BHIMASHANKAR
SAHAKARI SAKHAR KARKHANA LTD.

भीमाशंकर
सहकारी साखर कारखाना लि.

Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 / 1994 Dt.31-3-1994
Dattatrayanagar, At.Post - Pargaon, Via Awasari (BK), Tal. Ambegaon, Dist.Pune. 412 406
Tel.Fax:(02133)284241, 284270, 9975568130 E-mail: bsskltd@gmail.com web site: www.bhimashankarssk.com, www.bsskl.sets.co.in
GSTIN : 27AAAABO949G1ZZ

BSSK/Mfg/4117 /2022-23 **By Mail** Date: - 05/02/2023

To,
The Deputy Director General of Forests (Central)
West Central Zone,
Regional Office,
Near Secretariat building,
VCA Ground, Civil lines, Nagpur-440001.
E mail I.D.- eccompliance-mh@gov.in.

Sub- Submission of Six Monthly EC Compliance Report.
(1st July 2022 to 31st Dec. 2022)
Ref- SIA/MH/IND2/74065/2020
(EC Identification No.EC22B022MH110015) Dt – 07/09/2022.

Dear Sir,

Factory has obtained environment clearance SIA/MH/IND2/74065/2020 (EC Identification No.EC22B022MH110015) on 07/09/2022 for 45 to 95KLPD Distillery & civil work is started in January 2023.Mechinery installation work is not yet started. We will comply conditions given in Environmental Clearance.

We are submitting herewith six monthly compliance report (From 1st July 2022 to 31st Dec.2022) for your reference.

Thanking you.

Yours Faithfully,

(C.G. Dhage)
Managing Director.

Encl-1) Environment Clearance Copy. 2) Part- A – Data Sheet.
3) Six Monthly EC Compliance report

Copy to- 1) Cental Pollution Control Board,
Parivesh Bhavan, East, Arjun Nagar,
Shahadra, Delhi-110032
2) Environment Department,
15 th floor, New Administrative Building,
Madam Kama Road, Mantralaya,
Mumbai – 400032.
3) The Regional Officer,
Maharashtra Pollution Control Board,
3rd Floor, "Jog Center "Building,
Wakadewadi, Pune. 411003.
4) The Sub- Regional Officer II,
Maharashtra Pollution Control Board,
2nd floor, "Jog Center" Building,
Wakadewadi, Punc 411 003.

Annexure

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA), Maharashtra)

To,

The Managing Director
BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
Dattatrayanagar, P.O. Pargoan via Awasari, Taluka: Ambegaon, Dist. Pune-410406 -410406

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/IND2/74065/2020 dated 28 Mar 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC22B022MH110015**
2.	**File No.**	SIA/MH/IND2/74065/2020
3.	**Project Type**	Expansion
4.	**Category**	B1
5.	**Project/Activity including Schedule No.**	5(g) Distilleries
6.	**Name of Project**	Expansion of existing Distillery from 45 to 95 KLPD of Bhimashankar Sahakari Sakhar Karkhana Ltd., at Dattatraynagar, Tal. Ambegaon, Dist. Pune, Maharashtra at Dattatraynagar – Pargaon (Tarf. Awasari Bk.), Tal. Ambegaon, Dist. Pune – Maharashtra by M/s. Bhimashankar Sahakari Sakhar Karkhana Limited
7.	**Name of Company/Organization**	BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
8.	**Location of Project**	Maharashtra
9.	**TOR Date**	24 Dec 2020

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 07/09/2022

(e-signed)
Manisha Patankar Mhaiskar
Member Secretary
SEIAA - (Maharashtra)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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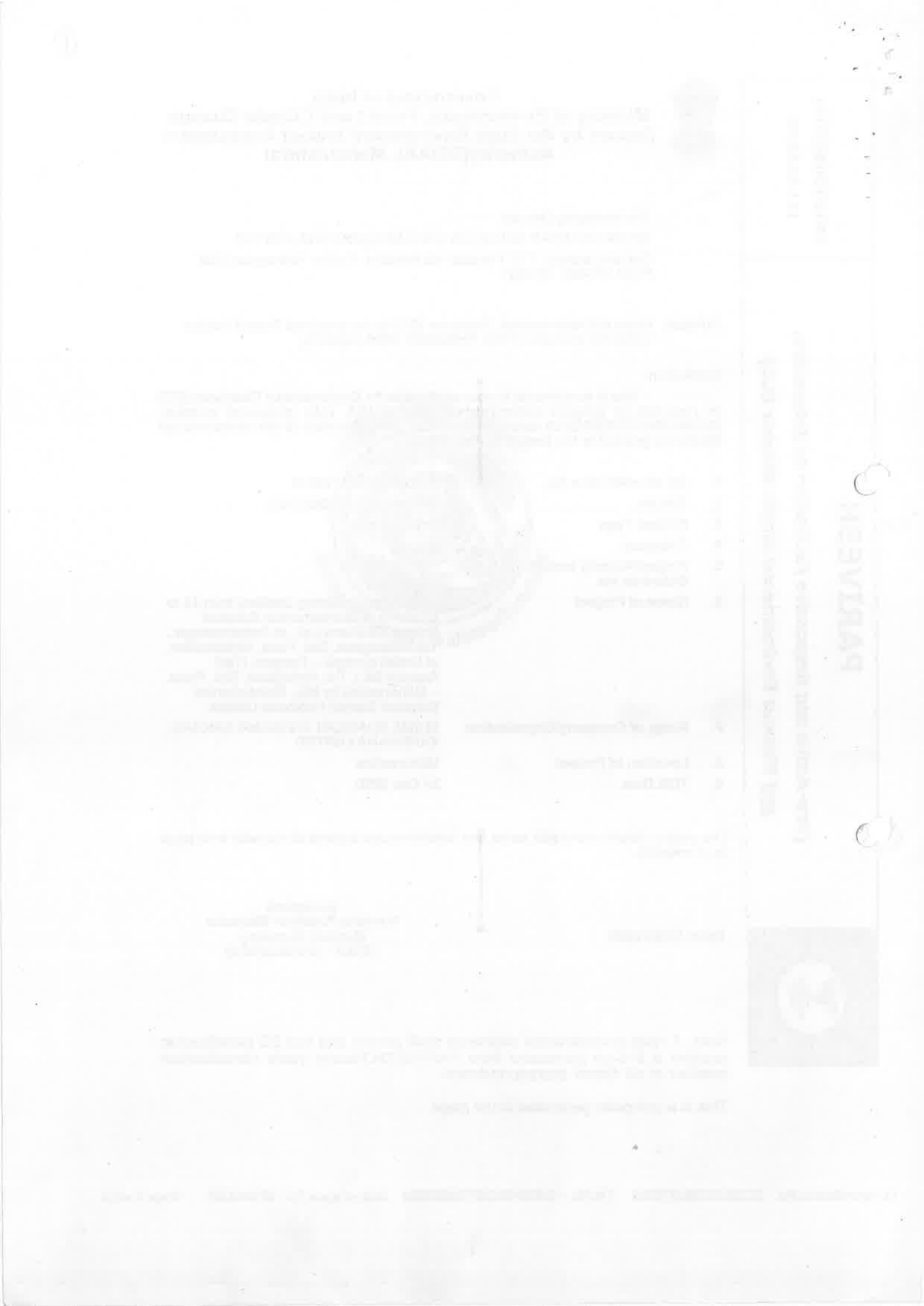


STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND2/74065/2020
Environment & Climate Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. Bhimashankar Sahakari Sakhar Karkhana Limited.
Dattatraynagar – Pargaon (Tarf. Awasari Bk.),
Tal. Ambegaon, Dist. Pune

Subject: Environmental Clearance for expansion of existing Distillery from 45 to 95 KLPD at Dattatraynagar – Pargaon (Tarf. Awasari Bk.), Tal. Ambegaon, Dist. Pune by M/s. Bhimashankar Sahakari Sakhar Karkhana Limited.

Reference: Application no. SIA/MH/IND2/74065/2020

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 226th meeting under screening category 5 (g) B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 249th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 26th August, 2022.

2. Brief Information of the project submitted by you is as below:-

<table>
<tr><th>Sr. No</th><th>Particulars Required</th><th>Details</th></tr>
<tr><td>1.</td><td>Name of the project & Address along with all corner latitude and longitude
<table>
<tr><th>Corner</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>A</td><td>18°58'55.58"N</td><td>74° 5'21.20"E</td></tr>
<tr><td>B</td><td>18°58'53.79"N</td><td>74° 5'30.50"E</td></tr>
<tr><td>C</td><td>18°58'47.12"N</td><td>74° 5'30.04"E</td></tr>
<tr><td>D</td><td>18°58'44.49"N</td><td>74° 5'37.79"E</td></tr>
<tr><td>E</td><td>18°58'36.67"N</td><td>74° 5'35.74"E</td></tr>
<tr><td>F</td><td>18°58'22.72"N</td><td>74° 5'33.03"E</td></tr>
<tr><td>G</td><td>18°58'21.08"N</td><td>74° 5'31.33"E</td></tr>
<tr><td>H</td><td>18°58'23.44"N</td><td>74° 5'29.49"E</td></tr>
<tr><td>I</td><td>18°58'20.20"N</td><td>74° 5'27.40"E</td></tr>
<tr><td>J</td><td>18°58'20.65"N</td><td>74°</td></tr>
</table></td><td>Expansion of Existing Distillery from 45 KLPD to 95 KLPD by M/s. Bhimashankar Sahakari Sakhar Karkhana Limited. At Dattatraynagar, A/P Pargaon via Awasari Bk., Taluka Ambegaon, District</td></tr>
</table>

			5'25.67"E		Pune, Maharashtra
	K	18°58'14.40"N	74° 5'21.26"E		
	L	18°58'16.41"N	74° 5'19.57"E		
	M	18°58'17.82"N	74° 5'10.41"E		
	N	18°58'29.00"N	74° 5'8.69"E		
	O	18°58'29.69"N	74° 5'16.44"E		
	P	18°58'36.28"N	74° 5'15.32"E		
	Q	18°58'44.21"N	74° 5'12.04"E		
	R	18°58'44.59"N	74° 5'22.16"E		
2.	Type of Organization (Private /Government/Semi Government etc.)				Cooperative
3.	Correspondence Address and contact details of Project Proponent				Dattatraya nagar, P.O. Pargoan via Awasari, Taluka: Ambegaon, Dist. Pune-410406 Contact: Chandrakant Gangadhar Dhage (Managing Director) Telephone - 2133-284231 Email ID: bsskltd@gmail.com
4.	Type of project (ToR/EC/Amendment in ToR/Amendment in EC/ Revalidation/ Expansion/Process change etc.)				EC
5.	Category of project as per EIA Notification 2006 amended from time to time (Pl. mention category A,B,B1,B2 etc. whichever is applicable)				B, B1
6.	If earlier ToR is obtained pl. mention details (ToR letter No. & Date, SEAC/EAC Meeting No.)				File No. SIA/MH/IND2/5933

		7/2020 dated 24.12.2020
7.	If earlier EC is obtained pl. mention EC Number & Date	**EC Distillery 45 KLPD:** SIA/MH/IND2/44156/2018 dated 31.03.2020 **EC Sugar 6000 TCD:** SEIAA-EC-0000000537 dated 27.11.2018 **EC Cogeneration 19 MW:** SEAC-2011/CR-755/TC2 dated 30.06.2012
8.	Whether the proposal is a violation case (yes/no)	NO
9.	Applicability of CRZ clearance (yes /no)	NO, Not Applicable
10.	Whether General /Specific Conditions are applicable to the project (Yes/No) If yes pl. give details	NO
11.	Whether Scrutiny fees paid as per SEIAA guidelines (Yes/No); If yes pl give payment details	Yes UTR No: HDFCR52020123066310887 **Amount** 4,00,000/- Deposited date: 30.12.2020
12.	Name of accredited Environmental Consultant & address along with Accreditation No. & Validity	MITCON Consultancy & Engineering Services Ltd. Behind

		DIC Office, Agri College Campus, Shivajinagar, Pune 411 005, Maharashtra (INDIA NABET Accreditation : NABET/EIA/2124/RA 0229_Rev 02
13.	Name of layout plan approving Authority	Town planning Authority and Dept. Industrial, Safety & Health
14.	Estimated cost of Project (in Rs. Lakhs)	9929
15.	Area of project (in Sq.m.)	493383.93 m^2
16.	Whether 33% green belt is provided (Yes/No)	Yes
17.	Area of Green Belt & No. of trees in the proposed project in Sq. m. (Pl. provide 2000 trees per hectare of green belt area)	Total greenbelt – 191320 m^2 (33.67% of total plot area) Existing greenbelt – 153120.0 m^2 Proposed greenbelt - 38280.0 m^2 Factory has existing 22968 nos. of trees in

<table>
<tr><td></td><td></td><td>the premises & planned to develop 5730 nos. trees in proposed greenbelt area.</td></tr>
<tr><td>18.</td><td>Width of internal roads and turning radius</td><td>9 m shall be maintained</td></tr>
<tr><td>19.</td><td>Details of proposed construction</td><td>Total Built-up Area (in sq.m): 112675.3 m^2</td></tr>
<tr><td>20.</td><td colspan="2">List of Raw materials & Storage Details (Pl. add on in the list if necessary)
<table>
<tr><th>#</th><th>Raw material</th><th>Cons. MT/M</th><th>Max Storage details</th><th>Haz. Cat</th><th>Proposed precaution to prevent accident</th></tr>
<tr><td>1.</td><td>Sugarcane juice</td><td>30000</td><td>Online utilization</td><td>-</td><td rowspan="11">• Provision of dyke wall
• Firefighting system as per OISD-117 norms.
• Fire hydrant system with fi water runoff collection
• Restrict entry of unauthorize person
• Keeping containers ventilated
• Regular monitoring an maintenance
• To avoid leakages
• Work permit system.</td></tr>
<tr><td>2.</td><td>B-Heavy molasses</td><td>8910</td><td rowspan="2">Existing: 4500 MT X 2, 6000 MT X1
Proposed: 10000 MT X 2
B-heavy : Tank with conical top & slopping bottom Capacity - 400 MT Qty. - 1 No.</td><td>-</td></tr>
<tr><td>3.</td><td>C-Molasses (off season)</td><td>8100</td><td>-</td></tr>
<tr><td>4.</td><td>Sulphur</td><td>600</td><td>Go down</td><td>-</td></tr>
<tr><td>5.</td><td>Hydrochloric acid</td><td>1200</td><td>Carboys</td><td>-</td></tr>
<tr><td>6.</td><td>Phosphoric acid</td><td>1500</td><td>Carboys</td><td></td></tr>
<tr><td>7.</td><td>Lubricant Oil</td><td>1500</td><td>Drums</td><td></td></tr>
<tr><td>8.</td><td>Antifoam agent</td><td>816.3</td><td>Carboys</td><td></td></tr>
<tr><td>9.</td><td>Nutrients (DAP)</td><td>2449.5</td><td>Carboys</td><td></td></tr>
<tr><td>10</td><td>YEAST</td><td>2258.7</td><td>-</td><td></td></tr>
<tr><td>11</td><td>Urea</td><td>19771.8</td><td>Gunny Bags</td><td>-</td></tr>
</table></td></tr>
</table>

21. **Production details**

Sr. No.	Name of the product	Existing capacity MT/M	Proposed capacity MT/M	Total capacity	Name of the product approving authority (like, FDA of pharmaceuticals)
1.	Sugar Crushing capacity [TCD]	6000	-	6000	-
2.	Cogeneration [MW]	19	-	19	
3.	Distillery ENA/RS/AA/Ethanol [KLD]	45	50	95	

22. Water Consumption & Effluent generation (All units in CMD)

Max total fresh water requirement at a time : 590

- Industrial fresh water: 585
- Domestic: 5

Effluent generation (CMD)

Total Effluent generation:

Total From Distillery: 630

Process Condensate: 314

Spent less : 142.5

Conc. Spent wash: 107

Cooling tower, Boiler blow down, Scrubber water: 61.68

Domestic: 4.

i) Source & Qty of water requirement (in CMD) : Ghod river

ii) Water supply permission obtained (Yes/No) & approving Authority: Yes, Permission is obtained from irrigation division for 0.288 million cubic meter of water per year.

Distillery: Fresh water balance

Particulars	Consumption (CMD)			Loss (CMD) Consumption/Loss/ recycled			Effluent generation (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial process	156.3	173.7	330	0	0.0	0	67.7	74.8	143
Industrial cooling	95.7	106.6	202	83.8	93.2	177	12	13.3	25.28
Boiler	19.9	22.3	42	7.6	8.2	16	12.5	13.9	26.40

	Domestic purpose	2.4	2.6	5	0.5	0.5	1	1.9	2.1	4
	Green belt	0	0.0	0	0	0.0	0	0	0.0	0
	Others (Specify if any) (Scrubber)	4.8	5.2	10	0	0.0	0	4.8	5.2	10.00
	Total	**279.1**	**310.4**	**589.5**	**91.9**	**101.9**	**193.8**	**98.9**	**109.3**	**208.2**

23.	Quantity of sewage generation (in CMD)	4
24.	Details of Sewage Treatment and Disposal of treated sewage:	Mobilized Sewage treatment plant
25.	**Detail of Effluent Generation (unit CMD)**	

Particulars	Existing	Proposed	
Qty. of effluent generation			
Qty. of high TDS/COD Effluent CMD	51	56	
Qty. Low TDS/COD effluent CMD	428	90.18	

26.	Whether Zero liquid Discharge Effluent Treatment is proposed (Yes/No)	Yes
27.	Brief Description of Effluent Treatment scheme	Condensate will be treated in CPU of capacity 900 CMD and treated water will be used for cooling tower make up, gardening. Raw Spent Wash will be concentrat

		ed in MEE and concentrated spent wash will be used in 22 TPH slop fired boiler as fuel.
28.	Qty of treated effluent proposed to be sent to CETP (pl. mention Name of CETP and its membership Details)	NA
29.	Please mention parameters of treated effluent to be achieved as per EP Rule,1986 and or stipulated by the SPCB.	

Parameter	Inlet concentration	Outlet concentration
pH	3.5-4.0	6.5-7.5
TDS	2000-3000	-
COD	4000-6000	<100
BOD	1000-3000	<10
Heavy metals	-	-
Benzene	-	-
Other if any Oil & Grease		

30.	Brief Note on proposed Rainwater harvesting scheme along with budget allocation	Industry has one existing & one proposed Rain water harvesting tank. Budgetary allocation: 35 Lakhs
31.	**Solid Waste management**	

Sr. No.	Type of waste	Qty MT/M	Source of generation	Disposal method	Plan to reduce solid waste generation if any
1.	Bagasse ash	899	Bagasse combustion in Boiler	Bagasse ash will be given to farmer as manure	-
2.	Incineration boiler ash	481.5	Incineration boiler	Will be sold to farmers to use as manure	-
3.	Coal ash	990	Combustion	Brick	Coal will

				in Boiler	manufacturer	be utilized as per need (For startup of boiler operation and considering moisture content in Bagasse)
	4.	Yeast sludge	2211	Fermentation unit	Used in composting with press mud and bagasse ash	Use for improved yeast culture
	5.	CPU Sludge	1555	CPU unit	Will be used as manure	-

32. **Hazardous Waste Generation & Disposal (As per HW Rule 2016)**

Sr. No.	Cat	Particulars	Source of generation, please include name of product	Exi. Qty. of generation MT/M	Proposed QTY and generation MT/M	Total Qty generation MT/M	Method and Disposal as per HW Rules 2016
1	5.2	Spent oil	Machineries	0.1	0.1	0.2	Sold to authorized recycler

33. **Fuel Consumption**

Sr. No.	Type of fuel	Consumption Qty. (TPD)			Use of Boiler / DG set	Ash %			SO2%			Air pollution Control/ equipment provided Y/N
		Existing	Proposed	Total		Existing	Proposed	Total	Existing	Proposed	Total	

	1	Bagasse		120	120	22 TPH Incineration boiler (existing 16 TPH boiler shall be replace with 22 TPH boiler)	2%	0.04-0.05	Yes
	2	Coal		132	132		15-25%	0.2-0.5%	
	3	Con. SW		106.8	106.8		15%	0.5- 0.96	

34. Brief Note on Air Pollution Control equipment's

22 TPH incineration boiler Proposed Stack height: 60 m; **APC:** Electrostatic precipitator

35. **Stack Details (Also include process vent details)**

Sr. No.	Section / unit	Source of pollution	Stack No.	Stack height	Height from ground	Internal Dia. (Inch)	Temp of exhaust gas
1.	22 TPH Boiler	Con. SW	1	60	60	1.5	180^{0}C

36. Energy

a)Source of power Supply :
Proposed Distillery TG: 2.0 MW

b)Maximum Demand (KVA) : 2000
c)whether DG sets will be provided (Yes/No): Yes
If yes

Sr. No.	No. of D.G sets		Capacity
	Existing	Proposed	
1.	1 * 1010 kVA	1 * 1250 kVA	2260 kVA

d) Please Mention if high tension line is passing through the plot : Yes /No –

	No If yes, pl. give details of safety measures adopted : NA
37.	**Details of use of renewable energy with budget allocation** **At present Factory is using bagasse as a renewable energy source for 19 MW cogeneration power plant, which is also considered as a renewable source of energy. However, factory will be** i.) Total Energy Demand : 2000 KVA ii.) Proposed renewable energy source capacity : 2000KVA iii.) Proposed Budget (in Rs. Lakhs): - iv) Timeline for implementation : 6-8 months
38.	**Details of public hearing (if applicable)** Date : 15.07.2021 Time : 12.00 pm Venue: Collector office, Pune Public hearing Panel :Chairman ,Dr. Jayashree Katare, Additional District Magistrate, Pune Member: Regional Officer, MPCB, Pune. Convener: Shri. Nitin Shinde, Sub Regional Officer, MPCB, Pune -2

Sr. No.	Issue raised public hearing	Applicant plan for its compliance/ Implementation	Budget allocation
1	How the air pollution will be prevented from project?	The main source of air pollution is stack/ chimney attached to the boiler. Hence, we are installing 60 meters height of chimney to the boiler. The most advanced devices like wet scrubber or ESP (Electro	Air pollution - Electrostatic precipitator Cost – 150.0 lakhs

				Static Precipitator) will be provided to it, due to which 80-85% of smoke will be prevented. Hence, there will not any ill- effects on the surrounding areas.	
		2	Source of water pollution in the project?	The main components of water pollution in the project are spent wash, spent lease and Condensate. The treatment will be given in the factory premises only. Not a drop of treated effluent will be discharged outside the factory. The treated effluent will be concentrated and the quantity of it will be minimized and then it will be used as fuel in the	CPU Cost – 160.0 lakhs

		Incineration Boiler. Hence, the treated effluent will not go outside the factory. This project is ZLD i.e. Zero Liquid Discharge Project.	
3	Job opportunities	There are job opportunities in the new distillery project. There will be requirement of 99 persons in the plant. Local people will be given opportunity in the job.	--
4	solid waste generation and disposal	The ash will be produced. It will be from bagasse and spent wash. The ash will also be produced from sugarcane, small bagasse in which potassium is in large quantity. As it is useful for agriculture, it will be	Solid waste Management recurring cost – 3.0 lakhs /yr.

			made available to the farmers to use as fertilizer.	
		Smoke affect the health?	No smoke will be emitted from the factory which will affect the health of the people. The fuel which will be used for boiler is bagasse from the factory. Basically, spent wash is not at all harmful. After burning of spent wash, the produced ash will be used in the agriculture fields as contains of potassium is large in it. The most modern devices i.e. Wet Scrubber or ESP (Electro Static Precipitator) will be installed due to which 85-90% smoke will be controlled. Hence generation	Air pollution - Electrostatic precipitator Cost – 150.0 lakhs

			of smoke will be very meagre. There will not be any ill-effects on the , health of the people residing near the vicinity of the plant	
	6	Solid waste dispo sal /	The ash which will be generated from the boiler in the form of solid waste. The ash will be potash-rich and it will be made available to local farmers for use in agriculture fields.	Solid waste Management recurring cost – 3.0 lakhs /yr.
	7	Steps to minimize the water pollution?	The main components which create water pollution from the factory are spent wash, spent lease and condensate. The treated effluent will be concentrated and the quantity of it will be minimized and it will be burnt in the Incineration Boiler as	CPU Cost – 160.0 lakhs

				fuel. The spent lease and condensate are the polluted components which will be treated in R.O. system or in CPU (Condensate Polishing Unit) which will be installed in the project. After treatment in RO system or in CPU, the water will be recycled and reused in the process. There will not be any generation of any effluent outside the factory.	

3 EMP (Please mention specific items proposed in EMP along with specific timeline for its implementation)

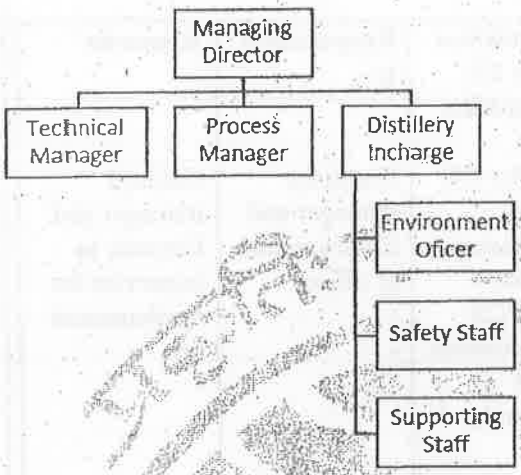
Construction Phase

Sr. No.	Attributes	Specific measures	Budget in Rs. Lakhs	Remark
1.	Environmental monitoring	Air, water, soil, noise	-	-
2.	Air	Water sprinkling, storage of raw material, covered vehicles	1	-
3.	Health Check up	Annual health camps	-	-
4.	Occupational Health	Safety and health & PPEs	2.5	-
5.	Green belt	Tree plantation	5	-

	development				

Operation Phase

Sr. No.	Attributes	Specific measures	Budget Rs. Lakhs	Timeline for 1/5 implement	Responsibility	Remarks
1.	Air pollution	ESP	150	After EC and Consent from MPCB maximum 4-5 months - -	Distillery manager and Environmental officer - -	General manager and Director to supervise the implementation - -
2.	CPU & Modular STP	CPU, STP	160			
3.	Environmental Monitoring (Air, water, waste water, Soil, Solid waste, Noise)	(Air, water, waste water, Soil, Solid waste, Noise monitoring)	-			
4.	Occupation health& safety	PPEs, Heath Checkup	5			
5.	Green belt development	Green Belt Plantation & maintenance	30			
6.	Solid waste management	Ash, press mud, collection, storage and compost yard	-			
7.	Rain water Harvesting	RWH tank	35			
4	Other Relevant Information : (Pl. provide brief note on proposed project)					-
4	Details of skill development program within Organization					-

4	Details of environmental Monitoring Cell (Pl. provide organogram with educated Qualification and experience)  	Environment officer will be appointed Qualification will be Postgraduate in science discipline/MS C environmental science/ BE/ME-Environment
4	Details of court cases if pending in any Hon'ble court	NA

3. Proposal has been considered by SEIAA in its 249th (Day-2) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions:

Specific Conditions:

A. SEAC Conditions

1. PP to obtain water lifting permission from the Competent Authority to lift water from Ghod River.
2. PP to submit point wise compliance of issues raised during Public Hearing along adequate mitigation measures, responsibility for compliance along with specific time lines and necessary budget allocation.
3. PP to complete development of mandatory green belt immediately with the provision of drip irrigation and submit photographs PP to plant 3-4 year old tree saplings.
4. PP proposes to sell carbon di oxide gas by providing bottling plant for collection and storage of carbon dioxide gas. PP to ensure that no carbon dioxide gas is emitted to the atmosphere. PP to carry out demand – supply calculations of CO2 gas for beverage industry and explore alternate use of CO2 gas capture and use.
5. PP to bifurcate cost proposed in the Environmental Management Plan (EMP) and submit revised EMP.
6. PP to provide Zero Liquid Discharge based Effluent Treatment PP to explore possibility to assess techno-economic feasibility of using technology for MEE such as low temperature/mechanical vapour compressor etc. so as to reduce operation cost and use of natural resources
7. PP to ensure enclosed storage with impervious flooring of all raw materials and chemicals, no open storage be practiced so as to avoid odour nuisance and its impact on the soil in case of spillage.
8. PP to submit copies of MoU executed with the brick manufacturer for disposal of boiler ash along with their quantities.

9. PP to provide asphalting on all internal roads so as to reduce particulate matter pollution during plying of vehicles within the premises.
10. PP to adopt modern technologies bio scrubber, negative pressure operation etc. for odour control and submit odour control management plan
11. PP to ensure to reduce spent wash generation within 6-8 KL/KL of alcohol produced
12. PP to ensure to utilize CER fund (Rs. 99 Lakhs) before the commissioning of the manufacturing activity in consultation with the District Collector.
13. PP to ensure to restrict fresh water consumption within 10 KL/KL of alcohol production
14. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.

B. SEIAA Conditions

1. PP submitted revised layout showing existing green belt area of 1,53,120.00 m2 and Proposed Green Belt area of 38,280.00 m2. Total greenbelt of 1,91,320.00 m^2 (33.67% of total plot area).
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
11. PP to provide roof top Rain Water Harvesting facility.

General Conditions:

I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in

II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1sr December of each calendar year.

III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.

IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.

V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.

VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.

VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.

VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.

IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.

X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.

XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.

XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Manisha Patankar Mhaiskar
(Member Secretary, SEIAA)
7/9/2022

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC, IA- Division MOEF & CC
3. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
4. Regional Office MoEF & CC, Nagpur
5. District Collector, Pune
6. Regional Officer, Maharashtra Pollution Control Board, Pune

Signature Not Verified
Digitally signed by Manisha Patankar Mhaiskar
Member Secretary
Date: 9/7/2022 6:29:43 AM

45 to 95 KLPD Distillery EC

SIX MONTHLY COMPLIANCE REPORT

Part-I

DATA SHEET

1	**Project Type:** River Valley/Mining/Industry/Thermal/Nuclear/Others (Specify)	Industry
2	**Name of the Project**	Expansion of Existing Distillery from 45 to 95 KLPD of Bhimashankar Sahakari Sakhar Karkhana Ltd.Dattatrayanagar,Pargaon Tarfe Awasari Bk.,Tal_Ambegaon Dist-Pune Pin- 412406
3	**Clearance letter(S)/OM No. and Date**	SIA/MH/IND2/44156/20174065/2020 Dt – 07/09/2022 E.C. Identification No.EC22B022MH110015
4	**Location** a) District (s)	Pune
	b) State (s)	Maharashtra
	c) Location latitude / longitude	Latitude $18^0$58' 30.57"N and Longitude 74°5'31.68"E
5	**Address For Correspondence**	
	a) Address of the Managing Director(with Pin code/Telephone/Telex/Fax/Numbers)	Mr. Chandrakant G. Dhage Bhimashankar Sahakari Sakhar Karkhana Ltd.Dattatrayanagar, Pargaon Tarfe Awasari Bk.,Tal_Ambegaon, Dist-Pune, Pin- 412406 Phone No.-99755568130, 8888846990.
6	**Salient Features**	
	a) of the Project	This Distillery unit situated at Dattatrayanagar.
	b) of the Environmental Management Plans	Environment Management Plan Includes – Green Belt Development (Plantation with mostly indigenous plant species) Measures to avoid sound pollution Water Environment Solid waste management Rain water Harvesting Firefighting system
7	**Breakup of the Project Area**	
	Submergence area : Forest & Non Forest	N.A.
	Others	Plot Area-580000 m2 Total Built up area - 72844 m2 Open area- 513952 m2
8	Break up the Project affected population with the enumeration of those losing Houses/Dwelling units only, Agricultural Land & Landless Laborers /Artisans:	Project land is owned by project proponent. Population is not affected.
	a) SC,ST / Adivasi	N.A.

	B) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)	N.A.
9 (a)	**Financial Details**: Project cost as originally planned and subsequent revised estimates and the year of price reference	Total Project Cost- 9929Lakhs.
(b)	Allocation made for environmental management plans with item wise and year wise breakup	Project Civil work has started in Jan.2023. But electromechanical work is not yet completed
c)	Payback Period	----
d)	Whether (c) includes the cost of environmental management as shown in the above	Project Civil work has started in Jan.2023. But electromechanical work is not yet completed.
e)	Actual expenditure incurred on the project so far	Project Civil work has started in Jan.2023. But electromechanical work is not yet completed.
f)	Actual expenditure incurred on the environmental management plans so far.	Project work is not yet initiated.
10	**Forest Land Requirement**:-	
a)	The Status of approval for diversion of forest land for non-forestry use.	N.A.
b)	The status of clearing felling	N.A.
c)	The Status of compensatory afforestation, if any comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	N.A.
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads) if any with quantitative information required.	N.A.
12	**Status of construction** (Actual & / or Planned)	Project Civil work has started in Jan.2023
a)	Date of commencement (Actual & / or Planned)	Planned in October 2023
b)	Date of completion (Actual & / or Planned)	Expected up to October 2023
13	Reasons for the delay if the project is yet to start	-
14	**Dates of the site visits-** The dates on which the project was monitored by the Regional Office on previous occasions, if any.	Mr.Suresh Kumar Adappa (Scientist D), MoEF, Regional Office, Nagpur visited on date 22/06/2021 and Satisfactory report is issued.
a)	Details of correspondence with project authorities for obtaining action plan/information on status of compliance to safeguards other than the routine letters for logistics support for site visit.(the monitoring report may obtain the details of all letters issued so far but the later reports may cover only the letters issued subsequently.	No show notices of pollution department. We are regularly monitoring both air & water data as per CPCB guidelines & parameters are within limit.

K. P Tijare
(Process Manager)
Bhimashankar Sahakari Sakhar Karkhana Ltd
Dattatrayanagar, Pargaon Via - Awasari (K)
Tal.Ambegaon, Dist.Pune - 412 406

45 to 95 KLPD Distillery EC Compliance Conditions

Con No	Condition	Compliance
Specific conditions- **A. SEAC Conditions-**		
1.	PP to obtain water lifting permission from the Competent Authority to lift water from Ghod River.	In the year 1998,we have taken permission to lift 0.288 million cubic meter from The Executive Engineer, Krishna Khore Vikas Mahamandal,Pune Also, in 2020.In 2020, we have renewed agreement for six year. Copy of Water permission & agreement attached. (Ann.I) (Page No.33 to 48)
2.	PP to submit point wise compliance of issues raised during Public Hearing along adequate mitigation measures responsibility for compliance along with specific time lines and necessary budget allocation.	We have submitted point wise compliance of issues raised during public hearing along adequate mitigation measures.Public Hearing MoM attached. (Ann.II) (Page No. 49 to 58)
3.	PP to complete development of mandatory green belt immediately with the provision of drip irrigation and submit photographs PP to plant 3-4 year old tree saplings.	6502 trees has been planted on 33% of the total area of the factory with drip irrigation and planned to plant another 5000 trees on the remaining area. (Certificate issued by Regional. Forest Officer .Manchar and Taluka Agriculture Officer and Photographs are Attached. (Ann –III) (Page No. 59 to 66)
4.	PP proposes to sell carbon dioxide gas by providing bottling plant for collection and storage of carbon dioxide gas. PP to ensure that no carbon dioxide gas is emitted to the atmosphere. PP to carry out demand-supply calculations of Co2 gas for beverage industry and explore alternate use of Co2 gas capture and use.	30TPD Co_2 Bottling plant will be provided for process generated Carbon dioxide bottling as per specification attached .(Ann.IV- Page No. 67 to 68)

5.	PP to bifurcate cost proposed in the Environmental Management Plan (EMP) and submit revised EMP.	We have revised the Environmental Management Plan (EMP). Copy attached (Ann.V- Page No.69 to 70)
6.	PP to provide Zero Liquid Discharge based Effluent Treatment PP to explore possibility to assess techno economic feasibility of using technology for MEE such as low temperature /mechanical vapour compressor etc.so as to reduce operation cost and use of natural resources.	We ensure you that there will be no increase in the effluent load to ETP.
7.	PP to ensure enclosed storage with impervious flooring of all raw material and chemicals, no open storage be practiced so as to avoid odour nuisance and its impact on the soil in case of spillage .	We will store raw material and chemicals as per conditions to avoid odour and leakages to the soil.
8.	PP to submit copies of MoU executed with the brick manufacturer for disposal of boiler ash along with their quantities.	We will submit copies of brick manufacturer for disposal of boiler ash along with their quantities before starting the Distillery.
9.	PP to provide asphalting on all internal roads so as to reduce particulate matter pollution during plying of vehicles within the premises.	We will provide asphalting on all internal roads so as to reduce particulate matter.
10.	PP to adopt modern technologies bio scrubber, negative pressure operation etc. for odour control and submit odour control management plan.	We will arrange modern technologies for odour control .
11.	PP to ensure to reduce spent wash generation within 6-8KL/KL of alcohol produced.	We will reduce spent wash generation within 6-8 KL / KL of alcohol produced.
12.	PP to ensure to utilize CER fund (Rs.99 Lakhs) before the commissioning of the manufacturing activity in consultation with the District Collector.	CER fund will be approved from the District Collector & utilize before starting the Distillery
13.	PP to ensure to restrict fresh water consumption within 10KL/KL of alcohol production.	We will minimize fresh water consumption of alcohol production.

14.	PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.	We will complete rain water harvesting facility before starting the Distillery.
B. SEIAA Conditions -		
1.	PP submitted revised layout showing existing green belt area of 1,53,120.00m2 and proposed Green Belt area of 38,280.00 m2. Total green belt of 1,91,320.00m2 (33.67% of total area)	6502 trees has been planted on 33% of the total area of the factory and certificate have been given by Regional. Forest Officer .Manchar and Taluka Agriculture Officer. It is planned to plant 5000 trees on the remaining area.
2.	PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple,Neem,Jamun and other suitable trees as per the Forest Department ,Govt. of Maharashtra Circuler no.SaVaVi-02019 /C.R.3/F-11, dated 25th June 2019.The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts/arborist.	Tree Species are selected as per the Forest Department (Certificate issued by Regional. Forest Officer .Manchar and Taluka Agriculture Officer & photographs are attached in Ann –III)
3.	PP to strictly observe the Solid Waste Management Rules,2016 as amended time to time.	We will follow the rules of solid waste management
4.	PP to strictly observe the Hazardous and Other Wastes(Management & Trans Boundary Movement) Rules,2016 as amended time to time.	We will follow the rules of solid waste management
5.	PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameter stipulated in the Environment (Protection) Rules,1986 amended time to time & Air (Prevention and Control Of Pollution) Act ,1981 amended time to time.	This is our routine practice. Analysis Reports are attached (Ann.VI)(Page No. 71 to 74).
6.	PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules,1989	We will transport, storage, handling and use of the flammable/toxic chemicals as per conditions.

	amended time to time to ensure no release of nay chemical to the atmosphere and leakage to the soil.	
7.	PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).	Anticipated odor generation sources will be molasses, fermentation unit, spent wash, ETP septic tank, Yeast storage & ETP sludge. Following control measures will be implemented to avoid the odor in the atmosphere. -Better House keeping - Process is under closed conditions. -Spent wash from evaporation will be stored in RCC tank and directly send to the incineration in boiler. -No bio-methnation will be adopted -Fermentation unit will be provided with proper cover to avoid the spread of odor and regular steaming of all fermentation equipment's, temperature will be kept under control during fermentation to avoid inactivation/killing of yeast, staling of fermented wash would also be avoided.
8.	PP to obtain approval and License from the Directorate of Industrial Health & Safety (DISH) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules,1963 and ensure compliance of recommendation of the Audit.	We have obtained and License from the Directorate of Industrial Health & Safety (DISH) for Sugar & Co-gen project. Copy attached (Ann.VII) (Page No.75 to 76) We will be carry out Safety audit for proposed project.
9.	PP to Provide solar energy for illumination of Administrative Building, Street Lights and Parking area.	Solar energy lights will be installed at various places
10.	PP to ensure use of briquette /bio coal/pellets/or such suitable product derived from scientific processing of	We are agree with the same.

	appropriate stream of dry waste/agricultural waste, not less than 50 % of the total fuel requirement to the boiler.	
11.	PP to provide roof top Rain Water Harvesting facility.	We will complete rain water harvesting facility before starting the Distillery.
General Conditions-		
I	The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board website of the company and may also be seen at Website http://parivesh.nic.in	Karkhana published advertise of EC in local newspapers - 1) Financial Standard (English)– 14th September 2022 2) Punyanagari (Marathi) - 14th September 2022 (Copy Attached Ann.VIII)(Page No.77 to 80)
II	The Project proponent shall upload the status of compliance (Soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air. water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Control Board, SEIAA and Regional Office of MoEF & CC at Nagpur ,on 1st June & 1st December of each calendar year.	Submitting regularly. (Screen shot copy Attached-Ann.IX) (Page No.81 to 82)
III	A Separate funds shall be allocated for implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. These cost shall be included as part of the project cost .The fund earmarked for the environment protection measures shall	We have received the EC in September 2022. Project Civil work has started in Jan.2023. But machinery installation work is not yet started. * For Environment Management Protection separate fund will be allocated.

	not be diverted for other purposes and year wise expenditure should reported to the MPCB & SEIAA.	* Management is very committed for the same. * The funds earmarked for Environment will not be diverted to any other account head.
IV	A separate environment management cell with qualified staff shall be set up for Implementation of the stipulated environmental safeguards.	Environment Management cell is established. It is headed by a qualified and experienced environmental officer having experience more than 10 years.
V	In the event of the failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safety till the effective functioning of pollution control equipment's is regained.	After failure of pollution control device, we will immediately stop the Boiler operation & restart after activation of pollution controlling device. We shall intimate both CPCB & MPCB time to time by mail in this regard without any delay.
VI	PP to strictly follow conditions stipulated in to Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.	We are strictly follow Consent conditions .
VII	PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.	We will arranged of proper drainage for storm water & effluent & there is no mixing of waste water & storm water in the new plant.
VIII	Periodic monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and result analyzed to ascertain any change in the quality of water. Result shall be regularly submitted to the Maharashtra Pollution Control Board	This is our routine practice. Ground Water Monthly Analysis Reports are attached (Ann. X)(Page No. 83 to 94).
IX	The overall noise level in and around the factory premises shall be kept well within the standards under the Environment (protection) Act, 1986 Rules,1989 as amended from time to time by providing adequate noise	We will provide Noise proof cabins to operators wherever possible. Also will provide ear plugs to employees.

	control measures and protective equipment's like ear muff and ear plug etc.	
X	Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection devices shall also be installed for early detection and mitigation purpose.	Adequate safety measures will be provided.
XI	PP to scrupulously follow the requirements of Maharashtra Factories Act,1948 & Rules 1963 as amended from to time to time.	We strictly follow Maharashtra Factories Rules as amended from to time to time.
XII	The environment statement for each financial year ending 31st March in Form –V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection)Rules,1986,as amended subsequently, shall also be put on the website of the company along with the status of the compliance of conditions stipulated in the Environmental Clearance letter.	Submitting Regularly. (Ann.XI)(Page No.95 to 98)

K. P Tijare
(Process Manager)
Bhimashankar Sahakari Sakhar Karkhana Ltd.
Dattatrayanagar, Pargaon Via - Awasari Bk
Tal.Ambegaon, Dist.Pune - 412 406

(I)

जा.क्र. मकृखोविम/औपापु/४९८/३९३/९८)/प्र.१-४/

महाराष्ट्र कृष्णा खोरे विकास महामंडळ,
सिंचन भवन, बाणेर रोड, पुणे - ४३
दिनांक ०५.०६.९८

ज्ञापन

विषय औद्योगिक वापरासाठी भीमा शंकर सह साखर कारखाना ता. आंबेगाव जि. पुणे उचल पाणी परवाना

संदर्भ १ मुख्य अभियंता (पा), सिंचन भवन पुणे यांचे पत्र क्र. सिंचन/ काअ-२/ ६६२७/ कोल्हापूर का
प. बधारा/२३७५/दि. ३१.०५.९८

प्रास्ताविक :

महाराष्ट्र कृष्णा खोरे विकास महामंडळाच्या वतीने खालील निर्देशित विषय सिंचन योजनेस (औद्योगिक) मान्यता देण्यात आली असून, त्यानुसार सदरचे ज्ञापन प्रसृत करण्यात येत आहे.

भीमा शंकर सह. साखर कारखाना ता. आंबेगाव जि. पुणे याना लागणाऱ्या वार्षिक पाणी कोटा ०.२८८ दलघमी. (पिण्यासाठी ०.०७२, औद्योगिक ०.२१६) परिमाणाची मांडवी नदीवरील कोल्हापूर को. प. बधाऱ्यातून उचल पाणी परवान्याची शिफारस मुख्य अभियंता (पा), पुणे यानी त्याच्या वरील संदर्भीय पत्रानुसार केली आहे. सस्नेस पाणी पुरवठा करण्यासाठी पुढील निर्णय घेण्यात येत आहे.

निर्णय :

भीमा शंकर सह. साखर कारखाना ता. आंबेगाव जि. पुणे या संस्थेसाठी मांडवी नदीवरील कोल्हापूर को. प. बधाऱ्यातून त्यांनी विनंती केल्यानुसार खालील दर्शविलेल्या प्रयोजनासाठी व निर्देशित केलेल्या परिमाणाच मर्यादेत राहून पाणी उचलण्यास खालील अटी व शर्तीच अधीन राहून मंजूरी देण्यात येत आहे.

पाण्याचे परिमाण - (दलघमी/वर्ष)

वर्ष	औद्योगिक वापर	शेतीसाठी वापर	घरगुती वापर (पिण्यासाठी)	एकूण वापर	सिंचन कपात हेक्टर
प्रति वर्षी	०.२१६		०.०७२	०.२८८	१०६

अटी व शर्ती :

१. अर्जदार संस्था स्वखर्चाने सर्वांधित योजना बांधून कार्यान्वित करेल.
२. योजनेच कामास प्रत्यक्ष सुरुवात करण्यापूर्वी महामंडळाकडील पाटबंधारे विभागाचे संबंधित कार्यकारी अभियंत्यांबरोबर महाराष्ट्र कृष्णा खोरे विकास महामंडळाने ठरविलेल्या मसुद्यानुसार करारनामा करावा लागेल. करारनामा केल्यानंतरच पाणी परवाना मंजूरी कार्यान्वित होईल.
३. महामंडळाने वेळोवेळी ठरवून दिलेल्या पाणीपट्टीच्या दराने पाणी पुरवठ्याची आकारणी केली जाईल आणि त्याबाबत मतभेद झाल्यास ती पाणी पट्टी आकारणी अर्जदार संस्था यांनी मंडळाकडील संबंधित कार्यालयामध्ये भरणे. त्यामध्ये पाणीपट्टीची आकारणी ही एकूण पाणी वापरावर करण्यात येईल. पाणी वापरात तफावत आढळल्यास पाणी वापर, पाणीमापन यंत्राचा अंतर्भाव राहतील.
४. पाणी पुरवठ्याचे तसेच योजनेच्या बांधकामाचे संबंधात महामंडळाकडील पाटबंधारे विभागाचे संबंधित नियम तसेच महामंडळाने वेळोवेळी मंजूर केलेले नियम व अटी अर्जदार संस्थेवर बंधनकारक राहतील.

उपलब्धतेच्या वर्षात त्या वर्षापुरती मंजूर पाणी पुरवठ्यात कपात करण्याचा अधिकार पाटबंधारे विभागाच्या (महामंडळाच्या) कार्यकारी अभियंताचा राहील. परिणामी कोणत्याही प्रकारच्या नुकसानीची जबाबदारी महामंडळावर राहणार नाही.

६ नदी/कालव्या/जलाशयातील पाण्याच्या दर्जा/गुणवत्तेबाबत पाटबंधारे विभाग (महामंडळ) जबाबदार राहणार नाही व त्यास जबाबदारही धरता येणार नाही.

७ प्रवाह बंद असलेल्या काळासाठी किमान तेवढा वेगळा साठवण क्षमता. पाणी पुरवठ्याची विश्वासार्हता राखण्यासाठी योजनेच्या आयकाम कालावधीत निर्माण करावी लागेल. ही क्षमता प्रस्तुत प्रकरणात २ (दोन) महिन्याची असेल.

८ उपकरासह पाणी पट्टी देयके/मागणी (एकपटीने किंवा दंडाच्या दराने) विहित कालावधीत न भरल्यास पंपाच्या विजेचा पुरवठा बंद करणेसाठी महाराष्ट्र राज्य विद्युत मंडळाच्या अधिकाऱ्यांना कळविण्यात येईल व उपकरासह थकीत पाणीपट्टी भरल्यावरच पंपासाठीचा विद्युत पुरवठा पुन्हा सुरु करण्याबद्दल महाराष्ट्र राज्य विद्युत मंडळास कळविण्यात येईल. सदर बीज पुरवठा संस्थेने स्वतःचे खर्चाने महाराष्ट्र राज्य विद्युत मंडळाकडून सुरु करुन घ्यावा.

९ सदर कंपनीने त्यांच्या स्वखर्चाने करील मंजूर उपरोक्त पाणी कोट्याच्या मापनासाठी यंत्रसामुग्री (मीटर) बसवावा व त्याची वेळोवेळी निगा राखून तो सतत अव्याहत चालू स्थितीत ठेवावा. पिण्याचे पाणी व औद्योगिक वापराचे पाणी यासाठी स्वतंत्र पाणी मीटर व्यवस्था कंपनीस. स्वखर्चाने करावी लागेल. महामंडळांतर्गत पाटबंधारे विभागाच्या अधिकाऱ्यांना या यंत्रसामुग्रीची केव्हाही/कितीही वेळा पाहणी करण्याची मुभा राहील. तसेच मोजमापाच्या नोंदी महामंडळाच्या अंतर्गत पाटबंधारे विभागामार्फत कंपनीने स्वखर्चाने ठेवाव्यात व नोंदीची माहिती सदर विभागाच्या अधिकाऱ्यांना पाहणीसाठी केव्हाही उपलब्ध असावी. ही माहिती सुरक्षित ठेवण्याची जबाबदारी कंपनीवर राहील.

१० जलमापनाची यंत्रसामुग्री (मीटर) बसविल्याशिवाय व कार्यान्वित केल्याशिवाय करारनामा अंमलात येणार नाही.

११ उपरोक्त परिमाणाच्या मंजूर केलेला पाणीसाठा कंपनीने वापरला नाही तरीही मंजूर पाणीसाठ्याच्या किमान ९०% पाण्यासाठी कंपनीस उपकरासह पाणीपट्टी भरावी लागेल. पाण्याचा भविष्यातील वापराचा तपशील उपरोक्त तक्त्यात दिलेला असला तरी दरम्यानच्या काळात त्या वर्षाचा वापर त्या वर्षाला मंजूर केलेल्या परिमाणापेक्षा जास्त असणार नाही. कंपनीला जर त्या वर्षाच्या मंजूर परिमाणापेक्षा जास्त पाणी वापर करावयाचा असल्यास तशा प्रत्यक्ष वापराच्या अगोदर किमान ३ महिने लेखी परवानगीसाठी अर्ज करुन त्याची मंजूरी घेणे आवश्यक आहे. अशा मंजूरीशिवाय पाणी वापर दंडनीय दराने आकारणीस पात्र ठरेल.

१२ सदर कंपनीस उचललेल्या पाण्याचा खर्च वर्षाचे बाराही महिने एकूण परिमाणासाठी महामंडळाच्या त्यात्या वर्षाचे प्रचलित दराने उपकरासह भरणे बंधनकारक राहील.

१३ सदर कंपनी परिमाणाचे मंजूर पाणी प्रत्यक्ष उचलण्यापूर्वी महामंडळाच्या अंतर्गत पाटबंधारे विभागाच्या अधिकाऱ्यांना प्रत्यक्ष पाणी उचलण्याच्या जागेचे ठिकाण निश्चित करणे बंधनकारक राहील.

१४ कंपनीस उपरोक्त परिमाणाचे मंजूर पाणी प्रत्यक्ष उचलण्यापूर्वी करावे लागणारे [illegible]

वरील अटीचा समावेश असलेला १८ वर्षे मुदतीच्या दिलगर करारनामा हे पत्र मिळाले पासून तीन महिन्याचे आत (९० दिवसात) करावा लागेल राखून किंवा ठेव स्वरूपात उपरोक्त १८ वर्षाच्या कालावधीसाठी. संस्थेने दोन महिन्याच्या पाणी पट्टीची अनामत रक्कम महामंडळाकडे संबंधित कार्यकारी अभियंता याच्याकडे आगाऊ भरणे आवश्यक आहे. तसेच संस्थेस दोन महिन्याचा पाणीसाठा (storage) १९९० च्या शासन निर्णयानुसार स्वखर्चाने करावा लागेल व हा करारनामा झाल्यानंतरच प्रत्यक्ष पाणी वापराची परवानगी अंमलात येईल. या पत्राची प्रत कार्यकारी अभियंता व कंपनीच्या अधिकृत व्यक्तीच्या (Authorised Signatory) स्वाक्षरीने करारास जोडपत्र म्हणून लावण्यात यावी.

१५ पाटबंधारे प्रकल्पातून बिगर सिंचन पाणी पुरवठ्यासाठी घेण्याच्या (शिर्षकाम) जलसाठा करण्यासाठी येणारा अथवा आलेला खर्चापैकी महामंडळ निश्चित करून असा पाणी वापराचा यथाप्रमाण खर्च अदा करण संस्थेवर बंधनकारक राहील. संस्थेच्या पाणी परवाना हा औद्योगिक उपयोगासाठी असल्याने संस्थेने पाणी मागणी ही संपूर्णपणे औद्योगिक उपयोगासाठी समजण्यात यावी त्याप्रमाणे पाणीपट्टी दर संस्थेच्या पाणी वापरास लावण्यात येईल.

१६. **प्रस्तुत प्रस्तावाची पाणी मागणी ही को. प. बंधाऱ्यातून असल्यामुळे रब्बी हंगाम संपल्यानंतर पाणी देण्याबाबत महामंडळ कोणत्याही परिस्थितीत जबाबदार राहणार नाही.**

म.कृ.खो.वि.म. करिता,

m.k.kulkarni

कार्यकारी अभियंता

प्रत मुख्य अभियंता (पा). सिंचन भवन. पुणे यांना माहितीसाठी व आवश्यक त्या कार्यवाहीसाठी

प्रत अधीक्षक अभियंता. पुणे पाटबंधारे मंडळ. पुणे यांना माहितीसाठी

प्रत कार्यकारी अभियंता. पुणे पाटबंधारे विभाग. पुणे यांना माहितीसाठी

१ करारनामा करणेपूर्वी संस्थेकडून महाराष्ट्र प्रदूषण नियंत्रण मंडळाचे मृदत वाढीचे व अटी व शर्ती यामधील अनुक्रमांक ३ प्रमाणे प्रमाणपत्र मिळवून ते करारनाम्यास लावावे

२. करारनाम्याचे नूतनीकरण करणेपूर्वी महामंडळाचे उपरोक्त अटी व शर्तींचे काटेकोरपणे पालन होणे महत्त्वाचे आहे.

३ पाणी परवाना हे महामंडळाला महसूल मिळवून देण्याचे साधन आहे त्यामुळे महसूल वसूलीबाबत काटेकोरपणे व सतर्क राहणे अत्यंत महत्त्वाचे आहे

४ करार झाल्यानंतर संस्थेकडून पाणी वापराच्या यथाप्रमाण घेतलेल्या जलाशय व्यवस्थापनाची ५ गतकालीन महामंडळाला अवगत करावे

A G R E E M E N T

For Non - Irrigation Water Supply

Bhimashankar Sahakari Sakhar Karakhana Ltd

Dattatrayanagar, Pargaon Via. Awasari Bk.
Tal - Ambegaon, Dist.- Pune
(Karkhana)

With

Kukadi Irrigation Division No.1

Narayangaon, Tal.- Junnar, Dist.- Pune

महाराष्ट्र MAHARASHTRA ◑ 2019 ◑ AU 239414

अनुक्रमांक 3989 दि.२७/१/२०२० रू.५००x2=१०००/-

मुद्रांक कोणत्या कारणासाठी वापरावयाचा आहे---करारनामा---

मुंबई मुद्रांक अधिनियम,१९५८ चे अनुच्छेद क्र.----------

संपूर्ण नांव भीमाशंकर सह. साखर कारखाना मर्या, दत्तात्रयनगर

संपूर्ण पत्ता- पारगाव तर्फे अवसरी बु.ता. आंबेगाव, जि.पुणे

हस्ते व्यक्तीचे नांव ----------

संपूर्ण पत्ता- राहुल विनोद अहिवरे

घोडेगांव, ता. आंबेगाव, जि.पुणे

सह दुय्यम निबंधक आंबेगाव

0 7 JAN 2020

उप कोषागार अधिकारी, आंबेगाव

मुद्रांक धारकाची/ हस्ते व्यक्तीची सही

विक्रेता अरविंद काळे
परवाना धारक मुद्रांक विक्रेता, प.क्र.२२०२०१३
परवान्याची मुदत दि.३१ मार्च २०२१
घोडेगांव, ता.आंबेगाव, जि.पुणे.

ज्या कारणासाठी जास्ती मुद्रांक खरेदी केली त्यासाठी त्याच कारणासाठी मुद्रांक खरेदी केल्यापासून ६ महिन्यात वापरणे बंधनकारक आहे.

AGREEMENT

(For non-Irrigation water Supply)

An agreement made on the **18th day of January, 2020** between BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD., a Local self Government body such as Grampanchyat, Municipal authorities, Zilla Parishad, Jeewan Pradhikaran or Company Industrial Corporation (which expression hereinafter referred to as the company shall unless excluded by or it be repugnant to the context or meaning thereof be deemed to include successors and assigns) registered under the Indian companies Act, 193 (VII of 1913), the companies Act, 1956 (1 of 1956) and having its registered office at Dattatrayanagar, Pargaon via Awasari Bk., Tal.- Ambegaon, Dist. - Pune Hereinafter referred to as the company of the one part

MANAGING DIRECTOR
Bhimashankar S. S. K. Ltd. Dattatraynagar
A/p- Pargaon, Via - Awasari Bk.

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महाराष्ट्र MAHARASHTRA ◑ 2019 ◑ AU 239415

अनुक्रमांक ३९४१ दि.१५/१/२०२० रू. ५००×२=१०००/-

मुद्रांक कोणत्या कारणासाठी वापरावयाचा आहे- कराराचा

मुंबई मुद्रांक अधिनियम,१९५८ चे अनुच्छेद क्र.----------

संपूर्ण नांव भीमाशंकर स.स. साखर कारखाना मर्या. पुणे-अहमदनगर

संपूर्ण पत्ता पारगाव मेंढ अवसरी बु.ा. ता. आंबेगाव, जि. पुणे

हस्ते व्यक्तीचे नांव राहुल विनोद डामसे

संपूर्ण पत्ता- घोडेगाव, ता. आंबेगाव, जि. पुणे

उप कोषागार अधिकारी आंबेगाव
07 JAN 2020
उप कोषागार अधिकारी, आंबेगाव

ज्या कारणासाठी ज्यांनी मुद्रांक खरेदी केली त्यांनी त्याच कारणासाठी मुद्रांक खरेदी केल्यापासून ६ महिन्यात वापरणे बंधनकारक आहे.

मुद्रांक धारकाची/ हस्ते व्यक्तीची सही

अरविंद काळे
परवाना धारक मुद्रांक विक्रेता, प.क्र.२२०२०१३
परवान्याची मुदत ३१ मार्च २०२१
घोडेगांव, ता.आंबेगाव, जि.पुणे.

And the Governor of Maharashtra hereinafter referred to as the Government (Which expression shall unless excluded by or it be repugnant to the context or meaning thereof be deemed to include successors and assigns) of the other part.

Whereas the company is desirous of constructing a pumping station on the company's Land at Village PARGAON for drawing water from the source KATHAPUR KT WEIR (hereinafter referred to as "the said source") for the use by the company's BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD. (hereinafter referred to as "the said Plant") and laying underground as surface pipes and drains for discharge of the factory effluent.

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MANAGING DIRECTOR
Bhimashankar S. S. K. Ltd. Dattatrayanagar
At - Pargaon, Via - Awasari Kh.,
Tal. Ambegaon, (Pune) 412 405

AND whereas the company has paid Rs.20,000/- to Government towards the proportional cost of capital outlay of the project.

AND whereas the Government has agreed to grant the aforesaid permission to the company on the terms and conditions hereinafter appearing.

AND WHERE AS UNDER the said terms and conditions the company has to deposit with **EXECUTIVE ENGINEER KUKADI IRRIGATION DIVISION NO.1 NARAYANGAON** to the government sum of Rs. 20,000/- as "security" equivalent to 2 months company's probable annual water charges bases on yearly sanctioned and as communicated in cash or in the form of fixed deposit receipt or a bank Guarantee issued by a scheduled/nationalized bank having its main/branch office locally for the due observance and performance by the company of the terms and conditions of this Agreement AND WHEREAS the company has accordingly prior to the execution of these presents deposit with the government Rs. 20,000/- as security for the due observance and performance by the company of the terms and conditions herein contained AND WHEREAS it has been agreed that the said amount will not carry any interest if deposited in cash.

Definitions

Quota : - Quota means Yearly demand sanctioned and communicated to by the Executive Engineer .

Corporation :- Corporation means the river basin corporations like Maharashtra Krishna Valley Development Corporation (MKVDC) Godavari Maharashtra Irrigation Development corporation to (GMIDC) Kokan Irrigation Development corporation (KIDC) and Vidharbha Irrigation Development corporation (VIDC) Municipal corporation's municipalities etc.

MIDC :- MIDC means Maharashtra Industrial Development corporation

MJP :- MJP means Maharashtra Jeevan Pradhikaran

Yearly applicable Demand :- Yearly applicable demand means the water demand communicated by the USER for the period from **1st November** to **31st October** the Executive Engineer & SANCTIONED BY IRRIGATION Department every year in the month of **September** along with its bifurcation for industrial domination and agricultural use.

USER use means water using agency like individual company's users / industry / Enterpreneur.

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NOW THIS AGREEMENT WITHNESSTH AS FOLLOWS

1) (a) In consideration of the company making payment to the Government as hereinafter specified and observing and performing the convenience and conditions herein contained Government do hereby grants to the company permission to draw following quota of water for the specified purpose vide sanctioned water quota letter जा.क्र. मकृखोविम/ औपापु / ४९८ / (३९३/९८) / प्रशा-४ दि. ०५/०६/९८ herein enclosed as Annexture - 1

Sr. No	Description / use	Quantity Million Cubic Meters per year
1	Total Sanction Quota	0.288
1.1	For other than water as raw material industrial use	0.216
1.2	For domestic use	0.072

And use the same for the purpose of the company's said plant or project and for supply to residential colonies for a team of 6 years commencing from the 1st day of February 2020 on the following Terms & Conditions.

Terms & Conditions.

b) The quota assigned for domestic use and for agricultural use shall not exceed 10% each of the individual water demand. In the cases wherein the water used for Domestic and Agricultural use exceeds 10% in each case the excess use shall be charged at industrial applicable rate specified in clause 11 of this agreement

c) The Industrial water requirement, the domestic water requirement and agricultural (nursery/gardening) water requirement of the company as demanded deemed to be separate and independent for the sole purpose and water charges assessment shall be accordingly separate and independent for other clauses of this agreement.

2) The permission hereby granted shall be subject to the provisions of the Maharashtra Irrigation ACT 1976 and Bombay Canal Rules 1934 and subsequent revisions if any, in force and any executive orders issued in this behalf by Government and any statutory amendment thereof from time to time and for the time being in force.

3) Northing herein contained shall be deemed to imply any guarantee on the part of the Government as to availability or otherwise of any specific quantity of water and Government shall not be responsible for the non supply or in adequate supply of water on any account whatsoever. However in case of inadequate or non supply due to shortage of water or reason beyond the control of the Department, bill shall be charged as per actual quantify of water lifted/supplied during such period.

4) The company shall use the water drawn from the said river for purposes of the company's said plant and for supply to the residential colonies constructed by the company within the area of the said plant for providing housing to its employees and

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workers (hereinafter referred to as "the said residential colonies") The company shall not sale the water from the said river to any other person, firm or company, corporation or other body. In the event of the company selling water drawn from the said river, then Government without prejudice to its right will forthwith revoke the license, Government shall be entitled to recover from the company the proceeds of any such sale made by the company.

5) Government shall be entitled to utilize water of the said river available after meeting the reasonable requirements of the company as to which matter the decision of the Government shall be final and binding on the company for such purpose as Government deem fit.

6) The permission hereby granted shall not in any manner prejudicially affect the existing water right vested in the upstream riparian owners nor shall it in any way prejudice Governments right to hereafter launch or implement in public interest any new schemes or schemes of its own at, on or in connection with the present source of channel of water supply available to the company subject however to the safeguarding of its reasonable demand referred to in clauses (5) above

7) The company shall not construct the pick up weir in the **Ghod river** bed of the said river unless the proposals plans, drawings, specifications, estimates and all other details thereof are previously submitted to and approved in writing by an officer authorized in that behalf by the Government and while granting its approval to the construction of the pick up weir Government may impose such conditions as it may in its discretion think fit.

8) (a) For ascertaining the quantity of water drawn by company the company shall forthwith at its own cost and after obtaining prior approval in writing there to of the Executive Engineer, install independent pipeline fitted with separate electronic water measuring devices for use of water for the said independent intention (hereinafter referred to as "the said electronic measuring devices") at such places as is in indicated by the Executive Engineer. **All the pipeline showing location of the metering equipments from the said source for different purpose shall be got jointly verified and go approved from the Executive Engineer, Irrigation Department. Similarly layout from the said source shall be get approved from the Executive Engineer. No changes in the approved layout shall be made without the prior written approval from the Executive Engineer**. In the event of the company failing to install and keep in proper working order the said electronic measuring devices for use of water for the said plant and supply to the said residential colonies as aforesaid the company shall be liable to pay for the full sanctioned water quota as mentioned in clause 8(d) I and II During such period 125% of the proportionate sanctioned Quantity will be charged at the prevailing rates for the said plant. The said electronic measuring devises shall always be kept under the lock and seal of the Executive Engineer. The company shall at all imps, during the subsistence of this agreement at its own cost maintain the said electronic measuring devices in proper working order and condition (The underline portion not applicable to MIDC).

b) Readings for the water so drawn by the company will be taken on the said electronic measuring devices, on the first & last day of each Month / at agreed rimes, jointly by the authorized representatives of the Executive Engineer and of the Company.

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c) If at a time the opinion of the Executive Engineer the said electronic measuring devices are found defective, the same shall be tested for its accuracy and the cost of such testing shall be borne and paid by the company.

D) In the event of the said electronic measuring devices going out of order and becoming defective the quantity of water drawn by the company during the period when the meter was defective and not working shall be ascertained in the following manner

i) If the said electronic measuring devices remain out of order for a period of less than 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be 90% of the yearly sanctioned demand as communicated in clause 11 or average for the last six months whichever is higher.

ii) If the said electronic measuring devices remain out of order for a period exceeding 30 days then the quantity or water deemed to be drawn by the USER during the said period shall be taken to be 110% of the yearly sanctioned demand as communicated in clause II or average for the last six months whichever is higher. This will be made applicable for the period during which the measuring devices remained out of order.

The aforesaid provisions will also apply when the quantity of water drawn by the company cannot be measured on account of removal of the said electronic measuring devices for repairs or the same in the opinion of the Executive Engineer not working properly.

iii) If electronic meter meant for domestic or for agricultural use is not fitted or remains out of order or is removed, the water charges will be levied as per the rates specified for the industrial use for the total quota as referred to in clause I(a) of this agreement.

9) Billing should be done on bimonthly basis. The bill for the water drawn by the company during the previous calendar month shall be sent in duplicate/triplicate by the Executive Engineer to the company within 15 days after the end of the water consumption month. The company shall thereafter duly pay the same by a demand draft in the name of the **EXECUTIVE ENGINEER KUKADI IRRIGATION DIVISION NO.1, NARAYANGAON** for and on behalf of the Government within a fortnight from the date of receipt pf the bill and shall not allow the same to fail in arrears. If the company fails to pay the amount within this stipulated time. (15 days from the date of receipt of the bill that is before the end of the current month) extra charges not exceeding 10 % per annum of the amount due will be charged. If the delay in payment of water charges exceeds six months, the irrigation department reserves the right to terminate the water supplies with a notice of 15 days in advance.

10) The cost of all works in connection with the arrangements for water supply including the cost of measuring devices and its installation and maintenance shall be borne by the company.

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11) Subject to the provision of clause (8) hereof the company shall pay to the Government at the time and in the manner specified in clause.

12) Hereof water charges for the quantity of water drawn by the company from the said river as measured by the said electronic measuring devices at the following rates, namely. (Here rates, which are going to apply to the company with mentioned of purpose of use of water sanctioned quota and present rates (subject to its revision) may be specified)

i) Provided however that after the expiry of two years from the date of the company starts drawing water from the said river if in any month the quantity of water drawn by the company is less than 90% of the quantity of water specified in clause (I) hereof then the company shall pay to the government water charges calculated for 90% of the quantity of water specified in clause (1) hereof or for average of the quantity of water drawn by the company during the period of previous three months including the month in question whichever is greater.

ii) For any unforeseen reason, if the company / agency would like to reduce/increase the demand of water made earlier/entered in the agreement they will be required to make the revised annual demand before the commencement of the year that is **1st day of November.** On acceptance of such revised demand the company will be charged as per changed demand for period specified, other condition remaining same. A new supplementary agreement on **hundred rupees** stamps paper for this changed quantity, which will form part of main agreement.

iii) No penal rate will be levied for the quantity limited to 10% in excess of this 10% without prior sanction a penal rate of 25% will be charged over the basic rate. The delay in payment on account of this also, will be governed by clause 9 above.

iv) For any unforeseen reason (such as sudden closure of the units or sudden rise in production etc.) these could be decided at Govt. level only by giving due considerations to the availability of water in the particular sub basin and so on.

v) In addition to the payment of water charges referred to above the company shall also pay to the government local funds cess at the rate of 20 paise per every rupee of water charges.

vi) **Water Bill :-** The bimonthly for the period from **November at August (for 10 months) shall be prepared on the basis of actual quantity of lifted at the prevailing rate. The bill for the months of September & October (2 months)** shall be prepared by taking review of annual sanctioned demand and the terms and conditions of the agreement and then shall be adjusted and paid accordingly. While adjusting so it shall be considered that the 90% of the annual sanctioned demand has been lifted/used.

12) (a) The company shall pay to the Executive Engineer water rates and local fund cess either in advance every month on the basis of anticipated quantum of water to be drawn by it from the said source during the month or on monthly basis with fifteen (15) days from the date of receipt of the monthly demands by the USER from the Executive Engineer on default of the USER to pay the water rate or local fund cess as aforesaid vide clause 9 and 11 government shall without prejudice to its any other right and remedies be entitled to terminate this agreement forthwith as per clause No.9

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(b) In the case of disputes regarding quantity of water billed or rate at which the bill is prepared the company/firm/individual water user shall first pay the complete amount of the bill and them claim for refund of any excess bill charged giving the reasons/justification of wrong billing. However the decision of superintending Engineer **KUKADI IRRIGATION CIRCLE, PUNE-11** in this regard shall be final and binding on the company.

13) Government hereby reserves to itself the right to revise from time to time the water rates and local fund Cess Company shall pay the revised water rates and local fund cess as may be fixed by Government from time to time

14) The USER Shall not discharge the effluent in any nalla or river and shall not pollute directly or indirectly any portion on the said nalla/river even by septic tank effluents. If any water sources are polluted by the industry as identified by irrigation/pollution control Board/MIDC/MJP the company shall be charged with a penalty of rupees 5000/- per such incident per day till it is rectified. The opinion of Maharashtra pollution control Board in respect of degree of pollution will be binding on the company.

15) The effluent disposal arrangement made by the company industry shall be got approved by the company from the Maharashtra pollution control board/Environmental Department of the Government prior to commencing the operation of pumping/drawing water from the portion (underline portion not applicable to MIDC) While granting water supply connection, MIDC shall insist the company industry to produce consent / NOC for effluent disposal arrangement from Maharashtra pollution Control Board wherever required (that is in case of polluting company/industry) (Non underline portion Exclusively applicable to MIDC)

16) The Company shall at all the times allow an officer of irrigation Department of the Government authorized in that behalf the said works as well as the account and copies taken of entries from the record maintained by the company.

17) Any notice or order document to be given to or served upon the company may be given or served on behalf of the Government by the **EXECUTIVE ENGINEER KUKADI IRRIGATION DIVISION NO.1 NARAYANGAON** And any such notice or served upon the company or sent by registered office of the company or sent by registered post to the registered address for the time being of the company.

18) The said sum **of Rs.20,000/-** deposited in the form of FDR/Bank guarantee/cash by the company with the **EXECUTIVE ENGINEER KUKADI IRRIGATION DIVISION NO.1 NARAYANGAON** to the convenience terms and conditions herein contained. In case of default on the part of the company to perform and observe any of the said Convenience, terms and conditions it shall be lawful for the government in his absolute discretion to forfeit the whole of the security deposit or any part thereof without prejudice neverthless

to any right and remedies which the government may have against the company under these presents for such breach and the company shall forthwith pay up the amount so forfeited **and shall always maintain the original amount of deposit throughout** and shall always maintain the original amount of deposit throughout the period of this agreement on the expiry of the terms of this agreement the said security deposit of Rs. **20,000/-** or such part thereof as shall not have been appropriated as aforesaid shall be refunded to the company.

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19) All amount due of the term of this an agreement Government may renew this agreement within 90 days for such further prepaid and on so much terms and conditions, as Government may at its absolute discreation deem fit.

20) On the expiry of the term of this an agreement Government may renew this agreement within 90 days for such further prepaid and on so much terms and conditions, as Government may at its absolute discreation deem fit.

21) The cost incurred in the execution of this incidental charges for this agreement including stamp duty shall be borne and paid by company.

22) Permission for extra water over and above the sanctioned quota will be granted only when the company from the industrial Department produces the written permission for expansion etc.

23) The agreement super cedes all the previous agreement entered into by the USER with the Government in connection with the supply of water from **Dimbhe dam**

24) The company should submit their water indent for every rotation to the **EXECUTIVE ENGINEER KUKADI IRRIGATION DIVISION NO.1 NARAYANGAON** Tal- Junnar, Dist- Pune on or before starting of the rotation. The company should also furnish the exact quantity of water actually drawn in each rotation after completion of the rotation.

25) The company will have to make an arrangement as its own cost for adequate storage (balancing tank) of not less than two months requirement of water in case of perennial canal, five months requirement in case of 8 monthly canal system, four months requirement of water in case of perennial canal five months requirement in case of 8 monthly canal system four months requirement in case of water source form seasonal river/nalla so as to take care of the closure period. But if unexpected the closure.

26) Period is increased by more than the specified period stipulated herein the company will have to make an alternative arrangement for its water requirement as its own cost.(Not applicable to MIDC).

27) IF THE COMPANY COMMITS BREACH OF ANY OF THE TERMS AND CONDITION THEREOF GOVERMENTS SHALL BE ENTITLED TO CANCLE THIS PERMISSION AND DISCONTINUE THE SUPPLY OF WATER WITHOUT PAYMENT OR ANY COMPENSATION WHATSOEVER TO THE COMPANY.

28) The Government hereby reserves to itself right to charge/amend/modify revise any of the terms and condition rules and regulations of water management and Maharashtra irrigation Act and rules laid under thereon which shall be applicable for this agreement.

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29) In WITHNESS WHEREOF THE common seal of the BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD. has been hereonto affixed AND The **EXECUTIVE ENGINEER KUKADI IRRIGATION DIVISION NO. 1, NARAYANGAON** DIVISION has for and on behalf of the Governor of Maharashtra hereto set his hand and affixed the seal of his office the day and year herein above written. THE COMMON SEAL OF BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD. was pursuant to a resolution of the Board of Directors of the company dated the hereto affixed in the presence of

Chandrakant Dhage
Managing Director

BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD. Reg. No. PNA/AGN/PRG(A)S-47/1994 Dated 31-3-94 PARGAON, FOR AVSARI BR. TAL. AMBEGAON

Two directors of the company who in taken thereof have hereto set respective hands in the presence of

1) Shri Ashok Laxman Ghule, Director

2) Shri Dnyaneshwar Harku Asware, Director

SIGNED SEALED AND DELIVERED BY THE EXECUTIVE ENGINEER KUKADI IRRIGATION DIVISION NO.1 NARAYANGAON for and on behalf of the Governor of Maharashtra in the presence of

1) *Sectional Officer*
Manchar Irrigation Section
MANCHAR

Sub-Divisional Engineer
Kukadi Irrigation Sub.Dn.No.3
Manchar

Executive Engineer
Kukadi Irrigation Division No.1
Narayangaon

2)

(11)

MINUTES OF THE ONLINE PUBLIC HEARING FOR PROPOSED EXPANSION OF SANCTIONED MOLASSES BASED DISTILLERY UNIT FROM 45.0 KLPD TO 95.0 KLPD PROPOSED BY PROJECT PROPONENT M/S BHIMASHANKAR SAHAKARI SAKAHR KARKHANA LTD., (BSSKL), AT – DATTATRAYANAGAR, POST – PARGAON VIA AWASARI BK, TAL- AMBEGAON, DIST – PUNE.

The online Public Hearing for proposed expansion of sanctioned Molasses Based Distillery Unit from 45.0 KLPD to 95.0 KLPD proposed by Project Proponent M/s Bhimashankar Sahakari Sakhar Karkhana Ltd., (BSSKL), At – Dattatrayanagar, Post – Pargaon Via Awasari BK, Tal-Ambegaon, Dist – Pune was conducted on dated 15th July, 2021 at Collector Office, Pune at 12.00 noon.

As per the Environment Impact Assessment (EIA) Notification dated 14th September, 2006 as issued by Ministry of Environment, Forest & Climate Change (MoEF & CC), Govt. of India (GoI), New Delhi and subsequent amendment on date 01-12-2019, Member Secretary, Maharashtra Pollution Control Board vide Office Order No. E-48 of 2021 under letter no.BO/JD (WPC)/PH/B-210629/FTS-0237, Dated 29-06-2021 has constituted following Environment

Public Hearing Committee: -

1) District Magistrate, Pune or his representative not below the rank of an Additional District Magistrate - **Chairman**
2) Regional Officer, MPCB, Pune (Representative of Maharashtra Pollution Control Board) - **Member**
3) Sub Regional Officer, Pune-2, Maharashtra Pollution Control Board, Pune - **Convener**

Shri Nitin Shinde, Sub-Regional Officer, MPCB, Pune-2, Member, Convener of the Environment Public Hearing Committee welcomed Dr. Jayashree Katare, Additional District Magistrate, Pune and Chairperson, Environment Public Hearing Committee, Company Officials, officials of the Collector Office who handled online system, government officials, NGOs working in the field of environment, journalists and online participants who were present in large number and informed that as per the Environment Impact Assessment Notification of Ministry of Environment, Forest & Climate Change, Govt. of India, (i.e. MoEFCC, GoI) dated 14th September, 2006 as amended on 1st December, 2009, it is mandatory to conduct prior public consultation to certain projects which are covered in the schedule of the said Notification. Maharashtra Pollution Control Board, Mumbai was in receipt of application of M/s Bhimashankar Sahakari Sakhar Karkhana Ltd., (BSSKL), at Dattatrayanagar, Post – Pargaon Via Awasari BK, Tal – Ambegaon, Dist. – Pune for proposed expansion of sanctioned Molasses Based Distillery Unit from 45.0 KLPD to 95.0 KLPD at the existing site of the industry. Member, Convener of the Environment Public Hearing Committee informed that though Project Proponent has obtained Environment Clearance for the 45.0 KLPD Distillery unit, the project is not still commissioned. Meanwhile, cultivation of sugarcane crop has increased, hence the crushing capacity of the factory is also increased. Hence, considering the availability of additional molasses and increased demand in the market, the factory management has planned to commission the increased capacity of sanctioned distillery from 45.0 KLPD to 95.0 KLPD.

The Convener further informed that, as per EIA Notification, 2006 the category of project falls under Category A 5 (g). The aim of conducting prior public consultation is to make aware, local people who can be participant in the hearing and they should know the developmental activities and Environment Management Plan of the unit.

Project Proponent had submitted online prescribed application along with pre-feasibility report to the MoEFCC, GoI for Terms of Reference (ToR) for conduct of EIA studies and MoEFCC, GoI, New Delhi considered the project and given online approval on dated 24.12.2020.

As per said Notification, 30 days' advance public notice was published in the local newspaper in Daily Loksatta for Marathi and in national newspaper Daily Indian Express for English on dated 10-06-2021 The public were appealed to send their

suggestions, views, doubts or objections regarding the proposed expansion of the sanctioned molasses-based distillery unit.

Also copy of EIA report and executive summery were made available at various notified offices of Government i.e. Ministry of Environment, Forest & Climate Change, Zonal Office, West Central Zone, New Secretariat Building, Ground Floor, East Wing, Civil Line, Nagpur-440 001; District Magistrate Office, Pune; Additional District Magistrate Office, Pune; Zilla Parishad Office, Pune; District Industries Centre Office, Pune; Tahsildar Office- Ghodegaon, Tal-Ambegaon, Dist, Pune; Grampanchayat office at Pargaon via Awasari BK, Tal-Ambegaon, Dist- Pune; Sub Regional Office, MPCB, Pune-2; Regional Office, MPCB, Pune and Head Office of MPCB at Mumbai, Environment & Climate Change Department, Govt. of Maharashtra, Mumbai and on MPCB website. The public in general were appealed to send any suggestion or objection regarding the proposed Distillery expansion. The Convener further informed that written suggestions are received by local MPCB Office through E-mail. He appealed Chairperson of the Committee to allow to start the proceedings.

Member, Convener of the Environment Public Hearing Committee informed that public notice was published on dated 10th June, 2021. It is also informed that on site Public Hearing will be conducted at project site with Covid-19 guidelines and if there is lock down/restrictions the Public Hearing meeting will be held online, for which link (https://us02web.zoom.us/j/87377274183?pwd=OHRiUnR3Q2pXQjRSYithdTJRWXZRZz09) was made available in the public notice.

District Administration directed to conduct online meeting considering the pandemic situation, hence online meeting is arranged.

With the permission of the Hon'ble Chairperson of the Public Hearing Committee, Project Environment Consultant gave the presentation on Environment Management Plan of the project.

Environment Consultant informed the total cost for the proposed increase in the capacity of distillery will be Rupees 8293 lakh. The capital cost for the Environment Management will be Rupees 1348 lakh. Environment Consultant gave the detailed information of Environment Management Plan.

After the presentation, Convener of the Public Hearing Committee appealed the participants to raise their suggestions, objections regarding Environment Management Plan of the project.

FOLLOWINGS HAVE PARTICIPATED DURING THE DISCUSSIONS, QUESTIONS AND ANSWER GIVEN BY PROJECT PROPONENT :-

1) **Shri Vaibhav Sahebrao Badhekar, Residence – Jarkarwadi, Tal – Ambegaon, Dist – Pune :-**

Sr. No.	Objection/Suggestion/Question	Answer
1)	I am staying at Jadhavwadi. My village is 5.0 k.m. from the project. How the air pollution will be prevented from the project?	The main source of air pollution is stack/chimney attached to the boiler. Hence, we are installing 60 meters height of chimney to the boiler. The most advanced devices like wet scrubber or ESP (Electro Static Precipitator) will be provided to it, due to which 80-85% of smoke will be prevented. Hence, there will not any ill-effects on the surrounding areas.

2) **Sou. Sujata Rithe, Sarpanch, Nagapur, Tal -Ambegaon, Dist – Pune :-**

Sr. No.	Objection/Suggestion/ Question	Answer
1)	My village is just 5.0 kilometre from the project. What will be the main source of water pollution in the project?	The main components of water pollution in the project are spent wash, spent lease and condensate. The treatment will be given in the factory premises only. Not a drop of treated effluent will be discharged outside the factory. The treated effluent will be concentrated and the quantity of it will be minimised and then it will be used as fuel in the Incineration Boiler. Hence, the treated effluent will not go outside the factory. This project is ZLD i.e. Zero Liquid Discharge Project.

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3) Shri Navnath Rajaram Mehetre, Residence – Shingave Pargaon, Tal – Ambegaon, Dist-Pune:-

Sr. No.	Objection/Suggestion/ Question	Answer
1)	I am staying from 3.5 – 4.0 kilometre away from the factory. Due to this expansion of the project, whether local people will get job opportunities?	There are job opportunities in the new distillery project. There will be requirement of 99 persons in the plant. Local people will be given opportunity in the job.

4) Mrs.Savita Ubale, Grampanchayat Member, Ranjani, Tal – Ambegaon, Dist – Pune:-

Sr. No.	Objection/Suggestion/ Question	Answer
1)	Which solid waste will be generated from this Distillery Plant?	The ash will be produced. It will be from bagasse and spent wash. The ash will also be produced from sugarcane, small bagasse in which potassium is in large quantity. As it is useful for agriculture, it will be made available to the farmers to use as fertiliser.

5) Shri Balasaheb Labade, Residence – Pargaon Via Avasari Budruk, Tal – Ambegaon, Dist-Pune:-

Sr. No.	Objection/Suggestion/ Question	Answer
1)	Whether the smoke coming out of the factory will affect the health of the people?	No smoke will be emitted from the factory which will affect the health of the people. The fuel which will be used for boiler is bagasse from the factory. Basically, spent wash is not at all harmful. After burning of spent wash, the produced ash will be used in the agriculture fields as contains of potassium is large in it. The most modern devices i.e. Wet Scrubber or ESP (Electro Static Precipitator) will be installed due to which 85-90% smoke will be controlled. Hence generation of smoke will be very meagre. There will not be any ill-effects on the health of the people residing near the vicinity of the plant.

6) Shri Santosh Walse Patil, Residence – Nirgudsar, Tal – Ambegaon, Dist-Pune:-

Sr. No.	Objection/Suggestion/ Question	Answer
1)	How will the solid waste from the project will be disposed off?	The ash which will be generated from the boiler in the form of solid waste. The ash will be potash-rich and it will be made available to local farmers for use in agriculture fields.

7) Shri Sunanda Reddy, Environmentalist, President, Dharitri Paryavaran Parirakshana Sanstha, Dist – Nalgonda, Telangana State :-

Sr. No.	Objection/Suggestion/Question	Answer
	Shri Sunanda Reddy, an Environmentalist has informed in English that he is the first Environmentalist in India who supports industrial development. Almost all environmentalist in India opposes industrial development. But I always support the industrial development. He congratulated Project Proponent for deciding the expansion. He said for environment protection and safety, he desires to give few suggestions: - a) He said that Environment Consultant of the project has carried the survey of the periphery of the project of water, air and soil. It is good. b) Shri Sunanda Reddy requested to study the health status, crop pattern and present status of the ground water of the10 k.m. radius. It will help for keeping environment balancing study. c) Shri Reddy informed that he supported the project and written objections raised by him	Suggestions are noted.

	are informed. He said that he will again sent the suggestions by email to local MPCB office. d) He suggested to make Safety & Environment Protection Rules. e) Shri Reddy congratulated Environment Consultant for preparing the EIA report in a right manner. f) He suggested to undertake in hand the programme of avenue plantation with green belt development in nearby villages. g) Shri Reddy also suggested Environment Public Hearing Committee to recommend MoEFCC, Govt. of India to give unconditional permission.	

At this moment, Member, Convener of the Environment Public Hearing Committee appealed all online participants to raise their views, suggestions or objections if any.

8) **Shri Ujjawala Vavhal, Member, Grampanchayat, Shingave, Tal – Ambegaon, Dist – Pune:-**

Sr. No.	Objection/Suggestion/ Question	Answer
1)	I am staying 2.5-3 k.m. away from the factory. My question is which steps will be initiated to minimise the water pollution?	The main components which create water pollution from the factory are spent wash, spent lease and condensate. It will be treated in the factory only. The treated effluent will be concentrated and the quantity of it will be minimized and it will be burnt in the Incineration Boiler as fuel. The spent lease and condensate are the polluted components which will be treated in R.O. system or in CPU (Condensate Polishing Unit) which will be installed in the project. After treatment in RO system or in CPU, the water will be recycled and reused in the process. There will not be any generation of any effluent outside the factory.

While concluding the meeting, Chairperson, Environment Public Hearing Committee said that this meeting is started on 12.00 noon and many online participants have raised their suggestions. The suggestions, views, objections have been noted and it will be included in the minutes of the meeting. She further appealed online participants to raise their views if any. It will be noted. There was no response from the participants.

Then Chairperson, Environment Public Hearing Committee expressed the opinion that if anybody might have faced difficulty to handle the online connection or there may be few persons who desired to raise their views by mail, they can send it on local MPCB office. The suggestions, objections raised by email will also be noted and it will be sent to Government for further action. She informed Convener of the meeting to make available the email id. She said that she is giving few time if anybody desires to raise any question, if there is no question, then the meeting will be concluded. As there was no response, she asked Member, Convener of the meeting to conclude the meeting.

Member, Convener, Environment Public Hearing Committee while appealing to raise any doubts, questions informed that while publishing public notice in news and making available all the relevant documents i.e. executive summary in Marathi, English at notified government offices, grampanchayat offices, E-mail id is made available on the covering letter. If anybody types just MPCB on Google, the website address gets. For information to all, Convener of the meeting orally informed the mail address as -

a) sropune2@mpcb.gov.in;

b) ropune@mpcb.gov.in

Convener informed to send views, suggestions of any on above referred addresses.

Member, Convener, Environment Public Hearing Committee expressed the opinion that more than enough time is given to participants to raise their views. As there is no response, it seems that there is no questions. Hence, the Public Hearing is concluded. Member, Convener of the Environment Public Hearing Committee thanks Chairperson of the meeting, Government Officials, the officials who handled the online system at District Collector Office, Project Officials, NGOs working in the field of environment and on behalf of Chairperson of the meeting, declared that meeting is concluded.

The meeting ended extending thanks to the Chair.

(Nitin Shinde),
Convener, Member,
Environment Public Hearing Committee
And
Sub- Regional Officer, Pune-2,
Maharashtra Pollution Control Board
Pune

(Dr. Jayashree Katare)
Chairperson,
Environment Public Hearing Committee
And
Additional District Magistrate – Pune
Dist – Pune

(III)

वन परिक्षेत्र अधिकारी, मंचर(प्रा) यांचे कार्यालय

वनसावित्री उद्यान, अवसरी घाट तालुका आंबेगाव, जिल्हा पुणे
E- Mail rfomanchar@gmail.com

विषय - झाडांमधील अंतर प्रमाणित करून मिळणेबाबत..

जा./क्र./संकिर्ण/ ९६९८/२०१९ - २०

मंचर ४१०५०३ दिनांक - ०२/ १२/२०१९

संदर्भ - भीमाशंकर सहकारी साखर कारखाना लि. दिनांक- २९/११/२०१९.

वरील विषयी वनपाल धामणी व वनरक्षक लाखनगाव यांनी भीमाशंकर सहकारी साखर कारखाना परिसरात व सभोवताली १९.५३ हे.क्षेत्रात ६५०२ वृक्ष लागवड केलेल्या सोबत दर्शविलेल्या यादीतील फळझाडे इ.आंबा,नारळ,चिक्कू,जांभुळ,सीताफळ,आवळा,फणस इ.वृक्षामधील सरासरी अंतर ९ ते १० मी असून इतर प्रजातीतील ३ ते ४ मी. आहे.

तसेच शोभेच्या झाडातील अंतर २ ते ३ मी. आहे.लागवड केलेल्या वृक्षातील अंतर योग्य आहे.

(योगेश एस.महाजन)
वनपरिक्षेत्र अधिकारी
मंचर.

वनपरिक्षेत्र अधिकारी मंचर, ता.आंबेगाव, जि.पुणे

जाक्र/ताकृअ/ विस्तार/३९५/२०१९
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 लावुन 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 प्रमाणितर करणेत येत आहे.

तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव) जि.पुणे

झाडांची नावे व अंतर तपशिल

अ.क्र.	झांडाची 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	5 X 5	२५	०.४३
२	आंबा	१९	१०५	५५	१७९	10 X 10	१००	१.७९
३	चिक्कु	५८	०	०	५८	9 X 9	८१	०.४७
४	आवळा	३	५	०	८	6 X 6	३६	०.०३
५	फणस	७	०	०	७	8 X 8	६४	०.०४
६	कागदी लिंबू	२२	०	०	२२	5 X 5	२५	०.०६
७	सिताफळ	१३९	०	०	१३९	4 X 4	१६	०.२२
८	पेरु	२९	०	०	२९	6 X 6	३६	०.१०
९	जांभुळ	२८	०	२५	५३	6 X 6	३६	०.१९
१०	चिंच	७	४०	६५०	६९७	8 X 8	६४	४.४६
११	डाळींब	५	०	०	५	4 X 4	१६	०.०१
१२	कौठ	६	०	०	६	6 X 6	३६	०.०२
१३	बोर	११	०	०	११	4 X 4	१६	०.०२
१४	गुलमोहर	२३	५०	०	७३	8 X 8	६४	०.४७
१५	रेनट्री	१६	११०	०	१२६	8 X 8	६४	०.८१
१६	बॉटल पाम	२४१	२२	५०	३१३	5 X 5	२५	०.७८
१७	फिलोशिया पाम	१४	३	०	१७	5 X 5	२५	०.०४
१८	सप्तपर्णी	५२	४८	०	१००	8 X 8	६४	०.६४
१९	पित्त मोहर	१७	५६	०	७३	8 X 8	६४	०.४७
२०	वड	१२०	६	०	१२६	10 X 10	१००	१.२६
२१	अर्जुन	२९	२०	०	४९	8 X 8	६४	०.३१
२२	सिल्वर ओक	६	०	०	६	5 X 5	२५	०.०२
२३	काशिद	३५	३५	१०५	१७५	8 X 8	६४	१.१२
२४	सिसम	१२५	२०	०	१४५	8 X 8	६४	०.९३
२५	पिंपळ	१७	०	०	१७	8 X 8	६४	०.११
२६	फायकस	०	५०	०	५०	4 X 4	१६	०.०८
२७	बांबू	१२	०	०	१२	4 X 4	१६	०.०२
२८	करंज	३३	०	९०	१२३	8 X 8	६४	०.७९
२९	बॉटल ब्रश	१९	०	०	१९	4 X 4	१६	०.०३
३०	कडूलिंब	२००	०	९५	२९५	6 X 6	३६	१.०६
३१	बदाम	३०	०	०	३०	6 X 6	३६	०.११
३२	सुरु	३१	०	०	३१	6 X 6	३६	०.११
३३	अशोक	९९	०	०	९९	4 X 4	१६	०.१६
३४	स्पॅथोडिया	६	०	०	६	8 X 8	६४	०.०४
३५	कांचन (आपटा)	३९	०	१००	१३९	8 X 8	६४	०.८९
३६	सोनचाफा	५	०	०	५	4 X 4	१६	०.०१
३७	पांढरा चाफा	२१	०	०	२१	4 X 4	१६	०.०३
३८	उंबर	११	०	०	११	8 X 8	६४	०.०७
३९	निलगिरी	३४	०	०	३४	3 X 3	९	०.०३
४०	रामफळ	१४	०	०	१४	5 X 5	२५	०.०४
४१	सुबाभळ	२१३	०	०	२१३	4 X 4	१६	०.३४
४२	शेवगा	१४	०	०	१४	3 X 3	९	०.०१
४३	अंजीर	२	०	०	२			
४४	पांगारा	३	०	०	३			
४५	चंदनी	७	०	०	७	4 X 4	१६	०.०१
४६	भेंडी	४	०	०	४	3 X 3	९	०.००
४७	बाभुळ	६४	०	०	६४	6 X 6	३६	०.२३
४८	भोकर	१	०	०	१			

अ.क्र.	झांडाची 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			
४९	पपई	८	०	०	८	3 X 3	९	०.०१
५०	बेल	३	०	०	३	6 X 6	३६	०.०१
५१	शेवरी	१२	०	०	१२	4 X 4	१६	०.०२
५२	देवदार	२७	०	०	२७	8 X 8	६४	०.१७
५३	हिमालया	२	०	०	२			
५४	बकवान	४	०	०	४			
५५	चेडुफळी	१	०	०	१			
५६	येर्हळा	२	०	०	२			
५७	पिचकारी	३६	०	०	३६	2 X 2	४	०.०१
५८	सायर	५	०	०	५			
५९	करवंद	२	०	०	२			
६०	हिरडा	०	०	२५	२५	5 X 5	२५	०.०६
	एकूण	२१६३	५७०	११९५	३९२८			१९.१४
	बुशेस							
६१	जास्वंद	२८	०	०	२८	2 X 2	४	०.०१
६२	तगर पांढरा	७१	०	०	७१	2 X 2	४	०.०३
६३	बोगन वेल	४०२	०	०	४०२	2 X 2	४	०.१६
६४	मोरपंखी	१३	०	०	१३	2 X 2	४	०.०१
६५	रातराणी	३	०	०	३			
६६	प्राजक्ता	२	०	०	२			
६७	खिसमस	२	०	०	२			
	एकूण	५२१	०	०	५२१			०.२१
	फुलझाडे/ शोभेची झाडे							
६८	गुलाब	८८	०	०	८८	2 X 1.5	३	०.०३
६९	लिली	४३	०	०	४३	2 X 1.5	३	०.०१
७०	क्रोटॉन	५०	०	०	५०	2 X 1.5	३	०.०२
७१	गोल्डन डोरांटा	५३८	०	०	५३८	1.5 X 1.5	०	०.००
७२	लॅन्टीना व्हेरीगेटेड	८५	०	०	८५	1.5 X 1.5	२.२५	०.०२
७३	क्रिपरवडेलिया	१००	०	०	१००			
७४	हिमेलिया	६३	०	०	६३	1.5 X 1.5	२.२५	०.०१
७५	मोगरा	१२	०	०	१२	1 X 1	१	०.००
७६	आबोली	३	०	०	३			
७७	कॅलेंडरा	२१२	०	०	२१२	1 X 1	१	०.०२
७८	ॲकॅलीफा	२३०	०	०	२३०	1 X 1	१	०.०२
७९	डबल तगर	५८	०	०	५८	1 X 1	१	०.०१
८०	ॲलॅमेंडा	४१	०	०	४१	1 X 1	१	०.००
८१	साबंर कांडी	३०	०	०	३०	1 X 1	१	०.००
८२	रेबीन ग्रास	७५	०	०	७५	1 X 1	१	०.०१
८३	मंकी ग्रास	२५	०	०	२५			
८४	केना	५०	०	०	५०			
८५	एक्यालिफा	३५०	०	०	३५०	1 X 1	१	०.०४
	एकूण	२०५३	०	०	२०५३			०.१९
	एकूण एकंदर	४७३७	५७०	११९५	६५०२			१९.५३

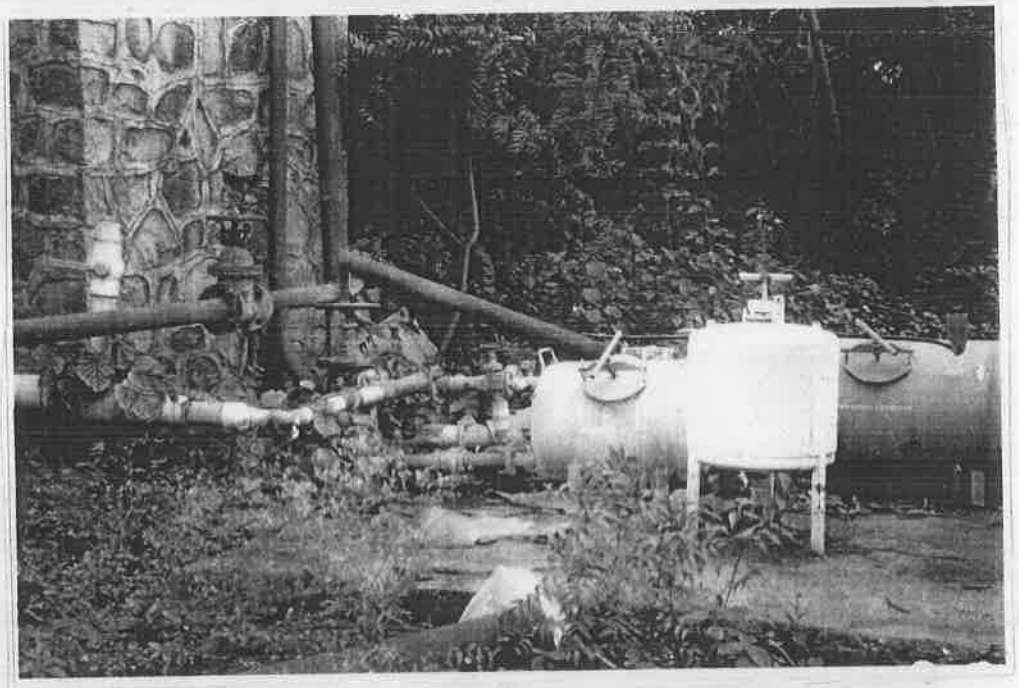
ऊस विकास अधिकारी

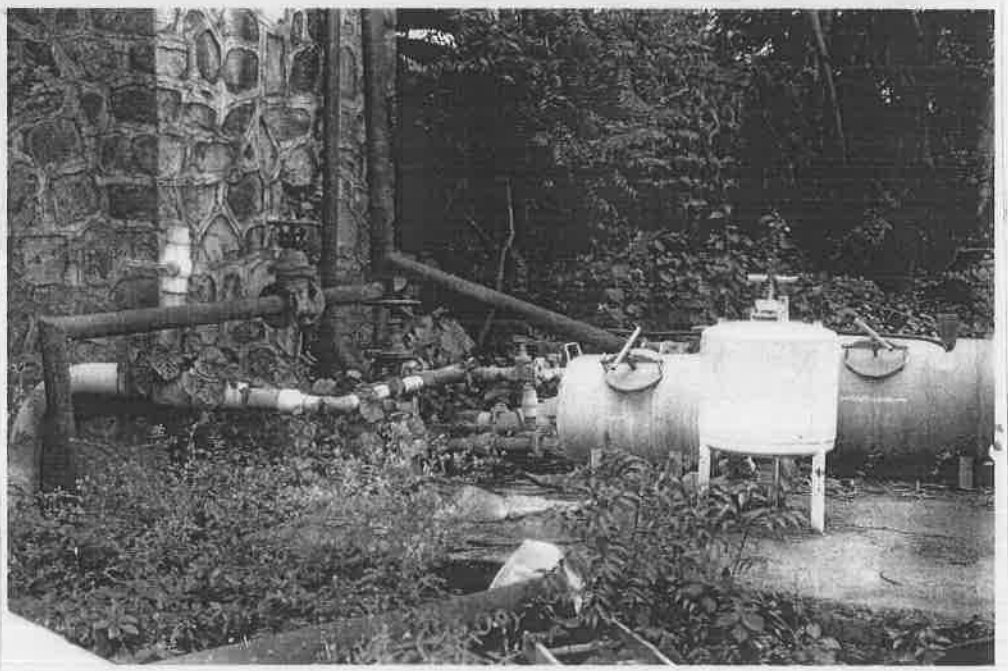
मुख्य शेतकी अधिकारी

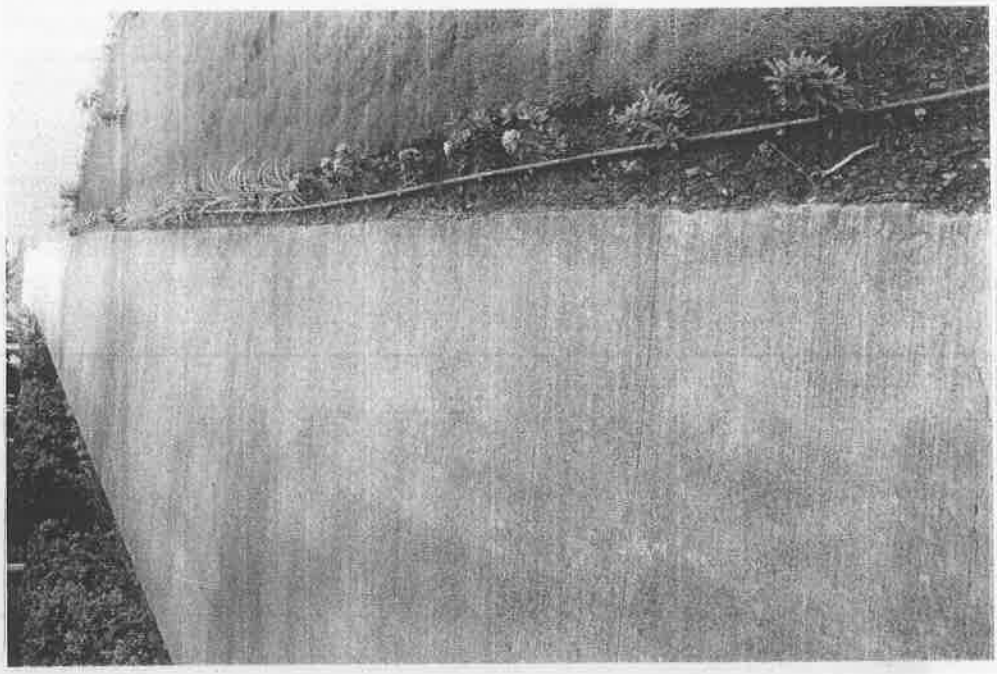
कार्यकारी संचालक

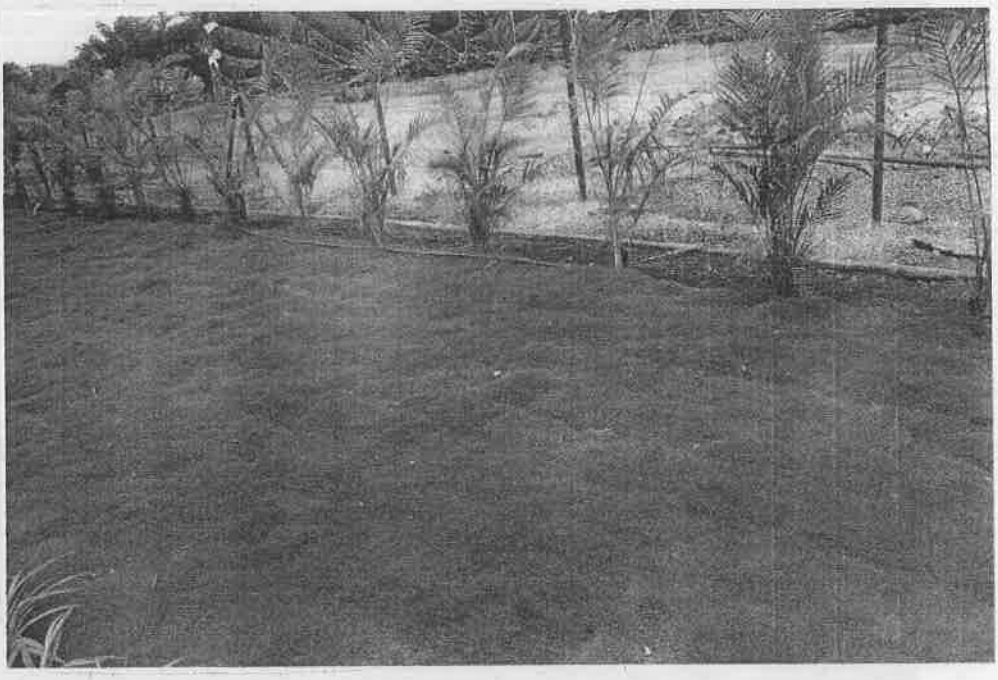
तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव), जि.पुणे

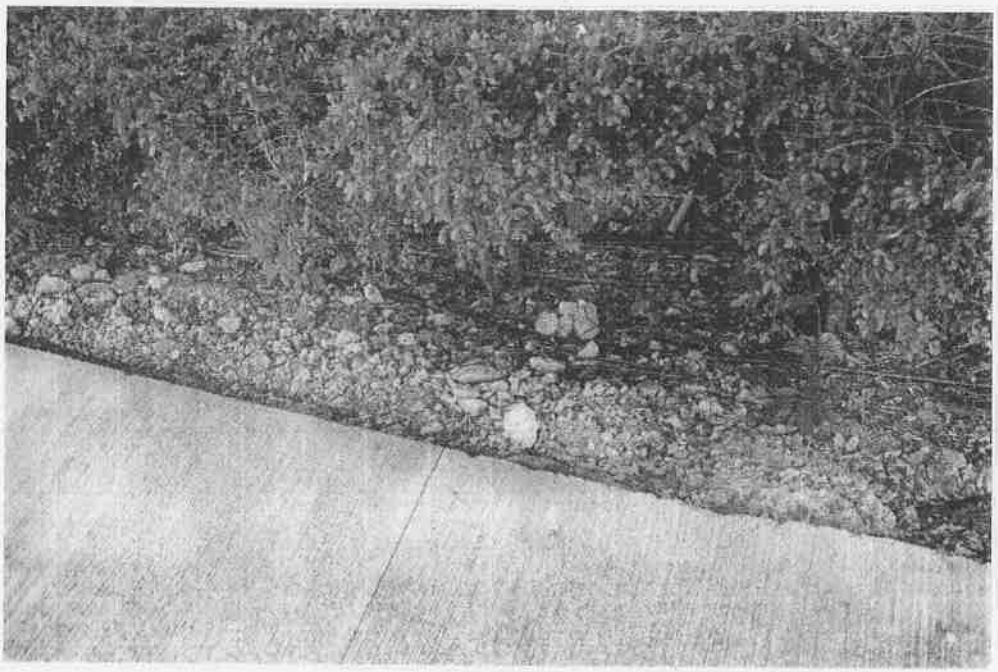
Plantation & Drip Irrigation Photographs

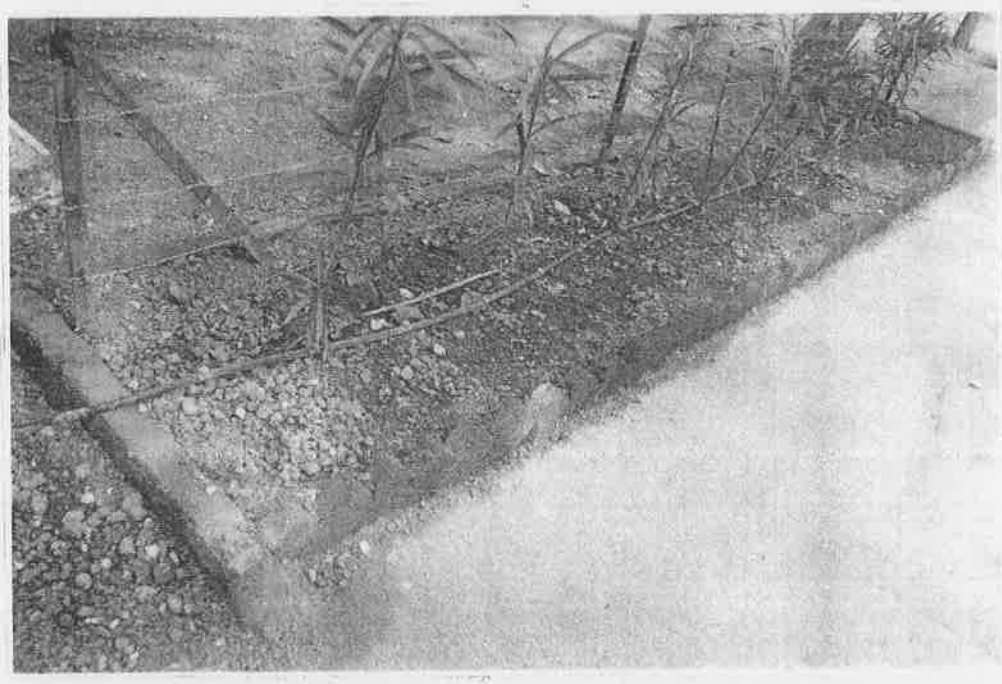












CO_2 Recovery Plant

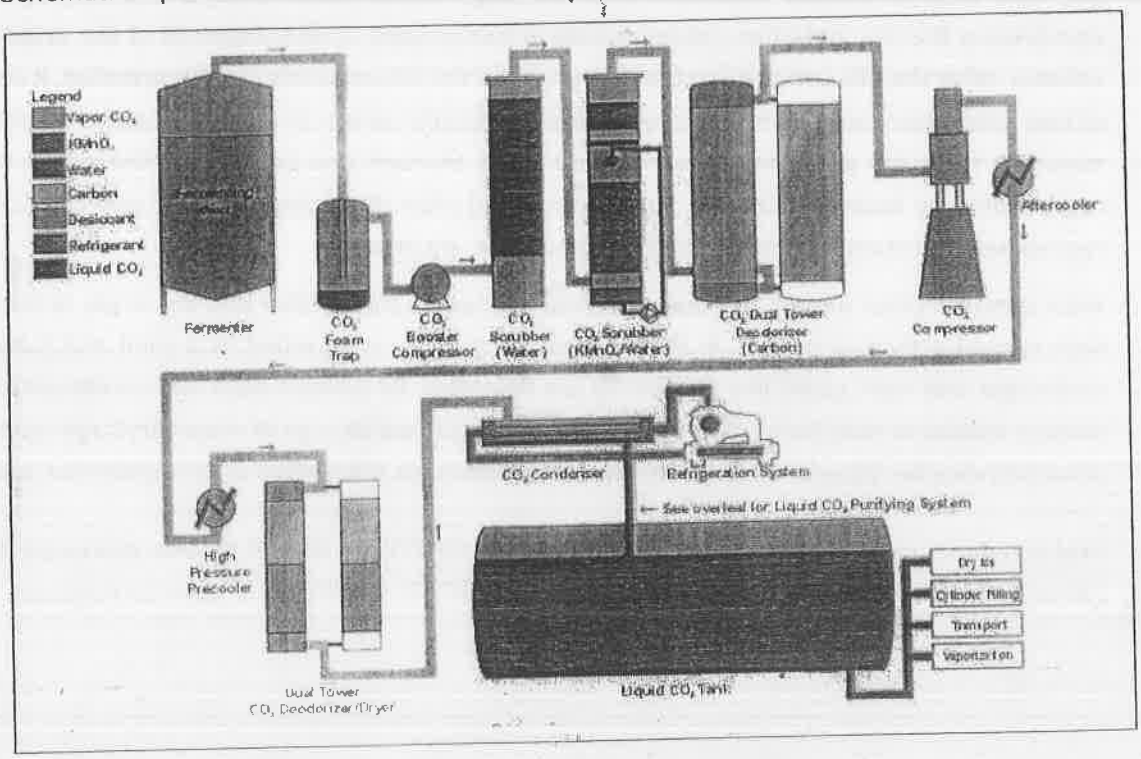
Karkhana has planned to set up 30 MT per day capacity Industrial CO_2 plant to bottle /store CO_2. It is planned to prepare dry ice depending on market requirements. The liquid CO_2 stored in tanks will be supplied in CO_2 tankers to bulk consumers. The liquid CO_2 will be converted into dry ice, which has market for storage of perishable products like fruits, vegetables and meat.

Around 65-70 MT of CO_2 gas is generated (on B Heavy molasses) which is vented out to atmosphere after scrubbing with water to recover traces of alcohol. Out of total CO_2 generated, industry has planned to collect the CO_2 from fermenters and process and compress it to produce about 28 MT of compressed CO_2.

Industry has taken decision to set up 30 MT/day capacity liquid CO_2 plant in the distillery division to generate additional revenue from distillery section. This will help industry to pay higher cane price to the members. The liquid CO_2 plant has unique advantage of availability of raw material i.e. CO_2 gas free of cost from the distillery. The power and water required for liquid CO_2 is available with distillery complex. Thus, the cost of production of CO_2 will be much lower as compared to production from wood or coal.

The distillery unit is located at about 45 km from Pune which is huge industrial hub where CO_2 is consumed on large scale. Cluster of automobile companies will increase the demand for the product. It is also near to Industrial Development Corporation Nasik where liquid CO_2 is consumed for foundry, beverages and CO_2 welding operations. As the infrastructure and roads are being developed across the state of Maharashtra, the industry can also supply the product to several industrial areas in and around Pune/Mumbai.

Schematic representation of the CO_2 recovery system is shown as **Figure 2.8**



CO_2 Recovery System

If Heavy molasses contains about 58 - 60% total sugars, of which 55 to 58% are fermentable sugar. During the fermentation, yeast strains to the species Saccharomyces cerevisieae, a living microorganism belonging to class fungi converts sugar present in the molasses such as sucrose or glucose in to alcohol and carbon di-oxide. Chemically this transformation for sucrose to alcohol can be approximated by the equation:

I) $C_{12}H_{22}O_{11} + H_2O \xrightarrow{\text{Invertase}} 2\,C_6H_{12}O_6$
(Cane Sugar) (Water) (Glucose + Fructose)

II) $C_6H_{12}O_6 \xrightarrow{\text{Zymase}} 2\,C_2H_5OH + 2\,CO_2$ ↑
180 2×46 + 2×44
(Glucose/Fructose) (Ethyl Alcohol) + (Carbon dioxide)

Thus, 180 g of sugars on reaction gives 88 g of carbon di-oxide. Therefore, 1 MT of fermentable sugar gives 488.88 (489.00) kg of carbon di-oxide. The gas generated from the fermentation process will be passed through foam trap vessel. Separation of foam and removal of sugar aerosols by internal water spraying system takes place here. The fermenter CO_2 gas generated at less than one atmospheric pressure will be boosted to higher pressure. The pressurized CO_2 gas will be passed through water scrubber to remove water soluble impurities mainly alcohol. Subsequently it is passed through $KMnO_4$ tower to remove acetaldehyde and oxidisable impurities. The purified gas is then stored in a balloon which provides a buffer for CO_2 compressor. The gas is then passed through activated charcoal /carbon filter to remove odour.

The clean gas is then subjected to high pressure compression in compressor and after cooler and high pressure pre-cooler. For removal of traces of moisture the liquid CO_2 is passed through molecular sieve beds of Zeolite 3A.The moisture free gas is then stored in liquid CO_2 tank.

The first step of volume reduction is a two-stage compression. With a dry-running piston compressor the fermentation carbon dioxide is compressed to one sixteenth of the original gas volume. After the CO_2 compressor the drying unit of the CO_2 recovery plant is installed. It consists of two adsorption tanks filled with drying agent molecular sieves. In order to remove the residual moisture from the gas, the carbon dioxide flows through one tank while the other tank is regenerated by heater. In the gas purifier, installed after the drying unit and also consisting of two vessels, substances influencing odour and taste are removed.

With identical plant design, the only difference between the purifier and the dryer is the filling with special activated carbon. In the next phase the CO_2 is liquefied in a shell and tube heat exchanger and inert gases like O_2 and N_2 are removed. By compression and condensation the storage volume is reduced to such an extent that temporary storage of even very large quantities of carbon dioxide requires little space. The compressed gas is liquefied in the condenser and then

collected in a storage tank. Thus, the distillery can collect the carbon dioxide produced during fermentation over several days and can then use it for the production process as required.

On the basis of present market price and anticipated escalations up to the scheduled date of commissioning, the capital cost of the proposed scheme at a capacity of 95 KLPD will be Rs. 9929.54 lakh approximately. Environment management cost will be around Rs. 3.43 Cr. & recurring cost will be 23 Lakhs.

Table 10.7: Environmental Management Cost

No	Construction phase (with Break-up)	Capital Cost (Amount in lakhs)	O & M (Amount in lakhs)
1.	Environmental monitoring	-	1.5
2.	Air Environment	-	0.5
3.	Health Check Up	-	1.5
4.	Occupational Health	-	2.5
	Total	-	**6**
Sr. No	**Operation Phase (with Break-up)**	**Capital Cost (Amount in lakhs)**	**O & M (Amount in lakhs)**
1.	Air pollution - Electrostatic precipitator	150	2.5
2.	CPU	120	1.5
3.	Environmental Monitoring (Air, water,waste water, Soil, Solid waste, Noise)	_	3
4.	Occupation health& safety	3	5
5.	Green belt development	35	8
6.	Solid waste Management	-	1.5
7.	Rain water Harvesting	35	1.5
	Total	**343**	**23**

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/68-384/22-23
		Report Date	02/12/2022
		Inward No	AL/7-764/06/22-23
		Inward Date	24/11/2022
Sample Location	Bagasse Yard {Fugitive Sample}	Sampling Time	12:30 PM
Sample Collected By	AARL	Time duration	08 Hr

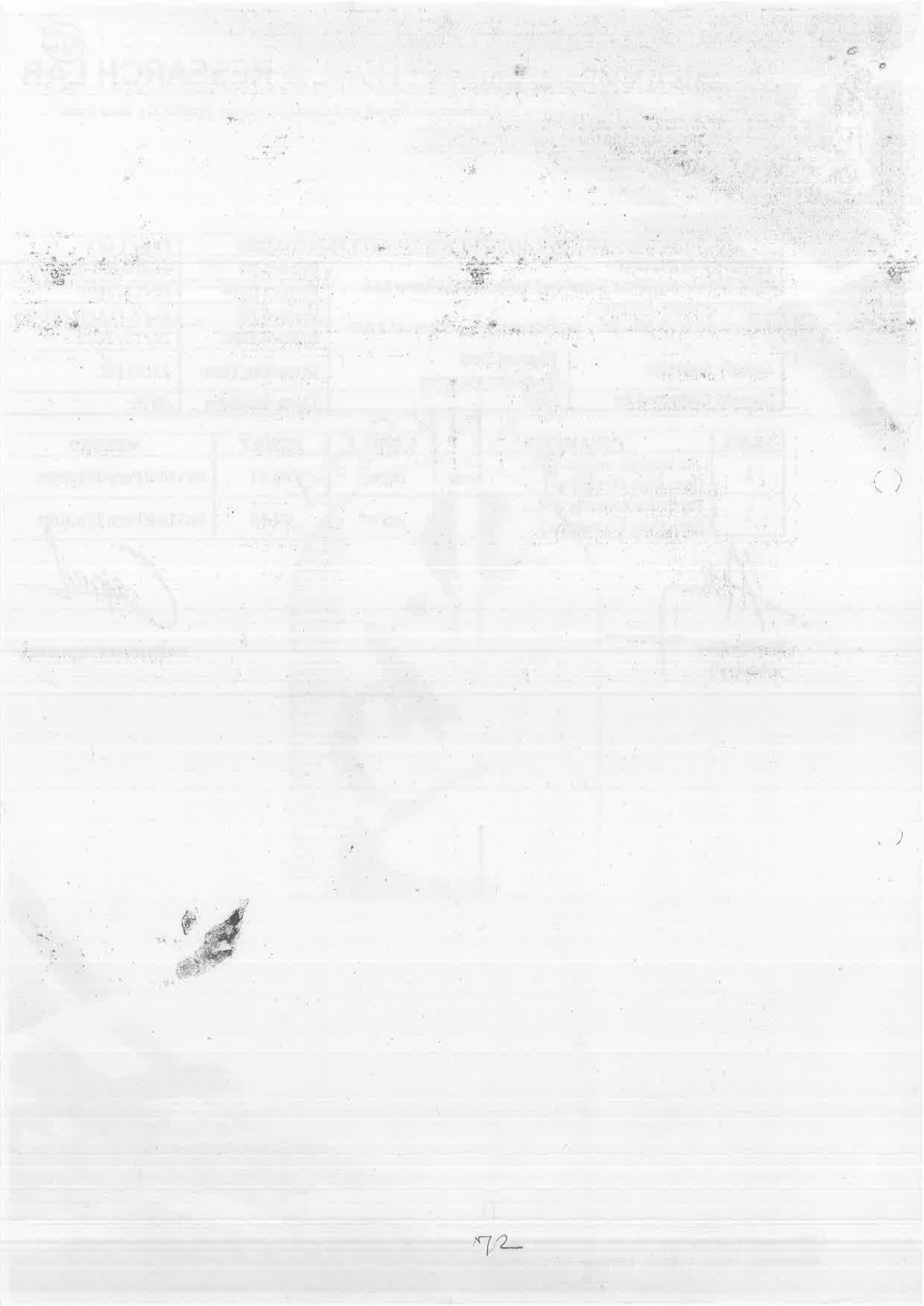
SR.NO.	PARAMETER	UNIT	RESULT	METHOD
1.	Particulate matter-PM_{10} (less than 10 micron)	$\mu g/m^3$	80.21	IS:5182(Part-23):2006
2.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	$\mu g/m^3$	22.45	IS:5182(Part-23):2006

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 : 020-24240030,08530074787 | Email : akankshalab2007@gmail.com



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- 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/69-221/22-23
		Report Date	03/01/2023
		Inward No	AL/7-822/06/22-23
		Inward Date	26/12/2022
Sample Location	Bagasse Yard {Fugititive Sample}	**Sampling Time**	12:30 PM
Sample Collected By	AARL	**Time duration**	08 Hr

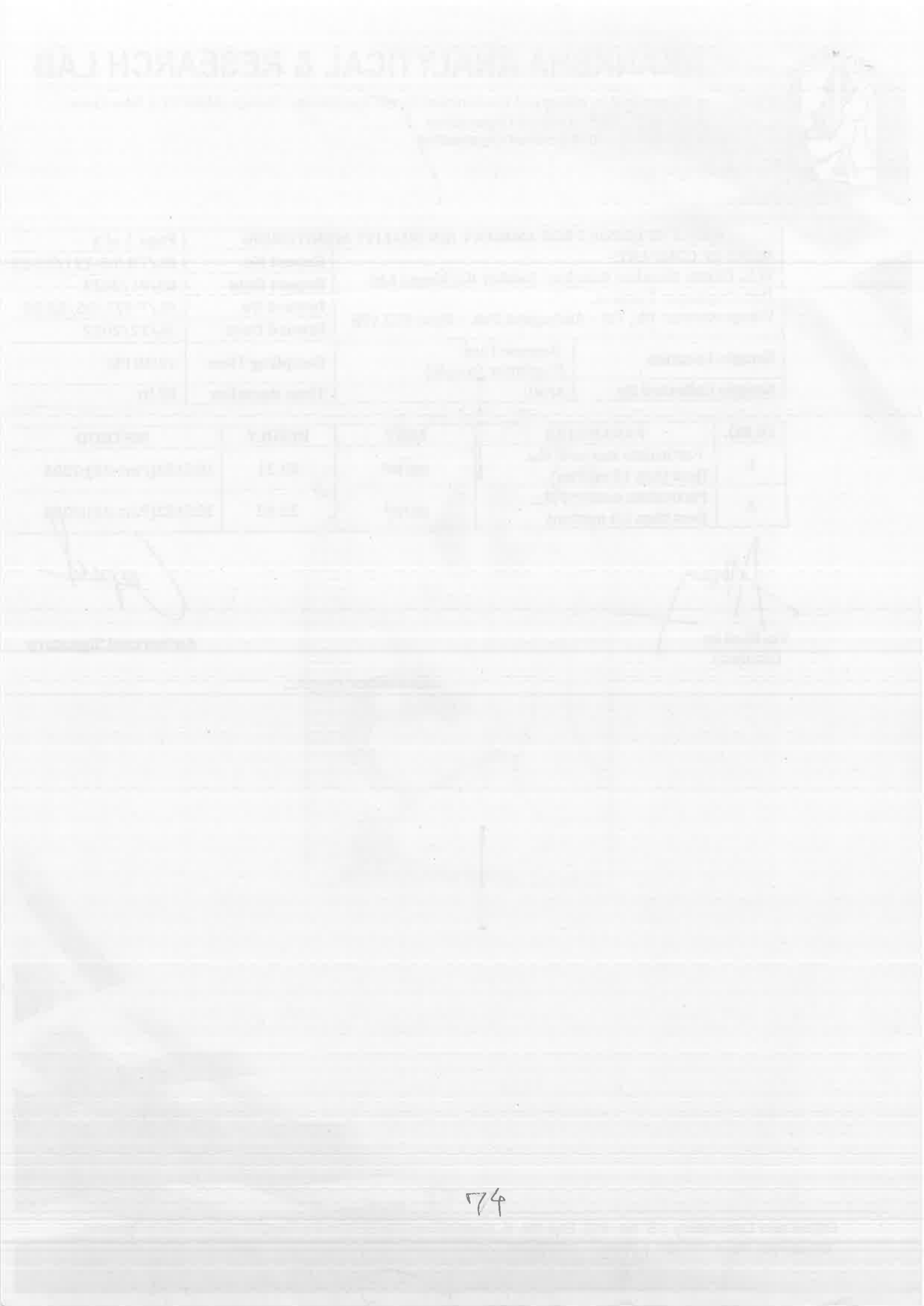
SR.NO.	PARAMETER	UNIT	RESULT	METHOD
1.	Particulate matter-PM_{10} (less than 10 micron)	µg/m³	83.21	IS:5182(Part-23):2006
2.	Particulate matter-$PM_{2.5}$ (less than 2.5 micron)	µg/m³	23.40	IS:5182(Part-23):2006

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** : 020-24240030,08530074787 | **Email** : akankshalab2007@gmail.com



आपली सेवा
आमचे कर्तव्य

सत्यमेव जयते

महाराष्ट्र शासन

औद्योगिक सुरक्षा व आरोग्य संचालनालय (कामगार विभाग)

परवाना क्रं :१०००४५४९

नमूना क्रमांक ४

(नियम ६ व ८ पाहणे)

कारखान्याची नोंदणी व कारखाना चालविण्याचा संबंधीचा परवाना

नोंदणी क्रमांक : १२२१०१०७२१००००

कारखाने अधिनियम, १९४८ आणि त्यासंबंधी असलेले नियम यांच्या तरतुदीप्रमाणे भीमाशंकर सहकारी साखर कारखाना लीमीटेड यांना खाली वर्णन केलेल्या जागेत कारखाना चालविण्यास परवाना देण्यात आला आहे.

या परवान्यान्वये या जागेत कोणत्याही एका दिवशी १००० पर्यंत कामगार लावण्यास आणि २००० पेक्षा जास्त अश्वशक्ति उपयोगात आणण्यास परवानगी आहे.

या परवान्याची मुदत ३१ डिसेंबर २०२३ पर्यंत आहे.

Digitally Signed by
Ashok D Khot
Date:1/18/2023 5:33:38 PM

शुल्क रु. - १४७००३.६० पोहोचले

दिनांक : १८-०१-२०२३

Signature valid

अपर संचालक
औद्योगिक सुरक्षा व आरोग्य,
महाराष्ट्र राज्य,पुणे ३

परवाना दिलेल्या जागेचे वर्णन

परवाना दिलेल्या कारखान्याचे Factory Name :	भीमाशंकर सहकारी साखर कारखाना लीमीटेड BHIMASHANKAR sAHAKARI SAKHAR KARKHANA LTD
पत्ता :	भीमाशंकर स.स. का. ली.,DATTATRAYNAGAR,Administative Building,मंचर शिरूर रोड,दत्तात्रयनगर,दत्तात्रयनगर,आंबेगाव,पुणे,महाराष्ट्र,४१२४०६
Address :	BHIMASHANAKAR S S K LTD,DATTATRAYNAGAR,Administative Building,Manchar Shirur Road,Dattatraynagar,Dattatraynagar,Ambegaon,Pune,MAHARASHTRA,412406
कलम :	२(m)(i)
औद्योगिक वर्गीकरण :	१०७२१

कारखान्याच्या इमारतीचे नकाशे दिनांक ३१.१२.२०१५ च्या जावक क्रमांक PLN/४७७/१५/SLC/RRV/७७५६ खाली मंजूर केले गेले आहेत.

This Certificate is digitally signed by on. 18-01-2023

टिप : हा कारखान्याची नोंदणी व कारखाना चालवण्याचा परवाना आहे. हा परवाना देण्यात आल्यामुळे ज्या जागेत हा कारखाना स्थित आहे, त्या जागेस कोणतीही वैधता आपोआप बहाल होत नाही तसेच ज्या जागेत हा कारखाना स्थित आहे ती जागा आज दिनांक वेळेस अस्तित्वात असल्या संबंधात या परवान्यामुळे कोणताही हक्क व स्वामित्व सदरहू भोगवटदारास प्राप्त होत नाही

VIII

FINANCIAL EXPRESS

WEDNESDAY, SEPTEMBER 14, 2022

BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD.
Dattatraynagar, Pargaon Via Awasari Bk.,Tal - Ambegaon, Dist - Pune
Mobile No. 9975568130, 8888846990, E-Mail - bssklld@gmail.com

PUBLIC NOTICE

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA) Maharashtra, Environment Department, Room No. 217, 2nd floor, Mantralaya, Mumbai 400032 has accorded Environment Clearance Identification No. EC22B022MH110015 and File No. SIA / MH / IND2 / 74065 / 2020 dated 07/09/2022 for the Proposed 45 to 95 KLPD Distillery Project at Dattatraynagar, Pargaon Tarfe Awasari Bk. Tal-Ambegaon, Dist.-Pune of M/s. Bhimashankar Sahakari Sakhar Karkhana Ltd.

Copy of Environment Clearance is available in Maharashtra Pollution Control Board office and available on website **http://parivesh.nic.in**

Managing Director

पुण्य नगरी

पुणे | बुधवार, १४ सप्टेंबर २०२२

भीमाशंकर सहकारी साखर कारखाना लि.

दत्तात्रयनगर, पारगाव तर्फे अवसरी बु. ता. आंबेगाव, जि. पुणे ४१२४०६ मो. क्र. ९९७५५६८१३०, ८८८८४६९९० ई मेल-bsskltd@gmail.com

जाहीर सूचना

राज्यस्तरीय पर्यावरण प्रभाव मुल्यांकन समिती, महाराष्ट्र राज्य, पर्यावरण विभाग, खाली क्र. २१७, दुसरा मजला, मंत्रालय, मुंबई यांच्याकडून भीमाशंकर सहकारी साखर कारखाना लि. दत्तात्रयनगर, पारगावतर्फे अवसरी बु., ता. आंबेगाव, जि. पुणे यांस प्रस्तावित ४५ ते ९५ के. एल.पी.डी. डिस्टीलरी प्रकल्पास EC Identification No. EC22B022MH110015 आणि File No. SIA/MH/IND2/74065/2020 दि. ०७/०९/२०२२ या पत्रान्वये पर्यावरण विषयक परवानगी देण्यात आली आहे.

सदर पर्यावरण मंजुरी पत्राची प्रत महाराष्ट्र प्रदुषण नियंत्रण मंडळ यांच्या कार्यालयामध्ये तसेच वेबसाईट http://parivesh.nic.in येथे उपलब्ध आहे

कार्यकारी संचालक

≡ MENU

पर्यावरण विषयक

English
Marathi

आमच्या विषयी

विभाग

यश

उत्पादने

सामाजिक उपक्रम

गॅलरी

करीयर

अहवाल

निविदा

शेतकरी पोर्टल

स्वतंत्र ऊस विकास विंग

VSI आणि CSRC Padegaon पासून सुधारित ऊस बियाणे वाण पुरवठा देखील शेतक-यांना वाजवी दर शेतीसाठी लागणारे साहित्य म्हणजे रासायनिक खते, कीटकनाशके कीटकनाशक पुरवठा.

तसेच माती आणि पाणी परीक्षण प्रयोगशाळा सुसज्ज.

45-95 KLPD Distillery EC Letter

Akanksha Lab Report Season 2021-22

Environment Statement 01 Apr 2021 to 31 Mar 2022

2500 to 6000 TCD Sugar EC Compliance 01 Jan 2022 to 30 Jun 2022

45KLPD Distillery EC Compliance 01 Jan 2022 to 30 Jun 2022

19 MW Co-Gen EC Compliance 01 Jan 2022 to 30 Jun 2022

EC 19 TO 29MW Cogen

6000 TCD EC Compliance (1st July 2021 to 31 Dec 2021)

45 KLPD Distillery EC Compliance (1st July 2021 to 31 Dec 2021)

19 MW Co-Gen EC Compliance (1st july 2021 to 31 Dec 2021)

2500 to 6000 MT Sugar EC Comp(01.01.2021 to 30.06.2021)

45 KLPD Dist EC Comp(01.01.2021 to 30.06.2021)

19 MW Co-gen EC Comp (01.01.2021 to 30.06.2021)

Akanksha Lab & On line Monitoring Report Season 2020-21

Environment Statement 2020-21

Environment Statement 2019-20

19 MW Co-Gen EC Compliance Report (1st Jun 2020 to 31st Dec 2020)

45 KLPD Distillery EC Compliance (1st Jun 2020 to 31st Dec 2020)

Sugar 2500TCD To 6000TCD EC Compliance (1st Jun 2020 to 31st Dec 2020)

Akanksha Lab Report (Water,Air,Stack-Season 2019-20)

45 KLPD Distillery Environmental Clearance

Six Monthly Compliance Report 6000 TCD Sugar Unit (1 st January 2020 to 30 June 2020)

Six Monthly Complaince Report 19 MW Co-gen.(1st January 2020 to 30 June 2020)

On Line Monitoring report 2019-20

Envrionment Statement (1st April 2019 to 31st March 2020)

Part B (19 Mw EC Compliance -01 July 2019 to 31st Dec 2019)

Part A (19 Mw EC complaince -01 July 2019 to 31st Dec 2019)

6000 M.T. E.C. Compliance (1st July to 31 st Dec.2019) Part B

6000 M.T. E.C. Compliance (1st July To 31st December 2019) Part A

19 MW Co-Gen E.C. MoEF Visit Compliance Report

MoEF Approved (Akanksha Lab) Analysis Report Season 2018-19

6000 M.T.Enviornmental Clearance

On -Line monitoring Report Season 2018-19

6000 MT EC Complinace Jan.to Jun.2019

19 MW Co-gen. EC Compliance Jan. to July 2019

19 MW Co-generation Environment Clearance

19 MW Co-generation Non complaince Report 2018-19

Environmental Statement (Form-V) 2018-19

Bhimashankar Sahakari Sakhar Karkhana

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- 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/48-982/2022-23
		Report Date	01/12/2022
		Inward No	11-225
		Inward Date	24/11/2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	Well Water-Ramesh Gaikwad East	Analysis End date	01/12/2022
		Sample Condition	Fit For Analysis
Sample Collected By	Party	Sample Volume	2250 ml

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	0.74	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	3458	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.51	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1147	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	155	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	522	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	416	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	51.5	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	68.9	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	265	≤200	APHA23rd Edition 20174500-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	12.5	≤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/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **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 sample as tested.**
- **All the test conducted at permanent location not at out source**
- **The contents of this test report shall not be reproduced in part or without written approval of lab incharge.**
- **BDL-Below Detectable Limit.**
- **N.S. Not Specified**
- **Opinion and interpretation – Not applicable**

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

...End of test report...

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AKANKSHA ANALYTICAL & RESEARCH LAB

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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.		Report No	AL/TR/48-984/2022-23
		Report Date	01/12/2022
		Inward No	11-227
		Inward Date	24/11/2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	Well Water-Madan Badase (East)	Analysis End date	01/12/2022
		Sample Condition	Fit For Analysis
Sample Collected By	Party	Sample Volume	2250 ml

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	0.41	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1748	N.S.	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.76	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	658	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	82.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	277	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	297	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	55.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	38.0	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	68.2	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	5.90	≤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/100ml	Absent	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014

REMARK-

- As per Specified above analysis water sample is not within the desirable limits.
- Sample will be preserve for seven days after analysis.
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- The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- BDL-Below Detectable Limit.
- N.S. Not Specified
- Opinion and interpretation – Not applicable

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.		Report No	AL/TR/48-981/2022-23
		Report Date	01/12/2022
		Inward No	11-224
		Inward Date	24/11//2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	Well Water-Nivruti Dhobale (west)	Analysis End date	01/12/2022
		Sample Condition	Fit For Analysis
Sample Collected By	Party	Sample Volume	2250 ml

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	0.73	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1747	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.47	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1057	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	112	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	479	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	386	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	59.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	57.0	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^2	mg/lit	199	≤200	APHA23rd Edition 20174500-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	12.0	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.02	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- As per Specified above analysis water sample is not within the desirable limits.
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- The contents of this test report shall not be reproduced in part or without written approval of lab incharge.
- BDL-Below Detectable Limit.
- N.S. Not Specified
- Opinion and interpretation – Not applicable

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.		Report No	AL/TR/48-980/2022-23
		Report Date	01/12/2022
		Inward No	11-223
		Inward Date	24/11/2022
Sample Testing Location	Laboratory	Analysis Start date	25/11/2022
Sample Detail	Well Water-Pandurang Walse South	Analysis End date	01/12/2022
		Sample Condition	Fit For Analysis
Sample Collected By	Party	Sample Volume	2250 ml

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	0.52	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1528	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	8.62	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	657	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	72.0	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	266	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	327	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	51.5	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	47.5	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	62.2	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	5.94	≤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/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

- **As per Specified above analysis water sample is not within the desirable limits.**
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- **Above analysis results are related to sample as tested.**
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- **BDL-Below Detectable Limit.**
- **N.S. Not Specified**
- **Opinion and interpretation – Not applicable**

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

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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/48-983/2022-23
		Report Date	01/12/2022
		Inward No	11-226
		Inward Date	24/11/2022
Sample Testing Location	Laboratory	**Analysis Start date**	25/11/2022
Sample Detail	Well Water-Yogesh Pingale North	**Analysis End date**	01/12/2022
		Sample Condition	Fit For Analysis
Sample Collected By	Party	**Sample Volume**	2250 ml

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	0.13	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	3184	N.S.	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.42	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1040	≤500	IS 3025 (Part 16) RA 2012 Gravimetric method
7.	Chlorides as Cl	mg/lit	112	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as CaCO3	mg/lit	479	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as CaCO3	mg/lit	406	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	59.4	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	61.8	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{2}	mg/lit	192	≤200	APHA23rd Edition 20174500-E-SO_4^{2}
13.	Nitrate as NO_3	mg/lit	11.9	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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

Prepared by
(Mr.Akshay Khot)

Authorized Signatory
(Mr.Vipul Waghmare)

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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/49-251/2022-23
		Report Date	30/12/2022
		Inward No	12-237
		Inward Date	26/12/2022
Sample Testing Location	Laboratory		
Sample Detail	South East -Borewell Water-Vishwanath Narhe	**Analysis Start date**	27/12/2022
Sample Collected By	Party	**Analysis End date**	30/12/2022
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as perIS:10500, 2012	Method Ref
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.35	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1238	N.S	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	705	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	101	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as $CaCO_3$	mg/lit	338	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as $CaCO_3$	mg/lit	61.2	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	137	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	64.3	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{-2}	mg/lit	609	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	13.2	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.02	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: **M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.		**Report No**	AL/TR/49-250/2022-23
		Report Date	30/12/2022
		Inward No	12-236
Sample Testing Location	Laboratory	**Inward Date**	26/12/2022
Sample Detail	Well Water-Popat Lole South-West	**Analysis Start date**	27/12/2022
Sample Collected By	Party	**Analysis End date**	30/12/2022
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as perIS:10500, 2012	Method Ref
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.31	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1552	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.91	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1009	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	85.4	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as $CaCO_3$	mg/lit	440	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as $CaCO_3$	mg/lit	368	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	76.8	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	42.2	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{-2}	mg/lit	609	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	13.0	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

...End of test report...

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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: **M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.		**Report No**	AL/TR/49-254/2022-23
		Report Date	30/12/2022
		Inward No	12-240
Sample Testing Location	Laboratory	**Inward Date**	26/12/2022
Sample Detail	North West Borewell Water-Tanishka Mangal Karyalay	**Analysis Start date**	27/12/2022
Sample Collected By	Party	**Analysis End date**	30/12/2022
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as perIS:10500, 2012	Method Ref
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.20	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1784	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	9.14	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1010	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	52.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as $CaCO_3$	mg/lit	470	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as $CaCO_3$	mg/lit	208	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	43.2	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	24.0	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{-2}	mg/lit	211	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	11.4	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- **N.S. Not Specified**
- **Opinion and interpretation – Not applicable**

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

...End of test report...

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

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TEST REPORT			Page 1 of 1
NAME OF COMPANY & ADDRESS: **M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.** Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. – Pune-412406.		**Report No**	AL/TR/49-249/2022-23
		Report Date	30/12/2022
		Inward No	12-235
Sample Testing Location	Laboratory	**Inward Date**	26/12/2022
Sample Detail	Well Water-Santosh Dhobale North-East	**Analysis Start date**	27/12/2022
Sample Collected By	Party	**Analysis End date**	30/12/2022
Sample Volume	2250 ml	**Sample Condition**	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as perIS:10500, 2012	Method Ref
A)	**PHYSICAL ANALYSIS**				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.24	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1580	N.S	IS 3025 (Part 14):2013
B)	**CHEMICAL ANALYSIS**				
5.	pH @ 25°C	---	8.78	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	745	≤500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	50.6	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as $CaCO_3$	mg/lit	268	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as $CaCO_3$	mg/lit	242	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	57.6	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	23.5	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{-2}	mg/lit	90.0	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	3.85	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.01	≤0.3	IS3025(Part-53)
C)	**BACTERIOLOGICAL ANALYSIS**				
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Absent	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- **N.S. Not Specified**
- **Opinion and interpretation – Not applicable**

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

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- 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/49-252/2022-23
		Report Date	30/12/2022
		Inward No	12-238
Sample Testing Location	Laboratory	Inward Date	26/12/2022
Sample Detail	Well Water-Balu Narhe South-East	Analysis Start date	27/12/2022
Sample Collected By	Party	Analysis End date	30/12/2022
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as perIS:10500, 2012	Method Ref
A)	PHYSICAL ANALYSIS				
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)
3.	Turbidity@ 25°C	NTU	0.08	≤1.00	IS3025(Part-10)
4.	Conductivity	µMHOs/cm	1689	N.S	IS 3025 (Part 14):2013
B)	CHEMICAL ANALYSIS				
5.	pH @ 25°C	---	7.74	6.5 to 8.5	IS 3025 (Part 11) RA 2012 Electrometric Method
6.	Total Dissolved Solids	mg/lit	1203	<500	IS 3025 (Part 16) RA 2012 Gravimetric Method
7.	Chlorides as Cl	mg/lit	104	≤250	IS3025(Part-32) RA 2009 Argentometric Method
8.	Total Alkalinity as $CaCO_3$	mg/lit	346	≤200	IS3025(Part-23)RA 2009
9.	Total Hardness as $CaCO_3$	mg/lit	614	≤200	IS3025(Part-21) RA 2014 EDTA Titrimetric method
10.	Calcium as Ca	mg/lit	146	≤75.0	IS3025(Part-40) RA 2009 EDTA Method
11.	Magnesium as Mg	mg/lit	59.5	≤30.0	APHA 23rd Edition 2017 3500- Mg B Calculation method
12.	Sulphate as SO_4^{-2}	mg/lit	91.1	≤200	APHA-23rd Edition 2017-E-SO_4^2
13.	Nitrate as NO_3	mg/lit	13.2	≤45.0	APHA 23rd Edition 20174500-B-NO_3
14.	Iron as Fe	mg/lit	0.02	≤0.3	IS3025(Part-53)
C)	BACTERIOLOGICAL ANALYSIS				
15	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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

Prepared by
(Mr. Akshay Khot)

Authorized Signatory
(Mr. Vipul Waghmare)

...End of test report...

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

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number
MPCB-ENVIRONMENT_STATEMENT-0000042278

Submitted Date
05-06-2022

PART A

Company Information

Company Name
Bhimashankar Sahakari Sakhar Karkhana Ltd.

Application UAN number
0000092460

Address
Dattatraynagar,Pargaon Tarfe Awasari Bk.

Plot no
-

Taluka
Ambegaon

Village
Pargaon Tarfe Awasari Bk.

Capital Investment (In lakhs)
28174.0100

Scale
Red

City
Pargaon Tarfe Awasari Bk.

PIncode
412406

Person Name
Mr.Chandrakant G.Dhage

Designation
Managing Director

Telephone Number
9975568130

Fax Number
0213328270

Email
bsskltd@gmail.com

Region
SRO-Pune II

Industry Category
Red

Industry Type
R12 Sugar (excluding Khandsari)

Last Environmental statement submitted online
yes

Consent Number
Format1.0/CC/UAN No.MPCB-CONSENT-0000092460/CO-2009000301

Consent Issue Date
2020-09-07

Consent Valid Upto
2023-07-31

Establishment Year
2000

Date of last environment statement submitted
Jul 3 2021 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Sugar	21600	21230	

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Bagasse	46800	48671.51	
Molasses	7200	7841.81	

Pressmud	7200	5914.48	
Co-Generation	19	19	Mwh

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	1200.00	780.00
Cooling	0.00	0.00
Domestic	96.00	62.00
All others	0.00	0.00
Total	1296.00	842.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	650	570	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Sugar	0	0.008	CMD

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
Sugarcane	841527.690	1201694.00	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	46800	48671	

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%varlation	Standard	Reason
pH	7.5	7.0	00	5.5 to 9.0	Nil

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
SPM	115	105	00	105	Nil

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0.260	0.270	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	3850	4010	MT/A
ETP Sludge	00	2	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-	00	00	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-F

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.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.270	MT/A	-

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	4010	MT/A	-
ETP Sludge	2	MT/A	-

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Trade Effluent	6.40	510	14	1400	2.70	0.40

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
1)Online Monitoring system for Effluent & Stack 2) Annual Maintenance of Effluent treatment plant	Control Air & Water Pollution	3.10

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
1)Plantation Programme 2) Annual Maintenance Contract for On Line Monitoring System	Tree plantation & Control Air & Water Pollution	1.5

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Adopt New technology for Air & Water Pollution

Name & Designation

Mr.Chandrakant G. Dhage - Managing Director

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000042278

Submitted On:

05-06-2022