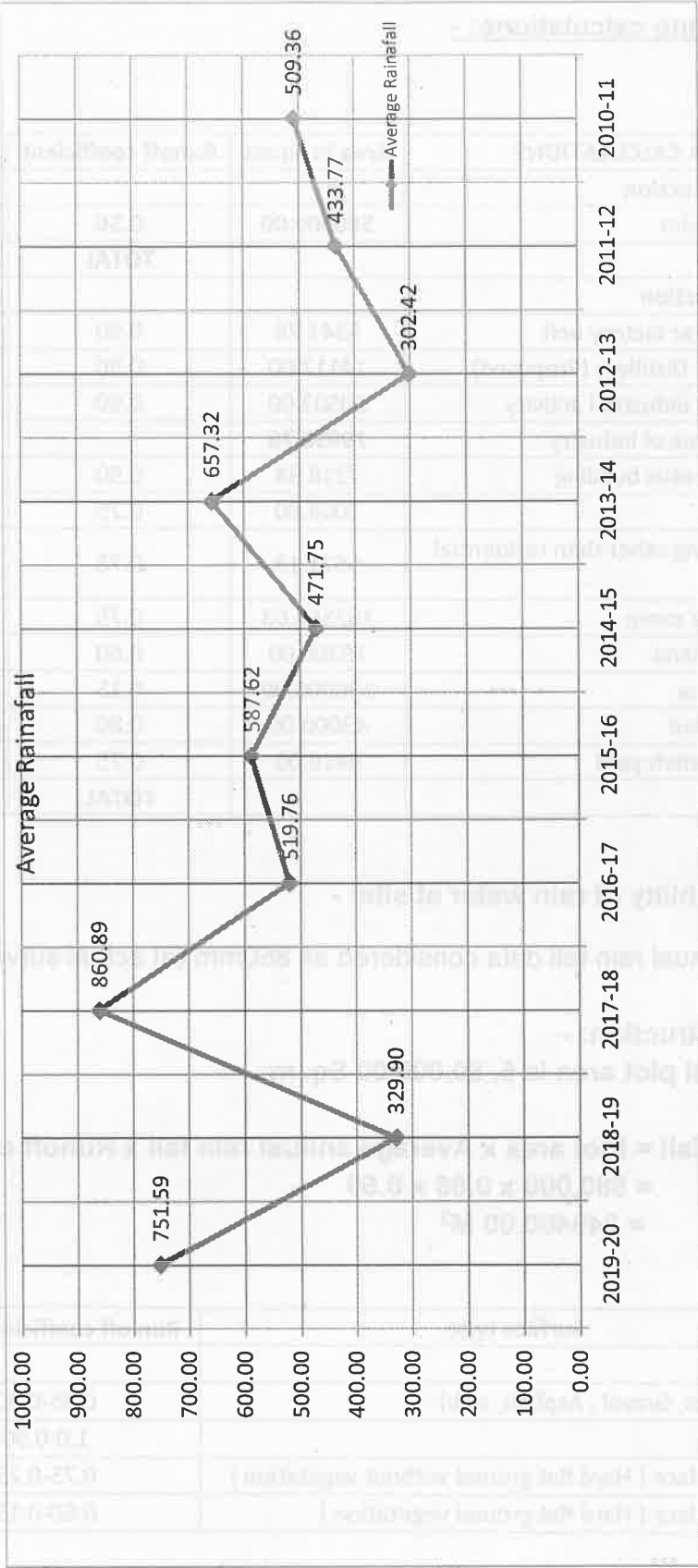
About The Project: -

Bhimashankar SSK Ltd. Is register as a co-operative factory located at Dattatraynagar at post-paragon tarf Avasari (Bk), Tal – Ambegaon, Dist – Pune. The crushing capacity of factory is 6000Tcd and 19 MW co-generation. The total area of the factory is about 145 Acre i.e 5,80,000 Sqm. The detail area statement is given below

Area statement of the project as below: -

SR.NO	AREA CALCULATIONS	Area in Sq mt
1	Total area of plot	5,80,000.00
2	A) Area of sugar factory unit	5341.78
	B) Area under Distillery (Proposed)	14112.00
	C) Area under industrial activity	60503.00
	(A+B) Total area of industry	79956.78
3	Area of residential building	7218.94
4	Parking Area	3064.80
5	Area of building other than residential & industry	5571.13
6	Area of labor camp -1	35133.00
7	Area of labor camp -2	127433.63
8	Area of open land	78205.00
9	Green belt area existing	100000.00
10	Green belt area proposed	96000.00
11	Area under road	43000.00
12	Area under switch yard	4416.00

Yearly Rainfall Graph for 10 years.



5	Lawns	0.30.-0.15
---	-------	------------

B) After construction: -

1) Total Area under industrial:

Area of industry x Average annual rain fall x Runoff coefficient

$$= 79956.78 \times 0.86 \times 0.90$$

$$= \mathbf{61886.54 \text{ M}^3}$$

2) Area under residential building:

Area of building x Average annual rain fall x Runoff coefficient

$$= 7218.94 \times 0.86 \times 0.90$$

$$= \mathbf{5587.45 \text{ M}^3}$$

3) Area under parking & other than residential building:

Area of building x Average annual rain fall x Runoff coefficient

$$= 8635.93 \times 0.86 \times 0.75$$

$$= \mathbf{5570.17 \text{ M}^3}$$

4) Area under labor camp:

Area of building x Average annual rain fall x Runoff coefficient

$$= 162,566.63 \times 0.86 \times 0.75$$

$$= \mathbf{104,855.47 \text{ M}^3}$$

5) Area of open land:

Area of building x Average annual rain fall x Runoff coefficient

$$= 78205 \times 0.86 \times 0.60$$

$$= \mathbf{40353.78 \text{ M}^3}$$

6) Area of green belt:-

Area of building x Average annual rain fall x Runoff coefficient

$$= 196000 \times 0.86 \times 0.15$$

$$= \mathbf{25284.00 \text{ M}^3}$$

7) Area of under road: -

The water percolates through the gravel in this chamber, leaving the silt behind. This water first fills the depths of the bore well and then finds its way to natural underground aquifers. Any excess water from the collection chamber may be diverted to the natural pond/nala, to avoid the rare possibility of over flooding and backwash.

The recharge bore wells complement the natural water cycle and helps to augment the maximum possible groundwater reserves by active groundwater movement. As and when water is pumped out for use from production bore wells, this retained water from aquifers and subsoil strata percolates into the bore wells, maintaining a steady static water level. This increases availability and reliability of groundwater resources in our land.

Field Work

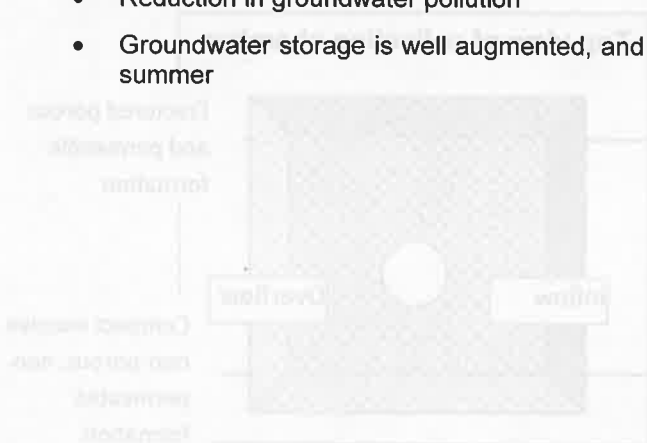
In order to acquire data for rainwater harvesting, we have to use latest technology in identifying hydro geologically potential zones. We will have to conduct extensive studies to identify such zones in and around the premises. Topographical studies are done to thoroughly delineate groundwater favourable zones based on lineaments, shallow prospective zones etc. Geophysical survey needs to be conducted to study the sub-surface geological formation and the thickness of porous and permeable zones to accommodate the recharge.

Highly favourable zones, which can help for recharge, are identified. Based on subsurface lithology, drainage pattern, possibility of roof water and surface runoff generation, suitable recharge structures are designed. Utmost care shall have to take in creating artificial recharge structures. Study has to be done with respect to the various structures in relation to the average expected rainwater collection and its minor variability, the recharge bore well shall have to be provided with gravel packed pit and collection chamber above the suitable structure for this site.

Benefits of Rain Water Harvesting

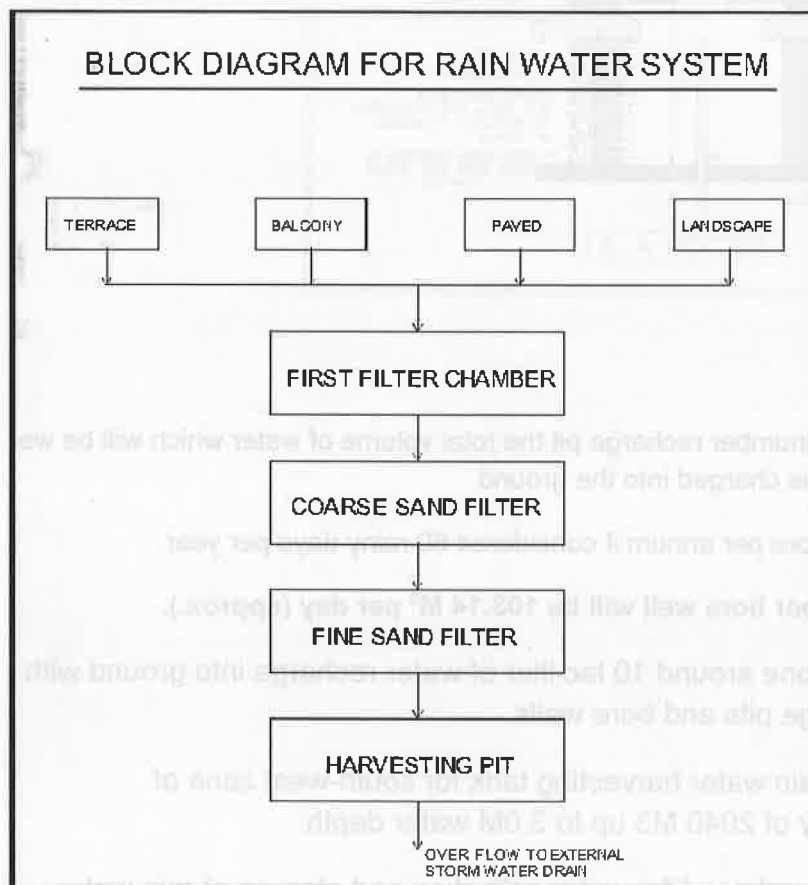
By implementing rainwater harvesting on the site, the following benefits may be obtained:

- Proper utilization of available runoff to facilitate withdrawal
- Improves sustainability to nearby groundwater structure
- Reduces surface runoff, preventing choking and over-flooding of storm drains
- Flooding and water stagnation on roads and open areas is avoided.
- Reduction in groundwater pollution
- Groundwater storage is well augmented, and it can supplement the domestic requirement during summer

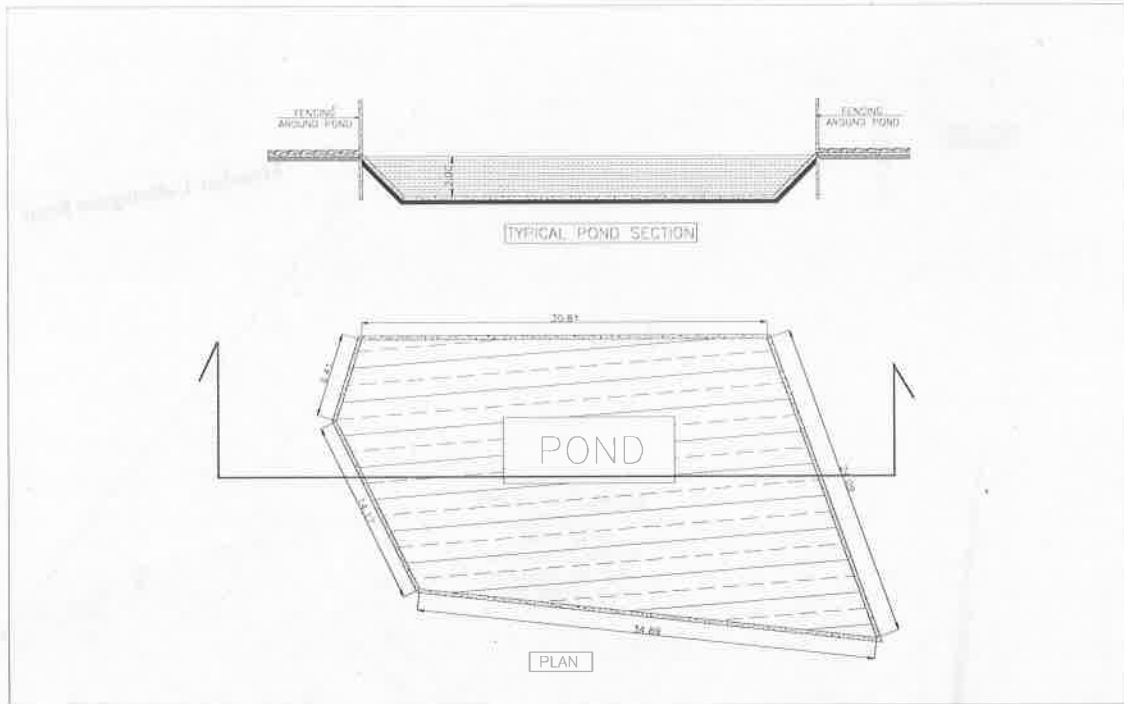


Recommended rain water harvesting and recharging strategic.

- Percolation test should be carried out on proposed recharge bore well.
- Uncertain rainfall itself indicates that necessity of aquifer recharging by rain water.
- Recharge system should be operative throughout year.
- Rain water should not overflow form recharge bore well. The excess water should be drain out in nearby existing stream.
- The clean rain water should be recharge to the aquifer and avoid aquifer pollution.
- The rain water other than roof top terrace should be filters and then drain out in to nearby stream.



1) Proposed Storage Tank





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TEST 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-412406		Report No	TC724719000002274P
		Report Date	23/12/2019
		Inward No	12-121
		Inward Date	16/12/2019
Sample Detail	Dyaneshwar Ragnath Dhoble-East Well Water	Analysis Start date	17/12/2019
Sample Collected By	Party	Analysis End date	19/12/2019
Sample Volume	3000 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazan	BDL	5.00 Max	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity	NTU	0.20	1.0 NTU	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1381	Not Specified	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH	---	7.22	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	898	500 Max	IS 3025 (Part 16) RA 2012
7.	Total Hardness as CaCO3	mg/lit	589	200 Max	IS3025(Part-21) RA 2014 EDTA Titremetric method
8.	Calcium as Ca	mg/lit	120	75.0 Max	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	69.5	30.0 Max	APHA 23rd Edition 2017 3500- mg B Calculation method
10.	Chlorides as Cl	mg/lit	141	250 Max	IS3025(Part-40) RA 2009 Argentometric Method
11.	*Sulphate as SO4-2	mg/lit150	5.33	200 Max	APHA-23 rdEdition 2017- SO42- -E
12.	Total Alkalinity	mg/lit	308	200 Max	IS3025(Part-23)RA 2009
13.	*Nitrate	mg/lit	3.70	45.0 Max.	APHA 23rd Edition 2017 (4500 - NO3 B), pg no. 4-127.
14.	*Iron as Fe	mg/lit	BDL	0.3 Max	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	Per 100 ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK, OPINION & INTERPRITATION-

- ❖ As per Specified above analysis water sample is not potable.
- ❖ 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.
- ❖ The parameter marked with an * are not accredited by NABL.
- ❖ BDL- Below Detectable Limit

Aishwarya
Verified by
(Analyst)

R. Desai
Authorized Signatory

...End of test report...



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TEST 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-412406		Report No 23/12/2019	TC724719000002277P
Sample Detail		Inward No 12-124	
Sample Collected By Party		Inward Date 16/12/2019	
Sample Volume 3000 ml		Analysis Start date 17/12/2019	
		Analysis End date 19/12/2019	
		Sample Condition Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazan	BDL	5.00 Max	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity	NTU	0.40	1.0 NTU	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1818	Not Specified	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH	---	7.59	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1182	500 Max	IS 3025 (Part 16) RA 2012
7.	Total Hardness as CaCO ₃	mg/lit	820	200 Max	IS3025(Part-21) RA 2014 EDTA Titremetric method
8.	Calcium as Ca	mg/lit	170	75.0 Max	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	95.0	30.0 Max	APHA 23rd Edition 2017 3500- mg B Calculation method
10.	Chlorides as Cl	mg/lit	141	250 Max	IS3025(Part-40) RA 2009 Argentometric Method
11.	*Sulphate as SO ₄ -2	mg/lit150	6.72	200 Max	APHA-23 rdEdition 2017- SO42- -E
12.	Total Alkalinity	mg/lit	362	200 Max	IS3025(Part-23)RA 2009
13.	*Nitrate	mg/lit	380	45.0 Max.	APHA 23 rd Edition 2017 (4500 - NO ₃ ⁻ B), pg no. 4- 127.
14.	*Iron as Fe	mg/lit	BDL	0.3 Max	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	Per 100 ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK, OPINION & INTERPRITATION-

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Aishwarya
Verified by
(Analyst)

R. B. ...
Authorized Signatory

...End of test report...



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TEST 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-412406		Report No 23/12/2019	TC724719000002275P
Sample Detail		Inward No 12-122	Inward Date 16/12/2019
Sample Collected By	Rama Nivruti Dhoble-West Grampanchayat Party	Analysis Start date	17/12/2019
Sample Volume	3000 ml	Analysis End date	19/12/2019
		Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazan	BDL	5.00 Max	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity	NTU	0.20	1.0 NTU	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1072	Not Specified	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH	---	7.89	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	697	500 Max	IS 3025 (Part 16) RA 2012
7.	Total Hardness as CaCO ₃	mg/lit	376	200 Max	IS3025(Part-21) RA 2014 EDTA Titremetric method
8.	Calcium as Ca	mg/lit	81.1	75.0 Max	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	41.7	30.0 Max	APHA 23rd Edition 2017 3500- mg B Calculation method
10.	Chlorides as Cl	mg/lit	111	250 Max	IS3025(Part-40) RA 2009 Argentometric Method
11.	*Sulphate as SO ₄ -2	mg/lit150	5.86	200 Max	APHA-23 rdEdition 2017- SO42- -E
12.	Total Alkalinity	mg/lit	319	200 Max	IS3025(Part-23)RA 2009
13.	*Nitrate	mg/lit	3.50	45.0 Max.	APHA 23 rd Edition 2017 (4500 - NO ₃ - B), pg no. 4- 127.
14.	*Iron as Fe	mg/lit	BDL	0.3 Max	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	Per 100 ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK, OPINION & INTERPRITATION-

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Aishwarya
Verified by
(Analyst)

[Signature]
Authorized Signatory

...End of test report...



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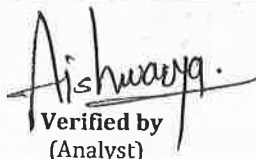
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- ISO 9001:2015, OHSAS 18001:2007 Certified Organization

TEST 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-412406		Report No	TC724719000002276P
		Report Date	23/12/2019
		Inward No	12-123
		Inward Date	16/12/2019
Sample Detail	Maruti Vaidhy Vaidwadi Phata South Well Water	Analysis Start date	17/12/2019
Sample Collected By	Party	Analysis End date	19/12/2019
Sample Volume	3000 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method
A) PHYSICAL ANALYSIS					
1.	Colour	Hazan	BDL	5.00 Max	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity	NTU	0.20	1.0 NTU	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1072	Not Specified	IS 3025 (Part 14):2013
B) CHEMICAL ANALYSIS					
5.	pH	---	7.74	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	850	500 Max	IS 3025 (Part 16) RA 2012
7.	Total Hardness as CaCO3	mg/lit	425	200 Max	IS3025(Part-21) RA 2014 EDTA Titremetric method
8.	Calcium as Ca	mg/lit	88.8	75.0 Max	IS3025(Part-40) RA 2009 EDTA Method
9.	Magnesium as Mg	mg/lit	48.6	30.0 Max	APHA 23rd Edition 2017 3500- mg B Calculation method
10.	Chlorides as Cl	mg/lit	121	250 Max	IS3025(Part-40) RA 2009 Argentometric Method
11.	*Sulphate as SO4-2	mg/lit150	6.57	200 Max	APHA-23 rdEdition 2017-SO42- -E
12.	Total Alkalinity	mg/lit	425	200 Max	IS3025(Part-23)RA 2009
13.	*Nitrate	mg/lit	3.86	45.0 Max.	APHA 23rd Edition 2017 (4500 - NO3- B), pg no. 4-127.
14.	*Iron as Fe	mg/lit	BDL	0.3 Max	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	Per 100 ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK, OPINION & INTERPRITATION-

- ❖ As per Specified above analysis water sample is not potable.
- ❖ 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.
- ❖ The parameter marked with an * are not accredited by NABL.
- ❖ BDL- Below Detectable Limit


Verified by
(Analyst)


Authorized Signatory

...End of test report...

Ann-VI



AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Ministry of Environment Forest and Climate Change (MoEFCC), New Delhi
- Accredited by "NABL" as per ISO/IEC 17025:2005
- Authorized by "AGMARK"
- ISO 9001:2015, OHSAS 18001:2007 Certified Organization


AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT.			
Inward No : AL/TR/AM/52-978/19-20		Report No. Al/6-492/09/19-20	
Name of Client	M/s. Bhima Sahankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		
Sample type	Noise		
Sample Collected By	Akanksha Analytical and Research Lab		
Date of Sampling	14/12/2019	Date of Report	23/12/2019

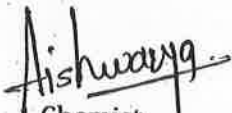
Sr. No.	Test Location	Reading	Unit	Limits in day time
1	Near Guest House	65.2	dB(A)	≤ 75 As per MPCB Standard ≤ 90 As per Factory Act. 1948
2	Near Sugar House	80.2	dB(A)	
3	Near Boiling House	82.9	dB(A)	
4	Near Mill Section	83.5	dB(A)	
5	Near Boiler Section	78.1	dB(A)	

REMARK / OBSERVATIONS:

➤ All above results are within limits prescribed in the MPCB Consent & Factories Act, 1948 Standards

For AKANKSHA ANALYTICAL & RESEARCH LAB


Authorized Signatory


Chemist

भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर

पारगाव तर्फे अवसरी बु. ११., ता. आंबेगाव, जि. पुणे.

झाडांची नावे व अंतर तपशिल

अ.क्र.	झाडांची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (स्क्वेअर मी.)	वृक्ष लागवड क्षेत्र (हे.आर)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
१	नारळ	१७०	०	०	१७०	५ X ५	२५	०.४३
२	आंबा	१९	१०५	५५	१७९	१० X १०	१००	१.७९
३	घिव्कु	५८	०	०	५८	९ X ९	८१	०.४७
४	आवळा	३	५	०	८	६ X ६	३६	०.०३
५	फणस	७	०	०	७	८ X ८	६४	०.०४
६	कागदी लिंबू	२२	०	०	२२	५ X ५	२५	०.०६
७	सिताफळ	१३९	०	०	१३९	४ X ४	१६	०.२२
८	पेरु	२९	०	०	२९	६ X ६	३६	०.१०
९	जांभुळ	२८	०	२५	५३	६ X ६	३६	०.१९
१०	चिंच	७	४०	६५०	६९७	८ X ८	६४	४.४६
११	डाळींब	५	०	०	५	४ X ४	१६	०.०१
१२	कौठ	६	०	०	६	६ X ६	३६	०.०२
१३	बोर	११	०	०	११	४ X ४	१६	०.०२
१४	गुलमोहर	२३	५०	०	७३	८ X ८	६४	०.४७
१५	रेनट्री	१६	११०	०	१२६	८ X ८	६४	०.८१
१६	बॉटल पाम	२४१	२२	५०	३१३	५ X ५	२५	०.७८
१७	फिलोशिया पाम	१४	३	०	१७	५ X ५	२५	०.०४
१८	सप्तपर्णी	५२	४८	०	१००	८ X ८	६४	०.६४
१९	पित्त मोहर	१७	५६	०	७३	८ X ८	६४	०.४७
२०	वड	१२०	६	०	१२६	१० X १०	१००	१.२६
२१	अर्जुन	२९	२०	०	४९	८ X ८	६४	०.३१
२२	सिल्वर ओक	६	०	०	६	५ X ५	२५	०.०२
२३	काशिद	३५	३५	१०५	१७५	८ X ८	६४	१.१२
२४	सिसम	१२५	२०	०	१४५	८ X ८	६४	०.९३
२५	पिंपळ	१७	०	०	१७	८ X ८	६४	०.११
२६	फायकस	०	५०	०	५०	४ X ४	१६	०.०८
२७	बांबू	१२	०	०	१२	४ X ४	१६	०.०२
२८	करंज	३३	०	९०	१२३	८ X ८	६४	०.७९
२९	बॉटल ब्रश	१९	०	०	१९	४ X ४	१६	०.०३
३०	कडूलिंब	२००	०	९५	२९५	६ X ६	३६	१.०६
३१	बदाम	३०	०	०	३०	६ X ६	३६	०.११
३२	सुरु	३१	०	०	३१	६ X ६	३६	०.११
३३	अशोक	९९	०	०	९९	४ X ४	१६	०.१६
३४	स्पॅथोडिया	६	०	०	६	८ X ८	६४	०.०४
३५	कांचन (आपटा)	३९	०	१००	१३९	८ X ८	६४	०.८९
३६	सोनचाफा	५	०	०	५	४ X ४	१६	०.०१
३७	पांढरा चाफा	२१	०	०	२१	४ X ४	१६	०.०३
३८	उंबर	११	०	०	११	८ X ८	६४	०.०७
३९	निलगिरी	३४	०	०	३४	३ X ३	९	०.०३
४०	रामफळ	१४	०	०	१४	५ X ५	२५	०.०४
४१	सुबामळ	२१३	०	०	२१३	४ X ४	१६	०.३४
४२	शेवगा	१४	०	०	१४	३ X ३	९	०.०१
४३	अंजीर	२	०	०	२			
४४	पांगारा	३	०	०	३			
४५	चंदनी	७	०	०	७	४ X ४	१६	०.०१
४६	भेंडी	४	०	०	४	३ X ३	९	०.००
४७	बामुळ	६४	०	०	६४	६ X ६	३६	०.२३
४८	मोकर	१	०	०	१			



महाराष्ट्र शासन (अ.प्र.) कृषि विभाग
महाराष्ट्र कृषि विभाग, अ.प्र. शासन, मुंबई-४०००३३




जाक्र/ताकृअ/ विस्तार/३६१५/२०१९
तालुका कृषि अधिकारी, आंबेगाव
(घोडेगाव) दि. २/१२/२०१९

प्रति,
मा.कार्यकारी संचालक,
भिमाशंकर सहकारी साखर कारखाना,
पारगाव त.अवसरी बु.

विषय -- झांडामधील अंतर प्रमाणित करून मिळणेबाबत.
संदर्भ -- भिमाशंकर सहकारी साखर कारखाना पारगाव त.अवसरी बु यांचे कडील
पत्र जाक्र /शेतकरी /२३८९/१९ दिनांक २७/११/१९.

उपरोक्त संदर्भीय विषयान्वये कळविण्यात येते की, भिमाशंकर सहकारी साखर कारखाना
परिसरातील कार्यक्षेत्रामध्ये जास्तीत जास्त झाडे लावून परिसर हरीत करणेसाठी सोबत जोडलेल्या
यादीप्रमाणे १९.५३ हे.आर क्षेत्रात ६५०२ वृक्ष लागवड केलेबाबतचे सहपत्र प्राप्त झाले आहे.

सदर सहपत्राचे अवलोकन केले असता सोबतच्या दोन झाडांमधील अंतर संयुक्तीक असलेचे
प्रमाणित करणेत येत आहे.


तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव) जि.पुणे





पुढारी दि १३ जुलै २०१२

Public Notice

This is to inform all concern people that, the State Environment Impact Assessment Authority, Government of Maharashtra, Mumbai has accorded 'Environmental Clearance' to M/s. Bhimashankar Sahakar Sakhar Karkhana Limited, at Dattatraynagar, pargaon Via Awasari Bk, Taluka- Ambegaon, District- Pune, for its bagasse based 18 MW cogeneration project. The 'Environmental Clearance' is granted under the provision of EIA notification dated 14th September 2009. The copy of the environmental clearance is available on the web site <http://ec.maharashtra.gov.in/>. This advertisement is published in the public interest according to the general conditions specified in the 'Environmental Clearance'.

For Bhimashankar Sahakar Sakhar Karkhana Limited
Managing Director

सकाळ दि १३ जुलै २०१२

जाहीर सूचना

या जाहीर सूचनेद्वारे कळविण्यात येते की, मा. राज्य ईआयए प्राधिकरण, महाराष्ट्र शासन, मुंबई यांच्याकडून मे. भीमाशंकर सहकारी साखर कारखाना लिमिटेड, दत्तात्रयनगर, पारगाव तर्फे अवसरी बु.॥, तालुका आंबेगाव, जिल्हा पुणे यांना नियोजित १९ मे.वॅट क्षमतेच्या बगॉसवर आधारित सहजीवनिर्मिती प्रकल्प उभारण्यास पर्यावरणीय मंजूरी मिळाली आहे. सदर मंजूरीचे पत्र हे पर्यावरण विभाग, महाराष्ट्र शासनाच्या <http://ec.maharashtra.gov.in/> या संकेतस्थळी उपलब्ध आहे.

सदर जाहीर सूचना ही पर्यावरणीय मंजूरीतील सामान्य शर्तीची पूर्तता करण्यासाठी देण्यात येत आहे.

मे. भीमाशंकर सहकारी साखर कारखाना लिमिटेड
कार्यकारी संचालक



MAIL IN
Date 22/06/2019

Bhimashankar S.S.K. Ltd Pargaon <bsskltd@gmail.com>
Ann XI

Application Receipt

1 message

Sat, Jun 22, 2019 at 4:07 PM

MPCB Web Portal <portalsupport@mpcb.gov.in>
Reply-To: "portalsupport@mpcb.gov.in" <portalsupport@mpcb.gov.in>
To: bsskltd@gmail.com

Greeting Bhimashankar Sahakari Sakhar Karkhana Ltd.,

Your application has been received.

Your Unique application number (UAN) MPCB-HW_ANNUAL_RETURN-0000009841

Please use the UAN in all your correspondence with respect to this application

You may view your application details on your Application dashboard

Thanks for your application.

Disclaimer

This is an auto generated mail with if you are not a valid recipient please discard the same. This is not the spam.
In case of dispute, jurisdiction with respect to Maharashtra jurisdiction

Date: 22-06-2019

Environmental Audit Report for the financial year ending the 31st March 2019

Unique Application Number
MPGB-ENVIRONMENT_STATEMENT-0000016513

Submitted Date
22-06-2019

Company Information

Company-Name
Dhimeshankar Sahakar Karkhana
Application UAN number
0000049386

Address:

Nattarayanagar

Taluka

Ambegaon

Capital Investment (In lakhs)

16754.00

Pincode

412406

Telephone Number

02133284270

Region

SRO-Pune II

Last Environmental statement

submitted online

yes

Consent Valid Upto

14/03/2019

Product Information

Product Name

Sugar

By-product Information

By Product Name

Bagasse

144000

Consent Quantity

Actual Quantity

20332.00

UOM

M/A

MT/A

30516.00

MT/A

18000

Pressmud

Molasses

Co-generation

19 MW

65544500

Mwh

Water Consumption for Process

Water Consumption for Process

330

Consent Quantity in m3/day

150

Actual Quantity in m3/day

100

Cooling

75

Domestic

50

41

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)			
[A] Water	Quantity of Pollutants discharged (KL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH, Temp, Colour	Percentage of variation from prescribed standards with reasons
pH	7.5	7.0	00
Oil & Grease	1.6	1.6	00
BOD	55	50	00
COD	115	120	00
Total Dissolved Solids	860	920	00
Suspended Solids	45	52	00
Sulphate	125	540	00
Chloride	170	160	00
Standard Reason			
			150

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	144000	203320	MT/A
3) Raw Material Consumption (Consumption of raw material per unit of product)			
Name of Raw Materials	During the Previous financial Year	During the current financial year	UOM
Sulphur	0.03	0.01	MT/A
Lime	0.02	0.01	MT/A
Sugarcane	0.13	0.12	MT/A
2) Product Name (Production)			
Name of Products (Production)	During the Previous financial Year	During the current financial year	UOM
Bagasse	00	00	CMD
Pressmud	00	00	CMD
Sugar	0.07	0.06	CMD
Molasses	00	00	CMD
1) Particulars			
Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	250	165	CMD
Domestic Effluent	44	40	CMD
Total	480	266	
All others	00	00	

Reduction measures, investment proposal for environmental protection, abatement of pollution, prevention of pollution, (1) Investment in the district, the method of implementation

Description	Reduction in Water Consumption (M ³ /day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (kg)	Reduction in Power Consumption (KWH)	Capital Investment (Lacs)	Reduction in Maintenance (Lacs)
The Treated Effluent is utilized for land irrigation	7.00	540.00	20.00	2400	2.50	0.40

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production

2) Solid Waste	Qty of Solid Waste UOM	Concentration of Solid Waste
ETP sludge	50	MT/A
Fly ash	2440	MT/A

1) Hazardous Waste	Qty of Hazardous Waste UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	1.3	MT/A

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

3) Quantity Recycled or Re-utilized within the	Waste Type	unit	Total During Previous Financial year	Total During Current Financial year
0			00	00

From Pollution Control Facilities	Total During Previous Financial year	Total During Current Financial year
Non-Hazardous Waste Type	00	00

1) From Process	Total During Previous Financial year	Total During Current Financial year
Non-Hazardous Waste Type	2480	2440
ETP Sludge	1020	50

2) From Pollution Control Facilities	Total During Previous Financial year	Total During Current Financial year
Hazardous Waste Type	00	00

1) From Process	Total During Previous Financial year	Total During Current Financial year
Hazardous Waste Type	1.9	1.3

HAZARDOUS WASTES

Statement of Compliance for the Year

Detail of measures for Environmental Protection	Environmental Protection Measures
Plantation Programme	Tree Plantation

Capital Investment (Lacks)
0.40


Any other particulars in respect of environmental protection and abatement of pollution

Particulars

Adopt new technology for Control Air & Water pollution.

Name & Designation

Mr.Chandrakant G.Dhage


K. P. Tijare
(Process Manager)

Bhambashankar Satahar Karkhana Ltd
Dattatrayana Awasari Bk
Tel.Ambyach. 412 406