



(Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 / 1994 Dt.31-3-1994) GSTIN : 27AAAAB0949G1ZZ

Dattatraynagar, Pargaon Via Awasari (BK), Tal. Ambegaon, Dist.Pune. 412 406

Tel.Fax:(02133) 284270, 9975568130, 8888846990 E-mail: bsskltd@gmail.com, Web site: www.bhimashankarssk.com, www.bsskl.sets.co.in

BSSK/Mfg/ 620 /2026-27

Date: -07/06/2026

By Mail

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.- compliance-mh@bsskl.in.

Sub- Submission of Six Monthly EC Compliance Report.

(1st Jan. 2026 to 30 June 2026) (File No.- SIA/MH/IND2/568058/2026)

(E.C. Identification No.EC26B2506MH5844129N) Dt.10/05/2026.

Dear Sir,

We are submitting herewith six monthly compliance report of Environment Clearance for 6000 to 10000 TCD Sugar plant expansion . (1st Jan. 2026 to 30 June 2026) for your reference.

Thanking you.

Yours Faithfully,


(C.G. Dlage)
Managing Director.

Encl- -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, Pune 411 003.

Annexure

Sr. No.	Details	Page No.
1.	6000 to 10000 TCD Sugar E.C	1-20
2.	Consent to Operate -6000 MT Sugar & 29 MW Co Gen.	21-30
	I)OCEMS Photo & Report Season 2025-26 (Stack& ETP)	31-44
	II)Revised Environment Management Plan (EMP)	45-46
	III)ESP & Wet Scrubber Details & Photographs	47-62
	IV)Stack & Air Ambient Report MoEF Approved Akanksha Lab Report Season 2025-26	63-84
	V) Boiler Stack Photographs	85-86
	VI) Rain Water Harvesting Details	87-96
	VII) Plantation Certificate issued By Regional Forest Officer, Manchhar and Taluka Agriculture Officer and Photographs.	97-102
	VIII)Fugitive Monitoring Report MoEF Approved Akanksha Lab Report Season 2025-26	103-104
	IX) DISH License	105-106
	X) EC news given in Newspaper	107-108
	XI) Website Screen Shot-Compliance Report	109-114
	XII) Ground Water Monitoring Report MoEF Approved Akanksha Lab Report Season 2025-26	115-130
	XIII) Noise Monitoring Report MoEF Approved Akanksha Lab Report Season 2025-26	131-134
	XIV) Environment Statement (Year 2025-26)	135-138

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change

Regional Office (Nagpur),

Monitoring Report

Part-I

DATA SHEET

Basic information:

1.	Project Type: River-valley / Mining / Industry / Thermal / Nuclear / Other (Specify)	Industry-Sugar unit (10000 TCD)
2.	Schedule and category of the Project as per EIA, 2006	Schedule: 5 (j) Sugar Category : B1
3.	Category of the project as per CPCB Guidelines (Red, Orange, Green)	Red Category
4.	Name of the project and project proponent	Mr. Chandrakant Gangadhar Dhage (Managing Director) Expansion of Sugar Plant from 6000 TCD to 10000 TCD by M/s. Bhimashankar Sahakari Sakhar Karkhana Limited. Address: Village Dattatraynagar, A/P Pargaon Via Awasari Bk., Tal. Ambegaon, Dist. Pune.
5.	Clearance Letter (s) / OM No. and date (Chronological Order)	Environment Clearance (EC) Environment Department, Government of Maharashtra for Expansion of Sugar Factory from 6000 TCD to 10000 TCD vide SEIAA-EC-EC26B2506MH5844129N dated May 10, 2026.
6.	Location a. District (s) b. State (s) c. Latitude d. Longitude	Pune Maharashtra 18°58'32.68"N 74° 5'27.20"E
7.	Address for correspondence a. Address of concerned Project Managing Director (with Pin Code & Telephone/ Telex/ Fax Numbers and Email id): & b. Address of Executive Managing Director (with pin code/fax numbers and Email id)	Mr. Chandrakant Gangadhar Dhage Factory Address: Village Dattatraynagar, A/p- Pargaon Via Awasari Bk., Tal. Ambegaon, Dist. Pune. Pin code: 411046 Email id: bsskltd@gmail.com

8.	a. Salient features of the Project	M/s Bhimashankar Sahakari Sakhar Karkhana Ltd (BSSKL) has received the following clearances: Environmental Clearance (EC) Issued by SEIAA, Maharashtra (SEIAA-EC-EC26B2506MH5844) 129N dated May 10, 2026) on 10 May 2026, approving the expansion of its sugar unit from 6000 TCD to 10000 TCD (Copy included as Annexure 1.) (Page No.1 to 20) Consent to Operate (CTO) Granted by the Maharashtra Pollution Control Board (MPCB) via letter Format1.0/CAC(UAN: MPCBCONSENT-0000170265/CR/2309000334), dated 5 September 2023, permitting operations for 6,000 TCD sugar and 29 MW cogeneration, valid until 31 July 2026. (Copy included as Annexure 2). (Page No. 21 to 30)																		
	b. Environmental Management Plan	Waste water:- •1264 CMD sugar effluent will be treated in 1350 CMD capacity & treated water will be used for process, non-process applications, and irrigation purposes. •The ETP includes preliminary treatment (screening, grit removal, oil & grease removal), an equalization tank, neutralization tank, primary clarifier, anaerobic digester (UASBR), aeration tank, secondary clarifier, sludge drying beds, a holding tank, and a 8400 m³/day storage tank for treated water recycling. •Domestic sewage of 81.6 CMD will be treated in 90 CMD STP. Air pollution: Existing sugar plant comprises 1*80 TPH boiler with a 72-meter stack with ESP and 2*45 TPH boilers with 60-meter common stack, equipped with Wet scrubber as APCE. DG set of 500 kVA with 15 m stack height as per CPCB guidelines. Solid waste: <table><tr><th rowspan="2">Solid waste</th><th colspan="2">Sugar</th><th rowspan="2">Treatment & Disposal</th></tr><tr><th>Existing</th><th>Proposed</th></tr><tr><td>Press Mud (TPD)</td><td>240</td><td>400</td><td>Used as manure</td></tr><tr><td>Bagasse Ash(TPD)</td><td>29.8</td><td>-</td><td>Used as manure</td></tr><tr><td>ETP Sludge(TPD)</td><td>0.99</td><td>0.66</td><td>Used as manure</td></tr></table>	Solid waste	Sugar		Treatment & Disposal	Existing	Proposed	Press Mud (TPD)	240	400	Used as manure	Bagasse Ash(TPD)	29.8	-	Used as manure	ETP Sludge(TPD)	0.99	0.66	Used as manure
Solid waste	Sugar			Treatment & Disposal																
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ETP Sludge(TPD)	0.99	0.66	Used as manure																	

		CPU sludge(TPD)	0.16	0.10	Used as manure																								
		STP sludge(TPD)	0.0006	0.0001	Used as manure																								
9.	Break-up of the Project area: a. Submergence Area: Forest &Non-Forest b. Others	Non-Forest Area																											
	a. Total Plot Area b. Built – Up Area (Including Road) c. Open Space available d. Green belt area	Total plot area: 58 Ha. <table><tr><th>SN</th><th>Description</th><th>Area Ha.</th></tr><tr><td>1.</td><td>Existing sugar area</td><td>8.7</td></tr><tr><td>2.</td><td>Distillery area</td><td>2.1</td></tr><tr><td>3.</td><td>Existing Greenbelt (33%)</td><td>19.1</td></tr><tr><td>4.</td><td>Parking</td><td>8.7</td></tr><tr><td>5.</td><td>Internal Road</td><td>3.5</td></tr><tr><td>6.</td><td>Open Area</td><td>15.9</td></tr><tr><td></td><td>Total Available Land</td><td>58</td></tr></table>				SN	Description	Area Ha.	1.	Existing sugar area	8.7	2.	Distillery area	2.1	3.	Existing Greenbelt (33%)	19.1	4.	Parking	8.7	5.	Internal Road	3.5	6.	Open Area	15.9		Total Available Land	58
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10.	Financial Details a. Project costs as originally planned & subsequent revised estimates and the year of price reference. b. Allocations made for Environmental Management Plan with item wise & year wise breakup. c. Actual expenditure incurred on the Project so far d. Actual expenditure incurred on the Environmental Management Plan so far	Capital Cost of the Project: Rs. 52.0 Crores/- (Sugar unit) Funds have already been expended under the Environmental Management Plan, with separate allocations in place for implementing environmental protection measures/EMP initiatives. Budgetary allocations for environment management (Sugar Unit) <table><tr><th>Sr. No.</th><th>Particular</th><th>Recurring cost (Rs. in Lakhs)</th><th>Capital Cost (Rs. in lakhs)</th></tr><tr><td>1.</td><td>Pollution Mitigation Budget (Air, Water, Solid Waste)</td><td>146</td><td>477</td></tr><tr><td>2.</td><td>Employees Health Checks provision</td><td>5</td><td>50</td></tr><tr><td>3.</td><td>Employees Skill Training</td><td>-</td><td>8</td></tr><tr><td>4.</td><td>Green Belt</td><td>10</td><td>30</td></tr><tr><td>5.</td><td>Rain water harvesting</td><td>2</td><td>8</td></tr><tr><td>6.</td><td>Environmental monitoring system</td><td>2</td><td>15</td></tr><tr><td></td><td>Total</td><td>165</td><td>619</td></tr></table>			Sr. No.	Particular	Recurring cost (Rs. in Lakhs)	Capital Cost (Rs. in lakhs)	1.	Pollution Mitigation Budget (Air, Water, Solid Waste)	146	477	2.	Employees Health Checks provision	5	50	3.	Employees Skill Training	-	8	4.	Green Belt	10	30	5.	Rain water harvesting	2	8	6.	Environmental monitoring system	2	15		Total	165	619
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11.	Forest land requirement: The status of approval for diversion of Forestland for non-forestry use	NA Not Applicable Forest land is not utilized for the project																																		
12.	Whether project located in Critically Polluted Area/Severely Polluted	No																																		
13.	Status of construction: a. Date of commencement (Actual and/or planned) b. Date of completion (Actual and/or planned)	a. Planned b. Planned																																		
14.	Production details as per EC & CTO	<table><tr><th>Production details</th><th>As per EC dated 10.05.2026</th><th>As per Consent dated 05.09.2023</th></tr><tr><td>Sugar (TCD)</td><td>10000</td><td>6000</td></tr><tr><td>Cogen (MW)</td><td></td><td>29</td></tr></table>	Production details	As per EC dated 10.05.2026	As per Consent dated 05.09.2023	Sugar (TCD)	10000	6000	Cogen (MW)		29																									
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Sugar (TCD)	10000	6000																																		
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15.	Reasons for the delay if the project is yet to start	The project commissioned and started its operation																																		

16.	KML file of the project	PP has submitted KML file.
17.	Status of Public Hearing Commitments	The public hearing was held at the industry site on 22 August 2025, and we will fulfil all the commitments made herein.
18.	Status of R&R	Not applicable As there were no human settlements on site, no Resettlement & Rehabilitation measures were required.
19.	Dates of site visits: a. The dates on which the Project was monitored by Regional Office on previous occasions, if any b. Date of site visit for this monitoring Report	a. No b. Dr. P.R. .Sakahre (Scientist-E) MoEF Regional Office- Nagpur, visited on dt. 25/06/2025 and satisfactory report is issued.
20.	Purpose of present Site visit: a. Suo moto / Random Inspection of projects by RO/SRO b. CCR for expansion project's EC under EIA Notification 2006 c. Verification Report (VR) of Action Taken Report (ATR) or SCN response submitted by the PP d. Complaint received against the project e. Reference forwarded by the Ministry which inter-alia may include PMO, VIP, Public Grievance, Parliamentary, RTI references f. Direction by Hon'ble court or by the Ministry in various Court Matter g. Direction from the Ministry in any other matter	- -
21.	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 cause or notices of pollution department. We are regularly monitoring both air & water data as per CPCB guidelines & parameters are within limit.

Part-II

A report on the status of compliance of various conditions stipulated in EC granted by GoM, SEIAA, Maharashtra vide file no. EC letter SEIAA-EC-EC26B2506MH5844129N dated May 10, 2026 for sugar production of 10000 TCD at Dattatraynagar, A/P Pargaon Via Awasari Bk., Tal. Ambegaon, Dist. Pune by M/s. Bhimashankar Sahakari Sakhar Karkhana Limited.

Sr. No	Conditions as per EC dated 10.05.2026 for Expansion of sugar unit from 6000 TCD to 10000 TCD	Status as per six monthly compliance report submitted by the PP
Sr. No.	Specific Conditions-	
1	PP to provide Continuous Environmental Monitoring System to the proposed stack emissions/effluent and connect the same to the CPCB and MPCB server.	As per CPCB guidelines, we have installed online continuous monitoring system for ETP & both boiler stack and system is connected to MPCB & CPCB from 19 Dec. 2015. Season 2025-26 -OCEMS Reports attached. Ann. I (Page No.31 to 44)
2.	PP to include online monitoring system CAAQMS in capital as well as recurring cost in the EMP & accordingly revise the EMP.	We have revised the Environment Management Plan (EMP). Copy attached. Ann.II (Page No. 45 to 46)
3.	PP to provide appropriate Air Pollution control (APC) system for all the dust generating points including fugitive dust from all vulnerable sources ,so as to comply prescribed stack emission standards.	We have provided air pollution control equipment's ESP for 80 TPH Boiler & Wet Scrubber for 45 TPH Boilers. (Details & Photographs are attached. Ann.III (Page No. 47 to 62) MoEF Approved Akanksha Lab (Stack & Air Ambient) reports (Season 2025-26) are attached. Ann. IV (Page No. 63 to 84)
4.	PP to insure that spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit).	Spent wash from evaporation are stored in RCC tank and directly send to the incineration in boiler. The condensate, spentlees and utilities effluent are treated in 3 rd stage RO.
5.	Treated effluent will be recycled/reused for make-up water of cooling towers /process etc. and no waste or treated water shall be discharged outside the premises.	Treated effluent is recycled and utilized as makeup water for cooling towers. No effluent of any kind is discharged outside the premises.
Standard Conditions-		
1.	PP to use new and renewable energy for illumination of office building. street lights, parking areas and maintain the same regularly.	Solar energy lights are installed at administrative building & street lighting.
2.	PP to provide separate energy meter for environmental facilities provided in the industry.	Separate energy meter is provided for environmental facility.
3.	PP to insure storage of concentrated spent wash is as per CPCB guidelines.	We are stored spent wash in HDPE lined lagoon with concrete.
4.	PP to insure that all necessary precautions shall be taken to avoid accidents and action plan shall be prepared & implemented for avoiding accidents. PP shall implement on site / off site	We are prepared a safety audit and on site emergency plan to ensure safety measures. We are strictly follow all safety regulations.

	emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of the Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time and the Chemical Accidents & Emergency Planning, Preparedness and Response) Rules, 1996 as amended time to time.	
5.	PP to insure that Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable).	We are agree with the same.
6.	The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	80 TPH boiler is attached 72 mtrs. ht. stack & 45 TPH- 2 boilers are attached 60 mtrs. ht. stack as per CPCB/SPCB guidelines. (Photographs are attached) Ann.V (Page No. 85 to 86)
7.	PP shall comply with all environmental protection measures and safeguards proposed in the documents submitted. All recommendations made in the EIA / EMP in respect of environmental management, risk mitigation	We are agree with the same.
8.	The budget proposed under EMP shall be kept in separate account and should be added annually.	A separate fund will be allocated for Environment Management plan - Management is very committed for the same. The funds should be added annually.
9.	The pp should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date and time) and other documents as applicable to the regional office of MoEF & CC every year for the activities carried out during previous year.	We are agree with the same.
10.	The occupational health Centre for surveillance of the workers. All workers' health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & Employees shall be provided with the required safety kits/PPEs for personal protection.	We arrange health checkup camp for all employees once in every year and records is maintained as per Factory Act. We are organizing pre & post medical check-ups for all employees. Medical record is maintained of each employee. The Factory has taken all workers the mediclaim policies to take care of the health of the workers.
11.	PP to ensure adequate treatment for Domestic sewage generated within project site & ensure that treated water parameters meet the standards prescribed by MPCB & CPCB.	Domestic sewage will be treated in proposed 90 CMD STP plant.
12.	PP to complete rain water harvesting facility before the commissioning of the manufacturing	Complied. Rainwater from the roofs of factory

	activity.	buildings and office areas is collected through a well-designed network of down take pipes and directed to the on-campus water body. This system enables effective rainwater harvesting and contributes to groundwater recharge. The facility is designed to handle a rainwater harvesting capacity of approximately 5000 KLD. Ann. VI .(Page No.87 to 96)
SEIAA Conditions-		
1.	PP has obtained plan approval from ADTP dated 21.2.2000 and as per the plan their net plot area for the proposal is 580000 m ² and they have proposed green belt of 211000 m ² i.e.36.37% of net plot area. To ensure the compliance of the same.	Till 2025, we have planted on 33% of the total area of the factory with drip irrigation. Apart from, it is planned to plant 5000 trees on the remaining area.
2.	PP to strictly with the commitment made by them before the SEAC with respect to plantation of trees i.e., plantation of 28650 nos. of trees.	We are agree with the same.
3.	PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no Sa VaVi-2019/C.R.3/F-11, Dated 25 th June, 2019. the said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki expert / arborist.	Trees Species are selected as per the Forest Department (Certificate issued By Regional Forest- Manchar and Taluka Agricultural Officer & Photographs are attached. (Ann.VII) (Page No. 97 to 102)
4.	PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.	We are follow the rules of solid waste management.
5.	PP to strictly observe the Hazardous and other Wastes (Managements & trans boundary Movement) Rules, 2016 as amended time to time.	We are follow the rules of and other waste management.
6.	PP to identify all sources of fugitive air pollution on site 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.	This is our routine practice. MoEF approved Akanksha Lab reports are attached. Season 2025-26. (Ann. VIII)(Page No.103 to 104)
7.	PP to ensure storage of chemical as per the Manufacture Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time	We are transport, storage, handling and use of the flammable /toxic chemicals as per conditions.
8.	PP to ensure transport ,storage, handling and use of the flammable/ toxic chemical as per condition stipulated in licenses/approval of the petroleum & Explosive safety Organization (PESO).	Anticipated odour generation sources like molasses, fermentation unit, spent wash, ETP septic tank, Yeast storage & ETP Sludge. Following control measures are implanted to avoid the odour in the keeping. -Better Housekeeping.

		-Process is under closed conditions. -Spent wash from evaporation are stored in RCC tank and directly send to the incineration in boiler. -No bio-methnation are adopted. -Fermentation unit are provided with proper cover to avoid the spread of odour 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 is also be avoided.
9.	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 1983 and ensure compliance of recommendation of the Audit.	We have obtained and License the Directorate of Industrial Health & Safety(DISH) for Sugar & Co-gen. project. Copy attached. (Ann. IX) (Page No.105 to 106)
10.	PP to provide solar energy for illumination of Administrative Building, Street Light and parking Area.	Solar energy lights are installed at various places.
11.	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.	We are agree with the same.
12.	PP to provide roof top Rain Water Harvesting Facility.	Complied. Rainwater from the roofs of factory buildings and office areas is collected through a well-designed network of down take pipes and directed to the on-campus water body. This system enables effective rainwater harvesting and contributes to groundwater recharge. The facility is designed to handle a rainwater harvesting capacity of approximately 5000 KLD.
13.	PP to ensure that project is a ZLD for Distillery unit.	Distillery project is completely ZLD. We have provided MEE & incineration boiler with CPU to achieve ZLD and no wastewater/treated water are discharged outside the premises.
General Conditions-		
1	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	Karkhana published advertise in local newspapers 1)Financial Express (English)- 16 th May 2026) Punyanagari (Marathi) - 16 th May 2026 (Copy Attached Ann. X) (Page No. 107 to 108)

	with the Maharashtra pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in	
	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 the regional Office off MOEF & CC at Nagpur, on 1 st June & 1 st December of the each calendar year.	Submitting regularly. Website screenshot copy attached. Ann.XI (Page No.109 to 114)
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 be diverted for other purpose and year wise expenditure should be reported to the MPCB and the SEIAA.	We have received the EC in May 2026. – A separate fund will be allocated for Environment Management plan. Management is very committed for the same. The funds earmarked for Environment does not diverted to any account head.
IV	A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.	Environment Management cell is established. It is headed by as qualified and experienced. Environmental Officer having experience more than 10 years.
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.	After failure of pollution control device, we are immediately stop the Boiler operation restart after activation of pollution controlling device. We are intimate both CPCB & MPCB time to time by mail in this regard without any delay.
VI	PP to strictly follows conditions stipulated in the consent to establish/operate issued by the Maharashtra Pollution Control Board	We strictly follow consent conditions.
VII	PP to provide separate drains for storm water and effluent, and ensure that, the storm water drain are dry all the time and in no case the effluent shall mix with the storm water drain.	We have proper drainage for storm water & effluent and there is no mixing of waste water & storm water.
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. Result shall be regularly submitted to the Maharashtra Pollution Control Board.	This is our routine practices. MoEF Approved Akanksha Lab Season 2025-26(Ground water monthly analysis reports are attached. Ann. XII (Page No.115 to 130)
IX	The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment	Noise proof cabins are provided to operates wherever is possible. Further we are providing ear plugs for employees.

	(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.	Noise level is within standard limits. (Akanksha lab noise analysis reports are attached. (Season 2025-26) Ann. XIII (Page No.131 to 134)
	Adequate safety measures shall be ensured to limit the risk zone within the factory premises.	Adequate safety measures like helmets, Shoes, Safety belts etc. are provided..
	PP to scrupulously follow the requirements of Maharashtra Factories Act. 1948 & Rules 1963 as Amended from time to time.	We are strictly follow Maharashtra Factories Rules as amended from to time.
	The environmental Statement for each financial year ending on 31 st 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.	Submitted regularly. (FY 2025-26 copy attached.) Ann.XIV. (Page No.135 to 138)


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

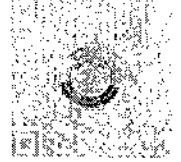


File No: SIA/MH/IND2/568058/2026

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



Date 10/05/2026



To,

Chandrakant Gangadhar Dhage
BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
Plot No. 148,206, Dattatraya Nagar, P.O. Pargaon via Awasari, Taluka: Ambegaon, Dist. Pune ,
Dattatrayanagar, A/P Pargaon Via Awasari Bk, PUNE, MAHARASHTRA, , 412406
bsskltd@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/MH/IND2/568058/2026 dated 06/02/2026 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26B2506MH5844129N
(ii) File No.	SIA/MH/IND2/568058/2026
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	5(j) Sugar Industry
(vii) Name of Project	Proposed Expansion of Existing Sugar plant from 6000 TCD to 10000 TCD by M/s. Bhimashankar Sahakari Sakhar Karkhana Limited at Village Dattatrayanagar, A/P Pargaon Via Awasari Bk. Taluka Ambegaon, District Pune
(viii) Name of Company/Organization	BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
(ix) Location of Project (District, State)	PUNE, MAHARASHTRA
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

Plot/Survey Khasra Nos.: 130/2, 131/1, 131/2, 146, 148, 149, 150/2, 151/1, 152/2, 153/2, 154, 155/2, 156, 157/1, 157/2,

158, 159, 160/1, 160/2, 161 162, 165, 202, 203/1, 203/2, 204/2, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 219, 220, 221, 403/1

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A, B and C)/ EIA & EMP Reports were submitted to the SEIAA for an appraisal by the SEIAA under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by SEIAA in the meeting held on . The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link [click here](#).
5. The brief about configuration of products and byproducts as submitted by the Project Proponent in Form-1 (Part A, B and C)/ EIA & EMP Reports / presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on , based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.
7. The SEIAA has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Environment Impact Assessment Authority(SEIAA) Appraisal Committee hereby accords Environment Clearance to the instant proposal of M/s. Chandrakant Gangadhar Dhage under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
- 11.
12. General Instructions:

(a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

(b) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

(c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

(d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(f) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(g) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

13. This issues with the approval of the Competent Authority

Annexure 1

Specific EC Conditions for (Sugar Industry)

1. Specific Conditions

S. No	EC Conditions
1.1	<u>Specific Conditions:</u> 1. PP to provide Continuous Environmental Monitoring System to the proposed stack emissions/effluent and connect the same to the CPCB and MPCB server. 2. PP to include online monitoring system CAAQMS in capital as well as recurring cost in the EMP & accordingly revise the EMP. 3. PP to provide appropriate Air Pollution Control (APC) system for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards. 4. PP to ensure that Spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). 5. Treated effluent will be recycled/reused for make-up water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises. <u>Standard Conditions:</u> 1. PP to use new and renewable energy for illumination of office building, Street lights, Parking areas and maintain the same regularly. 2. PP to provide separate energy meter for environmental facilities provided in the industry. 3. PP to ensure storage of concentrated spent wash is as per CPCB guidelines. 4. PP to ensure that all necessary precautions shall be taken to avoid accidents and action plan shall be prepared & implemented for avoiding accidents. PP shall implement on site/Off site emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of the Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time and the Chemical Accidents & Emergency Planning, Preparedness and Response) Rules, 1996 as amended time to time. 5. PP to ensure that Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). 6. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines. 7. PP shall comply with all environmental protection measures and safeguards proposed in the documents submitted. All recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures relating to the project shall be implemented. 8. The budget proposed under EMP shall be kept in separate account and should be audited annually. 9. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo -location date & time) and other documents as applicable to the Regional Office of MoEF&CC every year for the activities carried out during previous year. 10. The occupational health Centre for surveillance of the workers' health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & Employees shall be

S. No	EC Conditions
	provided with the required safety kits/ PPEs for personal protection. 11. PP to ensure adequate treatment for Domestic sewage generated within project site & ensure that treated water parameters meet the standards prescribed by MPCB & CPCB. 12. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.

Annexure 2

Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Proposed Expansion of Existing Sugar plant from 6000 TCD to 10000 TCD by M/s. Bhimashankar Sahakari Sakhar Karkhana Limited at Village Dattatrayanagar, A/P Pargaon Via Awasari Bk. Taluka Ambegaon, District Pune	
b.	Latitude and Longitude of the project site	18.97085100492447,74.08591537296564 18.97708913175596,74.09136298255	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	58
		Forest Land (B)	0
		Total Land (A+B)	58.0
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	13400	
g.	EMP Cost (in lacs)	639	
h.	Employment Details		

Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Cogen Power	Product	29	0	29	Mega Watt (MW)	Grid
Sugar Cane Crushing	Product	6000	4000	10000	Tons Crushed per Day (TCD)	Road
Molasse	By-Product	240	160	400	Metric Ton Per Day	Pipe Conveyor
Press Mud	By-Product	240	160	400	Metric Ton Per Day	Road
Bagasse	By-Product	1560	1040	2600	Metric Ton Per Day	Road

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND2/568058/2026
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To,
M/s. Bhimashankar Sahakari Sakhar
Karkhana Limited.,
A/P Pargaon Via Awasari Bk. Taluka
Ambegaon, District Pune.

Subject: Environmental Clearance for Proposed Expansion of Existing Sugar plant
from 6000 TCD to 10000 TCD by M/s. Bhimashankar Sahakari Sakhar
Karkhana Limited at Village Dattatrayanagar, A/P Pargaon Via Awasari
Bk. Taluka Ambegaon, District Pune

Reference: Application no. SIA/MH/IND2/568058/2026

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 362nd meeting dated 12.03.2026 under screening category 5(f) B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 334th (Part B) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 29th April 2026.

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

Sr. No.	Parameters	Details
A	Meeting Details	
1.	Meeting No. / Item No.	Sr no 07
2.	Proposal No.	SIA/MH/IND2/568058/2026
B	Project details	
1.	Project Name	Proposed Expansion of Existing Sugar plant from 6000 TCD to 10000 TCD by M/S Bhimashankar Sahakari Sakhar Karkhana Limited
2.	Pollution Index Category (PI)	Red
	Proposal Type	Expansion
3.	Schedule, Item & Category as per EIA Notification, 2006	B1
4.	Details of earlier consideration (if any)	No
5.	Name of Project Proponent	Mr.Chandrakant G. Dhage

6.	ToR Granted on (Date)	11.01.2025
	Validity of ToR till (Date)	10.01.2028
7.	Earlier EC details (if expansion)	Vide EC letter No. SEIAA-EC-0000000537 dated 27.11.2018
	Validity of Earlier EC	26.11.2028
8.	Certified Compliance Report (CCR) date	25.09.2025
9.	CTE details with date & validity	Format 1.0/BO/CAC-CELL/UAN no.0000011818/E/CAC-1702000503 dated 10.02.2017 valid till 09.02.2022
10.	CTO details with date & validity	Consent To Operate Vide letter no Format1.0/CAC/UAN No. MPCB CONSENT-0000170265/CR/2309000334 dated 05.09.2023 valid till 31.07.2026
11.	Total Project Cost (in ₹ Lakh)	₹ 5200 Lakh
12.	Total Manpower Requirement	Existing- 667 Nos.; Proposed- 44 Nos. Total- 711 Nos.
C. Consultant Details		
1.	Consultant Name	MITCON Consultancy and Engineering Services Ltd
2.	NABET Certificate No.	NABET/EIA/24-27/RA 0343 dated 09.08.2024 valid till 05.02.2027
3.	NABET Validity	05.02.2027
D. Project Information		
1.	Layout Details (As shown in sanctioned layout-All in Sq. mtrs)	
1.	Total Area	282300 Sqm. (as per earlier sanctioned plan dated 21.02.2000 for sugar unit) 95050 sq.m. (as per earlier sanctioned plan dated 16.10.2023 for distillery) 580000 Sq.m. (total area of Sugar complex including other plot which are not under sanctioned plan applied for EC application as all activity as interlinked)
2.	Total Built-up Area	19327.75 sq.m (as per sanctioned plan Sugar)
3.	Parking Area	87000 Sqm. (not specified in sanctioned plan)
4.	Proposed Green Belt Area (Sq.m & %)	20000 Sqm. (3.44%)
	Proposed No. of Trees	5000 Nos.
5.	Existing Green Belt Area (Sq.m & %)	1,39,720.0 sq.m. (as per TP plan 21.02.2000) Existing greenbelt 1,91,000 Sqm. (33%)
	Existing No. of Trees	28650 Nos.
6.	Open Space	134000 Sqm. (Open area is not specified in the sanctioned plan)

7.	Road Area	19870 sq.m. (as per old sanctioned plan Sugar) 35000 sq.m. (as per EC application)				
8.	Facilities/Utilities Area	580000 Sqm. (considered as total plot area applied under EC as integrated sugar complex)				
9.	Rainwater Harvesting details (Capacity details)	Average harvesting potential of 15.9 m ³ /day, for which 3 tanks of 5.50 m ³ capacity have been provided with adequate freeboard.				
II. Production Details						
1.	Name of the product	Sugarcane crushing				
2.	Existing Capacity	6000 TCD				
3.	Proposed Capacity	4000 TCD				
4.	Total Capacity	10000 TCD				
5.	Approving authority (Name):	SEIAA Government of Maharashtra,				
6.	Raw Material & Consumption	Raw Material	Existing Qty.	Proposed Qty.	Total Qty.	Unit
		Sugar Cane	6000	4000	10000	TCD
		Lime	9	6	15	TPD
		Sulphur	3.4	2	6	TPD
		Caustic Soda	200	100	300	Kg/d
		Hydrochloric acid	23.4	16	39.4	Kg/d
		Phosphoric acid	120	80	200	Kg/d
		Lubricants	75	50	125	(L/D)
7.	Consumption:	Raw Material	Existing Qty.	Proposed Qty.	Total Qty.	Unit
		Sugar Cane	6000	4000	10000	TCD
		Lime	9	6	15	TPD
		Sulphur	3.4	2	6	TPD
		Caustic Soda	200	100	300	Kg/d
		Hydrochloric acid	23.4	16	39.4	Kg/d
		Phosphoric acid	120	80	200	Kg/d
		Lubricants	75	50	125	(L/D)
8.	Hazardous chemicals/MSIHC applicability	Raw Material	Existing Qty.	Proposed Qty.	Total Qty.	Unit
		Hydrochloric acid	23.4	16	39.4	Kg/d

		Phosphoric acid	120	80	200	Kg/d
		Lubricants	75	50	125	(L/D)
9.	Storage space:	10472.5 Sqm				
III. Water quantity						
1.	Total Water Requirement	10609 CMD				
2.	Source	Kukadi Irrigation Division No 1 Pune				
3.	Water permission	Water Agreement no 14713 dated 19.01.2026				
4.	Water consumption	Fresh Water : 309 (CMD)				
5.	Water Requirement as per Annexure I	Given below.				
IV. Sewage & Effluent Details						
1.	Sewage generation Quantity	81.6 CMD				
2.	Effluent generation Quantity	1264 CMD				
3.	Effluent treatment Scheme (Brief information)	Total 1264 CMD of sugar effluent will be treated in 1350 CMD ETP. Excess Sugar Condensate of 1767CMD will be treated in 1800 CMD CPU. Domestic Sewage of 81.6 CMD will be treated in 90 CMD STP.				
4.	ZLD Effluent treatment (Brief information):	The plant is based on Zero liquid Discharge Technology. No effluent will be disposed on land without treatment. Treated water from the sugar unit will be reused in greenbelt development. Treated water from the Excess condensate shall be recycled/reused in sugar boiler, cleaning sugar & distillery CT.				
5.	ETP/STP technology	ETP based on Primary, Secondary & Tertiary Technology STP – MBBR Technology				
6.	Treated water reuse/disposal with Qty.	10,300 CMD of water generated from the sugar process will be utilized for cooling and cleaning purposes, while 1,226 CMD of treated water from the ETP will be used for gardening and dust suppression.				
7.	CETP (Name & membership details)	Not Applicable.				
8.	Online Continuous Monitoring System	Yes, Installed.				

V.	Solid Waste Management				
1.	Type of Waste	Dry			
2.	Quantity (TPD)	Solid Waste	Sugar		Treatment & Disposal
			Existi ng	Propose d	
		Press Mud (TPD)	240	400	Used as manure
		Bagasse Ash (TPD)	29.8	-	Used as manure
		ETP Sludge (TPD)	0.99	0.66	Used as manure
		CPU Sludge (TPD)	0.16	0.10	Used as manure
		STP Sludge (TPD)	0.0006	0.001	Used as manure
3.	Disposal method	Used as manure			
VI.	Hazardous Waste Generation				
1.	Source	Factory Machinery, DG set			
2.	Total Quantity	Hazardo us.waste Name	Existin g	Proposed	Treatment & Disposal
		Spent Oil (TPD)	0.006	0.011	Send to authorized recycler.
3.	Category as per HW Rules	5.1			
4.	Disposal method	Send to authorized recycler.			
5.	CHWTSDF membership	Not applicable.			
VII.	Fuel Consumption				
1.	Type of Fuel	Bagasse & High Speed Diesel			
2.	Fuel Qty.	Name		Quantity (TPD)	
		Bagasse		1492.32	
		High Speed Diesel		0.24	
3.	Ash (generation%)	Bagasse (2 %) - 29.8 TPD			
4.	SO2 (%)	Bagasse (0.04%) - 1.19 TPD			
5.	Emission Sources	Boiler			
6.	Stack Height	72 m stack height for 80 TPH boiler 60 m stack height for 2 nos. of 45 TPH boilers. 12 m stack height provided to DG set.			
7.	APCD provided	80 TPH*1- 72 m stack height with ESP as APCF 45 TPH*2- 60 m common stack height- with wet			

		scrubber as APCE
8.	Online Continuous Monitoring System	Yes , Installed.
9.	Source of Power:	Own Cogeneration plant of 29 MW
10.	Total Demand (KVA):	16250 KVA
11.	DG set (Capacity)	DG 500 kVA
12.	Renewable energy provision	Bagasse is used as energy source
13.	Energy conservation measures	Use of LED light, efficient lighting, energy policy and energy audit
E	Environmental Sensitivity	
1.	Nearest Habitat / Village with Distance & Direction	Pargaon Shingave @ 0.50 km towards NNW direction. Pargaon Tarfe Awasari BK. @ 1.16 Km towards WNW direction. Kathapur @1.96 Km towards NE direction.
2.	Distance from... i. River ii. Water Tank iii. Major Water Source	Ghod River @ 0.22 km towards N direction Meena River @ 0.44 km towards N direction
3.	Distance from Sanctuary /NP/ESZ	No any ESZ/ESA in the 10 km radius of the project site. However, some reserve forest patches are present in 10 km radius. Nearest reserve forest Patch @ 1.81 km towards NE direction (near Pimparkhed village). Reserve forest @ 3.16 km towards SE direction: (near Kathapur village). Reserve forest Patch @ 4.08 km towards NW direction. (near Nagapur village).
4.	Whether Project village lies within Western Ghats ESA (Draft Notification)	No
5.	Within CPA/SPA	No
6.	Flood plain/CRZ applicability	No
7.	Sensitive structures within 200m	Ghod river is at a distance of 213.90 meters & Meena river at a distance of 434.62 meters.
G	EMP Provisions	
	Construction phase	Capital (Lakh) Recurring (Lakh/A)
1.	Environmental monitoring	- 3

2.	During site preparation	3	0		
3.	Noise and solid waste management	2	1		
4.	Water and waste water	5	2		
5.	Occupational health	5	2		
6.	Greenbelt development	5	2		
	Total	20	10		
	Operation phase	Capital (Lakh)	Recurring (Lakh/A)		
1.	Public Hearing Compliances budget (₹)	Include in EMP Budget			
2.	Pollution Mitigation Budget Provisions (Air, Water, Solid waste) (₹)	477	146		
3.	Employees Health Checks Provision	50	5		
4.	Employees Insurance Provisions	-	-		
5.	Employees Skill Training for	8	-		
6.	CER	31			
7.	Green belt	30	10		
8.	Rain water Harvesting	8	2		
9.	Environmental Monitoring (Air, water, waste water, Soil, Solid waste, Noise)	15	2		
	Total	619	165		
	Total investment (₹)	639	175		
H	CER Provisions				
1.	Total CER Budget (₹ Lakh)	₹ 39,00,000 Lakh (0.75 % of total project cost)			
2.	Proposed Activity (School / Health Centre / Gram Panchayat etc.) with Budget	Sr. no	CER Activity	Total Amount in (Lakh)	Year
		1.	Water Supply	15,00,000	2027-2033
		2.	Provision of solar panel & LED lightening	8,00,000	
		3.	Training for local farmers to yield better crop productivity, new technology etc.	8,00,000	
		4.	Provision of infrastructure facilities such as auditorium halls, Laptops and filtered drinking water	8,00,000	

			facilities in schools and colleges		
			Total	39,00,000	
I.	Affidavits, Undertakings, Reports & Letters				
1.	Project consultant & EIA Coordinator (Undertaking – Attached? (Yes/No))	Yes			
2.	Affidavit on EC, EMP, CER Implementation, Western ghat, ESZ/ESA – Attached? (Yes/No)	Yes			
J.	Statutory Documents/Certificates				
1.	Layout approval from CA details	Town planning approval received for existing area			
2.	Proposed Expansion Layout Plan submission details	Available			
3.	Structural stability certificate	Available			
4.	Fire System NoC	Available			
5.	Water permission	Available			
6.	Hazardous waste authorization	Not available			
7.	PESO Storage License	Not applicable			
8.	Risk assessment report	Available			
9.	On-site emergency plan	Available			
10.	Disaster management plan	Available			
11.	Wildlife Conservation Plan	Available			

Water Requirement – Annexure I

Sr. No.	Particulars	Consumption			Loss			Effluent Generation		
		Existing	Prop.	Total	Existing	Prop.	Total	Existing	Prop.	Total
1	Industrial Process	698	-698	0	210	-210	0	536	501	1037
2	Industrial Cooling	28	10	38*	0	99	99	0	23	23
3	Boiler	20	155	175**	0	511	511	0	204	204
4	Domestic / Utilities	96	0	96	41	-26.6	14.4	55	26.6	81.6
5	Green Belt	0	0	0	0	0	0	0	0	0
	Total	842	-533	309	251	373.4	624.4	591	754.6	1345.6

EMP Budget Statement Table: Environment Management Plan – Budget Provisions

S. No	Construction phase (with Break-up)	Capital Cost (Amount in lakhs)	O & M
1	Environmental monitoring		3
2	During site preparation	3	0
3	Noise and solid waste management	2	1
4	Water and waste water	5	2
5	Occupational health	5	2
6	Greenbelt development	5	2
	Total (A)	20	10
Sr. No	Operation Phase (with Break-up)	Capital Cost (Amount in lakhs)	O & M
1	Air pollution	125	20
a	Boiler upgradation	40	20
b	ESP	40	
c	ID fan and other auxiliaries	20	
d	Online Continuous Emission Monitoring System (OCEMS)	25	
2	Water pollution		
	Water pollution- CPU (1 Nos), STP, (ETP upgradation)	350	125
3	Environmental Monitoring (Air, water, waste water, Soil, Solid waste, Noise)	15	2
4	Occupation health	50	5
5	Green belt	30	10
6	Solid waste	2	1
7	Rain water harvesting	8	2
8	CER cost	39	-
	Total (B)	619	165
	Total A+B	639	175

3. Proposal was considered by SEIAA in its 334th (Part B) meeting held on 29th April 2026 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:

SEAC Conditions-

1. PP to provide Continuous Environmental Monitoring System to the proposed stack emissions/effluent and connect the same to the CPCB and MPCB server.
2. PP to include online monitoring system CAAQMS in capital as well as recurring cost in the EMP & accordingly revise the EMP.
3. PP to provide appropriate Air Pollution Control (APC) system for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

4. PP to ensure that Spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit).
5. Treated effluent will be recycled/reused for make-up water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises.

Standard Conditions:

1. PP to use new and renewable energy for illumination of office building, Street lights, Parking areas and maintain the same regularly.
2. PP to provide separate energy meter for environmental facilities provided in the industry.
3. PP to ensure storage of concentrated spent wash is as per CPCB guidelines.
4. PP to ensure that all necessary precautions shall be taken to avoid accidents and action plan shall be prepared & implemented for avoiding accidents. PP shall implement on site/Off site emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of the Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time and the Chemical Accidents & Emergency Planning, Preparedness and Response) Rules, 1996 as amended time to time.
5. PP to ensure that Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable).
6. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. PP shall comply with all environmental protection measures and safeguards proposed in the documents submitted. All recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures relating to the project shall be implemented.
8. The budget proposed under EMP shall be kept in separate account and should be audited annually.
9. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo -location date & time) and other documents as applicable to the Regional Office of MoEF&CC every year for the activities carried out during previous year.
10. The occupational health Centre for surveillance of the workers' health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & Employees shall be provided with the required safety kits/ PPEs for personal protection.
11. PP to ensure adequate treatment for Domestic sewage generated within project site & ensure that treated water parameters meet the standards prescribed by MPCB & CPCB.
12. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.

SEIAA Conditions

1. PP has obtained plan approval from ADTP dated 21.02.2000 and as per the plan their net plot area for the proposal is 580000 m² and they have proposed green belt of 211000 m² i.e. 36.37 % of net plot area. ADTP to ensure the compliance of the same.
2. PP to strictly comply with the commitment made by them before the SEAC with respect to plantation of trees i.e., plantation of 28650 nos. of trees.
3. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, 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.
4. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
5. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
6. 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.
7. 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.
8. 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).
9. 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.
10. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
11. 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.
12. PP to provide roof top Rain Water Harvesting facility.
13. PP to ensure that Project is a ZLD for distillery unit.

General Conditions:

1. 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 & 1st 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 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.


Jayashree Bhoj (IAS)
(Member Secretary, SEIAA)

Copy to:

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



Signed by
Jayashree Shrikant Bhoj
Date: 12-05-2026 11:21:28
Reason: Verified and
signed

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and 4th
floor, Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E),
Mumbai-400022

No:- Format1.0/CAC/UAN No.MPCB-
CONSENT-0000170265/CR/2309000334

Date: 05/09/2023

To,
M/s. Bhimashankar Sahakari Sakhar Karkhana Ltd.
Gat No 148,A/P - Pargaon Via Awasari Bk, Tal. -
Ambegaon, District - Pune.



Sub: Renewal of Consent for 6000 TCD Sugar unit and 29 MW Co-generation unit.

- Ref:**
1. Renewal of consent granted by the Board vide no. Format1.0/CAC/UAN No.MPCB-CONSENT-0000147227/CO-2211002122 dtd. 25.11.2022 valid up to 31.07.2023
 2. Amendment issued vide No. - CAC/221214FTS0005 DTD. 14.12.2022
 3. Minutes of CAC Meeting dtd.03.08.2023.

Your application No.MPCB-CONSENT-0000170265 Dated 08.05.2023

For: grant of Consent to Renewal under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The Consent to Renewal is granted upto: 31.07.2026**
2. **The capital investment of the industry is Rs.318.3206 (Existing - Rs. 323.1601 Crs) Crs. (As per C.A Certificate submitted by industry).**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
1	Sugar	21600	MT/M
2	Bagasse	46800	MT/M
3	Pressmud	7200	MT/M
4	Molasses	7200	MT/M
5	Co-generation Power	29	MW

3. **The cane crushing capacity shall not exceed to 6000 TCD**

4. **Conditions under Water (P&CP) Act, 1974 for discharge of effluent:**

Sr No	Description	Permitted in CMD	Standards to	Disposal
1.	Trade effluent	817	As per Schedule -I	100 CMD is recycled and 717 CMD on land for irrigation
2.	Domestic effluent	55	As per Schedule - I	On land for gardening

5. **Conditions under the Air (P & CP) Act, 1981 for air emissions:**

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	Boiler (45 X 2 no.)	1	As per Schedule -II
2	Boiler (80 TPH)	1	As per Schedule -II

6. **Conditions about Non Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Boiler ash	52.2	MT/Day	NA	Sale to Brick manufactures
2	ETP sludge	1	MT/Day	NA	Sludge dried and used as fertilizer or used in green belt development in factory premises

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2008 for treatment and disposal of hazardous waste:**

Sr No	Type of Waste	HW Category	Quantity & UoM	Treatment	Disposal
1	5.1 Used or spent oil	5.1	0.50 KL/A	Recycle	Sale to authorized recycler

The applicant shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.

a. The applicant shall properly collect, transport & regularly dispose of the hazardous waste to CHWTSDF, in compliance of the Hazardous & Other Wastes (Management & Transboundry Movement) Rules, 2016 and keep proper manifest thereof.

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. The applicant shall comply with the conditions of the Environmental Clearance granted by vide letter . EC22B004MH12609 file No. SIA/MH/ THE/70064/2011 dtd. 21.04.2022
11. Industry shall connect online CMS data as per CPCB guidelines to CPCB & MPCB Servers.
12. This consent is issued as per the Consent Appraisal Committee meeting dated 03.08.2023.
13. PP shall submit an improvement plan regarding O & M of ETP within one month period to achieve consented standards.

14. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.



Anna

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Signed by: Dr. Avinash Dhakne
Member Secretary
For and on behalf of
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2023-09-05 19:57:27 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	1909924.00	TXN2305000883	08/05/2023	Online Payment

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune II
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC Desk for record & website updation purposes.

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have provided Effluent treatment Plant (ETP) of Designed capacity of 1350 CMD consisting of primary , secondary & tertiary system.

- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	5.5-9.0
(2)	Oil & Grease	10
(3)	BOD (3 days 27 ^o C)	100
(4)	Sulphate	1000
(5)	Suspended Solids	100
(6)	COD	250
(7)	Chloride	600
(8)	Total Dissolved Solids	2100

- C] The treated effluent 600.00 CMD shall be disposed on land for irrigation on 49.42 hectares of own land /as per the bilateral agreement with farmers. In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly.

- D] Industry shall operate Online Continuous Emission Monitoring System (OCEMS) and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's server directly through the data logger without any intermediate server.

- E] Trade effluent of 100.00 CMD generated from Co-gen shall be 100% recycle in process.

F] CREP conditions for Sugar Factory

- Operation of ETP shall be started at least one month before starting of cane crushing to achieve desired MLSS. So as to meet prescribed standards from day one the operation of mill.
- Waste water generation shall be reduced to 100 liters per tone of cane crushed.
- Industry shall achieve zero discharge into in land surface water bodies.
- 15 days' storage capacity tank shall be provided for treated effluent to take care during no demand for irrigation.

- G] Industry to make necessary arrangement to cover the effluent collection system and to avoid the ingress of Bagasse and other material.

H] The unit shall operate ETP even after completion of the crushing season so that any effluent generated during washing & maintenance activity is to be discharged after proper treatment.

I] The unit shall optimize water use in industrial process & maintain records.

- 2) A] As per your application, you have provided septic tank and soak pit for the treatment of 55 CMD sewage.
- B] The applicant shall operate sewage treatment system to treat sewage so as to achieve the following standards/ prescribed under EP Act 1986 and rules made under time to time, whichever is stringent.

1	Suspended Solids	Not to exceed	100 mg/l
2	BOD 3 days (27°C)	Not to exceed	100 mg/l

C] The treated sewage shall be 100% reused/recycled for gardening purpose within premise. In no any case, sewage shall find its way outside Company's premises.

- 3) The industry shall have bilateral agreement with the farmers on whose land the treated effluent is used for irrigation purposes and a copy of the agreements with validity shall be submitted to the Regional/Sub- Regional Office of the Board.
- 4) The industry shall create Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
- 5) CONDITIONS FOR MOLASSES STORAGE:
- (i) The molasses shall be properly collected and stored in steel tanks which shall be leak proof. At no stage of handling of molasses, there shall be leakage or spillage.
- (ii) The capacity of tanks for storage of molasses shall be such that it will take care of bumper production of sugar, non-lifting of molasses etc.
- (iii) All the area on which molasses are stored and handled should be provided with drain for diverting the spills to the treatment plant/ molasses tank. Suitable arrangements for accidental discharges of molasses from the tanks shall be provided to contain the same within factory premises.
- (iv) Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorized officer of the Board. Intimation of intention to destroy or dispose of the molasses shall be given to the Board at least 15 (fifteen) days in advance by registered post under intimation to the Sub-Regional officer and Regional officer of the Board under whose jurisdiction the factory is situated.
- (v) The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The tanks size and capacity per cm, height, total capacity in tonnes shall be displayed prominently near /on the tank.
- (vi) The above conditions shall be in addition to and not in derogation of the provisions contained in the "Bombay Molasses Rules, 1955" and "Maharashtra Molasses Storage and Supply Regulation, 1965".
- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines if applicable.

- 7) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 8) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 9) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters, and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	48.00
2.	Domestic purpose	96.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	1694.00
5.	Grandening	0

- 10) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

- 1) As per your application, you have provided the Air pollution control (APC) system and erected following stack(s) and observe the following fuel pattern-

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
1	Boiler (45 TPH X 2)	Wet Scrubber	60	Bagasse	980 MT/Day	0.20	3920.00
2	Boiler (80 TPH)	ESP	72	Bagasse	780 MT/Day	0.20	3120.00

- 2) **The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.**

- 1 The Applicant shall provide ESP/ Bag filter/ Wet scrubber to the Bagasse fired boiler and Dust Collector to Sugar bagging section as an Air Pollution control equipments OR as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.
- 2 The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Total Particulate matter	Not to exceed	150 mg/Nm ³
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- 3 The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
 - 4 The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
 - 5 Industry should not use auxiliary fuel more than 15 % (as per amendment in EIA Notification 2009, power plant upto 15 MW based on Bio-mass and using auxiliary fuel as coal upto 15% are exempt.) as co-gen capacity is below 15 MW.
- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.**
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).**

SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt. of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	25 Lakh	15 Days/ Extend	towards O & M of pollution control systems and compliance of consent conditions.	31.07.2026	28.02.2027

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG Imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

SCHEDULE-IV

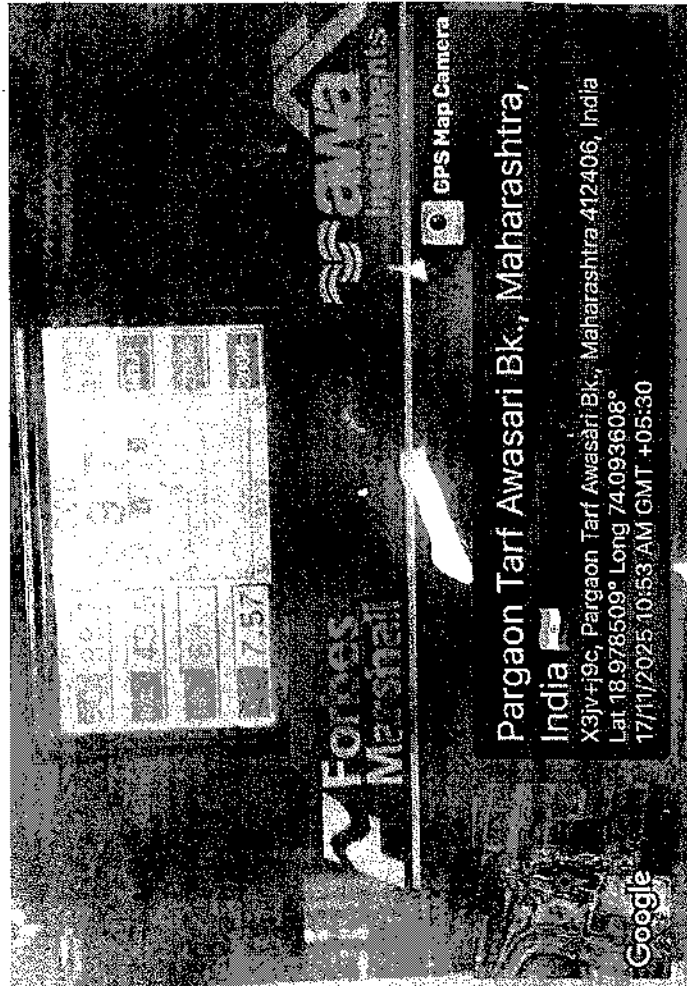
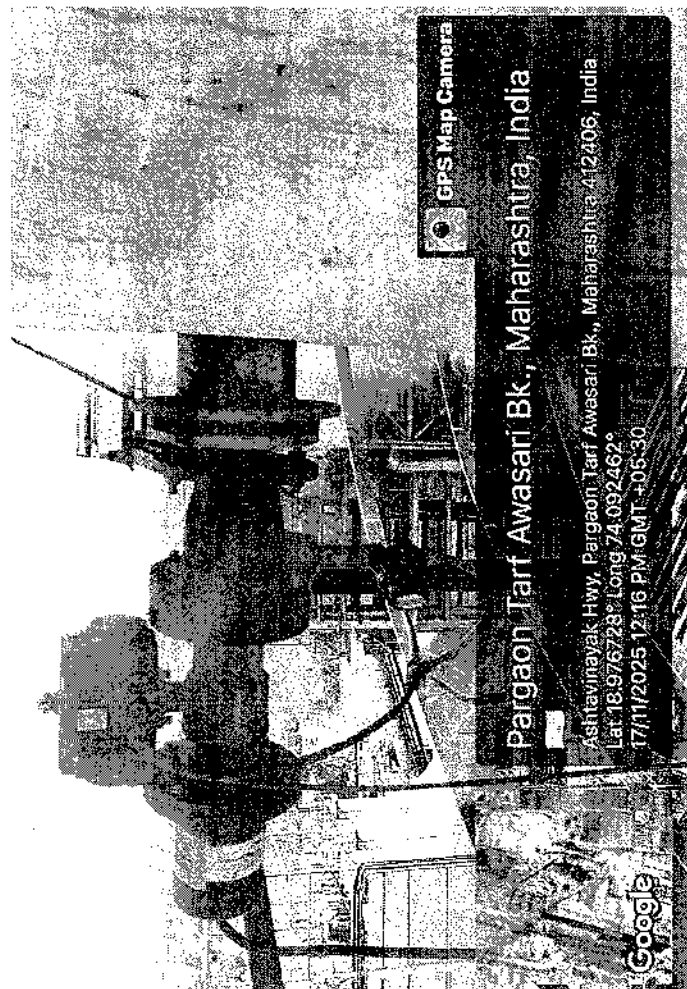
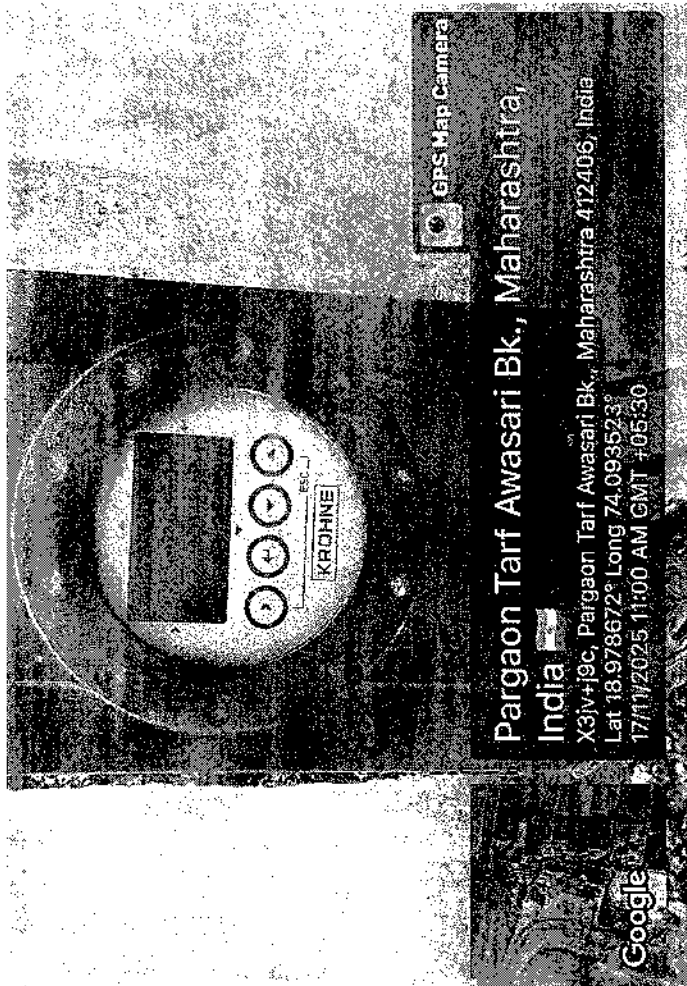
General Conditions:

- 1 The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

- 3 Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipment, the production process connected to it shall be stopped.
- 4 The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 5 The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 6 The industry should comply with the Hazardous & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 7 An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 8 The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 9 The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 10 The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 11 The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 12 Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 13 The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the H&OW(M&TM) Rules 2016, which can be recycled/processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/ reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 14 Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 15 Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.

- 16 Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
17. Conditions for D.G. Set
- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 18 The industry should not cause any nuisance in surrounding area.
- 19 The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 20 The applicant shall maintain good housekeeping.
- 21 The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 22 The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipment provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 23 The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 24 The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

This certificate is digitally & electronically signed.



From Date 01-11-2025 00:00
 To Date 30-11-2025 23:59
 Interval Daily
 Function Average

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

05-11-2025 00:00	42.39 < M
06-11-2025 00:00	43.98 < M
07-11-2025 00:00	43.94 < M
08-11-2025 00:00	43.64 < M
09-11-2025 00:00	43.65 < M
10-11-2025 00:00	44.23 < M
11-11-2025 00:00	43.49 < M
12-11-2025 00:00	43.86 < M
13-11-2025 00:00	44.07 < M
14-11-2025 00:00	44.26 < M
15-11-2025 00:00	43.82 < M
16-11-2025 00:00	44.07 < M
17-11-2025 00:00	44.25 < M
18-11-2025 00:00	43.91 < M
19-11-2025 00:00	44.18 < M
20-11-2025 00:00	44.26 < M
21-11-2025 00:00	43.68 < M
22-11-2025 00:00	44.45 < M
23-11-2025 00:00	44.37 < M
24-11-2025 00:00	43.94 < M
25-11-2025 00:00	44.42 < M
29-11-2025 00:00	44.52 < M
30-11-2025 00:00	44.26 < M

Average	44
Geom.Mean	44
Maximum	44.5
Median	44.1
Minimum	42.4
Mode	44.1
Std.Deviation	0.4
Total Active Duration	

From Date 01-11-2025 00:00
 To Date 30-11-2025 23:59
 Interval Daily
 Function Average

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

05-11-2025 00:00	2 < M
06-11-2025 00:00	2 < M
07-11-2025 00:00	2 < M
08-11-2025 00:00	2 < M
09-11-2025 00:00	2 < M
10-11-2025 00:00	2 < M
11-11-2025 00:00	2 < M
12-11-2025 00:00	2 < M
13-11-2025 00:00	2 < M
14-11-2025 00:00	2 < M
15-11-2025 00:00	2 < M
16-11-2025 00:00	2 < M
17-11-2025 00:00	2 < M
18-11-2025 00:00	2 < M
19-11-2025 00:00	2 < M
20-11-2025 00:00	2 < M
21-11-2025 00:00	2 < M
22-11-2025 00:00	2 < M
23-11-2025 00:00	2 < M
24-11-2025 00:00	2 < M
25-11-2025 00:00	2 < M
29-11-2025 00:00	2 < M
30-11-2025 00:00	2 < M
Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	0
Total Active Duration	

From Date 01-12-2025 00:00
 To Date 31-12-2025 23:59
 Interval Daily
 Function Average

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

01-12-2025 00:00	44.15 < M
02-12-2025 00:00	44.96 < M
03-12-2025 00:00	44.39 < M
08-12-2025 00:00	44.44 < M
09-12-2025 00:00	44.1 < M
11-12-2025 00:00	43.77 < M
12-12-2025 00:00	44.2 < M
13-12-2025 00:00	44.09 < M
14-12-2025 00:00	43.79 < M
15-12-2025 00:00	43.89 < M
16-12-2025 00:00	43.35 < M
17-12-2025 00:00	43.55 < M
18-12-2025 00:00	43.11 < M
19-12-2025 00:00	43.97 < M
20-12-2025 00:00	44.29 M
21-12-2025 00:00	43.95 M
22-12-2025 00:00	44.24 M
23-12-2025 00:00	44.72 M
24-12-2025 00:00	44.08 < M
25-12-2025 00:00	43.37 < M
31-12-2025 00:00	44.52 < M

Average	44
Geom.Mean	44
Maximum	45
Median	44.1
Minimum	43.1
Mode	45
Std.Deviation	0.5
Total Active Duration	

From Date 01-12-2025 00:00

To Date 31-12-2025 23:59

Interval Daily

Function Average

Plant BSSK

Analyzer STACK2

Parameter PM

Unit mg/Nm3

Limit 0.00 - 150.00

01-12-2025 00:00 2 < M

02-12-2025 00:00 2 < M

03-12-2025 00:00 2 < M

08-12-2025 00:00 2 < M

09-12-2025 00:00 2 < M

11-12-2025 00:00 2 < M

12-12-2025 00:00 2 < M

13-12-2025 00:00 2 < M

14-12-2025 00:00 2 < M

15-12-2025 00:00 2 < M

16-12-2025 00:00 2 < M

17-12-2025 00:00 2 < M

18-12-2025 00:00 2 < M

19-12-2025 00:00 2 < M

20-12-2025 00:00 2 M

21-12-2025 00:00 2 M

22-12-2025 00:00 2 M

23-12-2025 00:00 2 M

24-12-2025 00:00 2 < M

25-12-2025 00:00 2 < M

31-12-2025 00:00 2 < M

Average 2

Geom. Mean 2

Maximum 2

Median 2

Minimum 2

Mode 2

Std.Deviation 0

Total Active Duration

From Date 01-01-2026 00:00
 To Date 31-01-2026 23:59
 Interval Daily
 Function Average

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

01-01-2026 00:00	44.41 < M
02-01-2026 00:00	44.15 < M
03-01-2026 00:00	44.56 M
04-01-2026 00:00	44.37 < M
05-01-2026 00:00	45.08 M
06-01-2026 00:00	44.59 M
07-01-2026 00:00	44.38 < M
08-01-2026 00:00	44.31 < M
09-01-2026 00:00	44.37 < M
10-01-2026 00:00	44.81 < M
11-01-2026 00:00	44.65 < M
12-01-2026 00:00	44.34 < M
13-01-2026 00:00	44.35 < M
14-01-2026 00:00	44.67 < M
15-01-2026 00:00	43.94 < M
16-01-2026 00:00	44.18 < M
17-01-2026 00:00	44.84 < M
18-01-2026 00:00	44.87 < M
19-01-2026 00:00	44.78 < M
20-01-2026 00:00	40.73 < M
21-01-2026 00:00	43.81 < M
22-01-2026 00:00	42.5 < M
23-01-2026 00:00	43.8 < M
24-01-2026 00:00	42.13 < M
26-01-2026 00:00	43.62 < M
27-01-2026 00:00	44.36 < M
28-01-2026 00:00	45.14 < M
30-01-2026 00:00	43.85 < M
31-01-2026 00:00	43.76 < M

Average	44.1
Geom.Mean	44.1
Maximum	45.1
Median	44.4
Minimum	40.7
Mode	40.7
Std.Deviation	0.9
Total Active Duration	

From Date 01-01-2026 00:00
 To Date 31-01-2026 23:59
 Interval Daily
 Function Average

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

01-01-2026 00:00	2 < M
02-01-2026 00:00	2 < M
03-01-2026 00:00	2 M
04-01-2026 00:00	2 < M
05-01-2026 00:00	2 M
06-01-2026 00:00	2 M
07-01-2026 00:00	2 < M
08-01-2026 00:00	2 < M
09-01-2026 00:00	2 < M
10-01-2026 00:00	2 < M
11-01-2026 00:00	2 < M
12-01-2026 00:00	2 < M
13-01-2026 00:00	2 < M
14-01-2026 00:00	2 < M
15-01-2026 00:00	2 < M
16-01-2026 00:00	2 < M
17-01-2026 00:00	2 < M
18-01-2026 00:00	2 < M
19-01-2026 00:00	2 < M
20-01-2026 00:00	2 < M
21-01-2026 00:00	2 < M
22-01-2026 00:00	2 < M
23-01-2026 00:00	2 < M
24-01-2026 00:00	2 < M
26-01-2026 00:00	2 < M
27-01-2026 00:00	2 < M
28-01-2026 00:00	2 < M
30-01-2026 00:00	2 < M
31-01-2026 00:00	2 < M

Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	0
Total Active Duration	

From Date 01-02-2026 00:00
 To Date 28-02-2026 23:59
 Interval Daily
 Function Average

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

02-02-2026 00:00	44.24 < M
03-02-2026 00:00	43.42 < M
04-02-2026 00:00	44.38 < M
05-02-2026 00:00	43.54 < M
06-02-2026 00:00	43.86 < M
07-02-2026 00:00	44.16 < M
08-02-2026 00:00	43.82 < M
09-02-2026 00:00	43.14 < M
10-02-2026 00:00	43.74 < M
11-02-2026 00:00	43.86 < M
12-02-2026 00:00	44.33 < M

Average	43.9
Geom.Mean	43.9
Maximum	44.4
Median	43.9
Minimum	43.1
Mode	43.7
Std.Deviation	0.4
Total Active Duration	

AmproConnect Forbes Marshall Multi Station Report

From Date 01-02-2026 00:00
To Date 28-02-2026 23:59
Interval Daily
Function Average

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

02-02-2026 00:00	2 < M
03-02-2026 00:00	2 < M
04-02-2026 00:00	2 < M
05-02-2026 00:00	2 < M
06-02-2026 00:00	2 < M
07-02-2026 00:00	2 < M
08-02-2026 00:00	2 < M
09-02-2026 00:00	2 < M
10-02-2026 00:00	2 < M
11-02-2026 00:00	2 < M
12-02-2026 00:00	2 < M

Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	0
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-11-2025 00:00

To Date 30-11-2025 23:59

Interval Daily

Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
05-11-2025 00:00	49.06 <	101.72 <	7.74 < L	18.3 <
06-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
07-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
08-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
09-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
10-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
11-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
12-11-2025 00:00	49.11	101.82	7.75	18.32
13-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
14-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
15-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
16-11-2025 00:00	49.11 <	101.82 <	7.75 <	18.32 <
17-11-2025 00:00	44.03 <	89.24 <	7.66 <	47.11 <
18-11-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
19-11-2025 00:00	38.49	75.52	7.57	78.52
20-11-2025 00:00	38.49	75.52	7.57	78.52
21-11-2025 00:00	38.49	75.52	7.57	78.52
22-11-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
23-11-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
24-11-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
25-11-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
29-11-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
30-11-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
Average	44.3	89.8	7.7	45.7
Geom.Mean	44	88.9	7.7	35.9
Maximum	49.1	101.8	7.8	78.5
Median	49.1	101.7	7.7	18.3
Minimum	38.5	75.5	7.6	18.3
Mode	49.1	101.8	7.8	18.3
Std.Deviation	5.3	13.1	0.1	30
Total Active Duration				

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-12-2025 00:00
 To Date 31-12-2025 23:59
 Interval Daily
 Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01-12-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
02-12-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
03-12-2025 00:00	38.49 <	75.52 <	7.57 <	78.52 <
08-12-2025 00:00	59.55 <	118.9 <	8.43 <	17.97 <
09-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
11-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
12-12-2025 00:00	62.92	125.84	8.56	8.5
13-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
14-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
15-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
16-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
17-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
18-12-2025 00:00	62.92	125.84	8.56	8.5
19-12-2025 00:00	62.92	125.84	8.56	8.5
20-12-2025 00:00	62.92	125.84	8.56	8.5
21-12-2025 00:00	62.92	125.84	8.56	8.5
22-12-2025 00:00	62.92	125.84	8.56	8.5
23-12-2025 00:00	62.92	125.84	8.56	8.5
24-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
25-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
31-12-2025 00:00	62.92 <	125.84 <	8.56 <	8.5 <
Average	59.3	118.3	8.4	19
Geom.Mean	58.5	116.7	8.4	12.1
Maximum	62.9	125.8	8.6	78.5
Median	62.9	125.8	8.6	8.5
Minimum	38.5	75.5	7.6	8.5
Mode	62.9	125.8	8.6	8.5
Std.Deviation	8.7	18	0.4	25
Total Active Duration				

From Date 01-01-2026 00:00
 To Date 31-01-2026 23:59
 Interval Daily
 Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
01-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
02-01-2026 00:00	62.92	125.84	8.56	8.5
03-01-2026 00:00	62.92	125.84	8.56	8.5
04-01-2026 00:00	62.92	125.84	8.56	8.5
05-01-2026 00:00	62.92	125.84	8.56	8.5
06-01-2026 00:00	62.92	125.84	8.56	8.5
07-01-2026 00:00	62.92	125.84	8.56	8.5
08-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
09-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
10-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
11-01-2026 00:00	62.92	125.84	8.56	8.5
12-01-2026 00:00	62.92	125.84	8.56	8.5
13-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
14-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
15-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
16-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
17-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
18-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
19-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
20-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
21-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
22-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
23-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
24-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
26-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
27-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
28-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
30-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
31-01-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
Average	62.9	125.8	8.6	8.5
Geom. Mean	62.9	125.8	8.6	8.5
Maximum	62.9	125.8	8.6	8.5
Median	62.9	125.8	8.6	8.5
Minimum	62.9	125.8	8.6	8.5
Mode	62.9	125.8	8.6	8.5
Std. Deviation	0	0	0	0
Total Active Duration				

From Date 01-02-2026 00:00

To Date 28-02-2026 23:59

Interval Daily

Function Average

Plant	BSSK	BSSK	BSSK	BSSK
Analyzer	ETP1	ETP1	ETP1	ETP1
Parameter	BOD	COD	pH	TSS
Unit	mg/l	mg/l	pH	mg/l
Limit	0.00 - 100.00	0.00 - 250.00	5.50 - 9.00	0.00 - 100.00
02-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
03-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
04-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
05-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
06-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
07-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
08-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
09-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
10-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
11-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
12-02-2026 00:00	62.92 <	125.84 <	8.56 <	8.5 <
Average	62.9	125.8	8.6	8.5
Geom.Mean	62.9	125.8	8.6	8.5
Maximum	62.9	125.8	8.6	8.5
Median	62.9	125.8	8.6	8.5
Minimum	62.9	125.8	8.6	8.5
Mode	62.9	125.8	8.6	8.5
Std.Deviation	0	0	0	0
Total Active Duration				

Proposed Expansion of Existing Sugar plant from 6000 TCD to 10000 TCD

By M/s. Bhimashankar Sahakari Sakhar Karkhana Limited at
Dattatrayanagar, A/p Pargaon Via Awasari Bk. Tal-Ambegaon,
Distr- Pune.

EMP Budget Statement Table: Environment Management Plan – Budget Provisions

S. No	Construction phase (with Break-up)	Capital Cost (Amount in lakhs)	O & M
1	Environmental monitoring		3
2	During site preparation	3	0
3	Noise and solid waste management	2	1
4	Water and waste water	5	2
5	Occupational health	5	2
6	Greenbelt development	5	2
	Total (A)	20	10
Sr. No	Operation Phase (with Break-up)	Capital Cost (Amount in lakhs)	O & M
1	Air pollution	125	20
a	Boiler upgradation	40	20
b	ESP	40	
c	ID fan and other auxiliaries	20	
d	Online Continuous Emission Monitoring System (OCEMS)	25	
2	Water pollution		
	Water pollution- CPU (1 Nos), STP, (ETP upgradation)	350	125
3	Environmental Monitoring (Air, water, waste water, Soil, Solid waste, Noise)	15	2
4	Occupation health	50	5
5	Green belt	30	10
6	Solid waste	2	1
7	Rain water harvesting	8	2
8	CER cost	39	-
	Total (B)	619	165
	Total A+B	639	175

14) ELECTROSTATIC PRECIPITATOR (ESP)

The ESP should be designed on the following basic parameters :

- Gas Flow Rate : Corresponding to MCR of boiler
- Temperature of gasses at ESP inlet : 150°C
- Inlet Dust concentration : about 5.0 g / N cu.m
- Outlet Emission (concentration) at ESP exit: shall be less than 100mg/Nm^3
- Pressure Drop across ESP for above condition: shall be less than 25mmWc to gas side

The electrostatic precipitator of suitable capacity shall be designed so that the dust emission at the outlet of the chimney should be limited to 100 mg / NM^3 or as prescribed by State Pollution Control Board. The ESP shall be installed on the suction side of ID fan and shall be complete with rotary air lock valve with drive provided with local and remote push button control and a side manual gate. The minimum elevation of the discharge flange of the rotary air lock valve shall be at + 2500 mm, suitable platform, MS steel staging, ladders, staircases, railing, inspection and packing holes shall be included in the scope of supply. The ESP should be properly insulated with aluminum cladding ESP be provided with indication for ash level, low and high temperature alarm, water washing arrangement ESP Switchgear Control Panels, rectifier control panels complete in all respects. The general arrangement showing major dimension and clearances for ESP system, ESP foundation drawing for load data, electric single line diagram along with detailed drawings should be furnished for approval from the Purchaser. Necessary instruction / maintenance manual and training to be provided.

globe & check valves (low pressure)
s 600 and below

ar boxes

ulation supply & insulation)

P. Dosing system

Mechanical seal

Spring hangers

Steam traps

Strainers

Travelling grate

Valve actuators (electrically operated)

Electronic bar graph indicators

Pressure, temperature & D. P transmitter

Steam and water analysis system

Temperature gauges

Vibration monitoring

Soot blowers
ESP

Vasantdada Sugar Institute, Pune

BHEL/GEA/L&T/Bharat heavy plates and
vessels Ltd./Western India enterprises

ABB/BHEL/Thermax/ACC

Audco/BDK/BHEL/KSB/Steel
strog/Valvetech

Elecon/Fmg/WIL/Greaves cotton

Insulation India/Lloyds/Minwool rock
fibre/raja insulation

Asia Imi/Enpro/PSI engg/ fluid control/
positive metering

Burgmann/Durametallic/Jhone
crane/Sealol

BHEL/L&T/Pipe supports India (p) ltd
(MYRICKS)/Sarathi

Spirex marshall/Uniklinger/Pennant

Bhatia/Filtron engg./Strainwell/Sungov

Detroit/Fosterwheeler/IJT/TBW/Zurn/Riley

AUMA/Antrieb/Rotark/Limtorque

Massibus/Yokogawa

ABB/Rosemount/Tata
well/Yokogawa blue star ltd

ABB/Rosemount/Yokogawa
star/Forbe. marshall

An instruments/General instruments/Pyro
electric/Waree

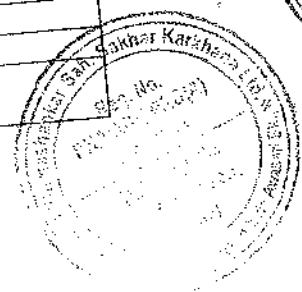
Entek ird/Scenk avery/spm instruments

Sitson / RR techno / High - Techno
BHEL/Batilboi/ Alstom/ Tharmax



Description	Unit	100 % MCR Bagasse
Flue Gas Draught at	MMWC	
a. Furnace Outlet		-5
b. Superheater Inlet		-5
c. Superheater Outlet		-10
d. Bank Inlet		-10
e. Bank Outlet		-15
f. Economiser Inlet		-20
g. Economiser Outlet		-55
h. Low efficiency grit separator inlet		-60
i. Low efficiency grit separator outlet		-85
j. Airheater Inlet		-95
k. Airheater Outlet		-135
l. ESP Inlet		-150
m. ESP Outlet		-175
n. ID fan inlet		-190
33 Flue Gas Velocities	M/Sec.	
a. Combustion Chamber		4.8
b. Superheater Zone		6 max
c. Bank Tube		8.0 max
d. Economiser		8 - 10
e. Air Preheater		10 - 14
Data Sheet 1.3.1 No.		

Sheet No.:



63

10/11

21) HP AND LP DOSING

Tri-sodium based HP dosing system, hydrazine and ammonia based LP system shall be provided. HP system shall add chemical to boiler water while LP dosing is done to feed water preferably at deaerator outlet water. HP dosing pump shall be simplex reciprocating plunger type stroke adjustable while pump is in operation for 0 to 100 % capacity, while LP dosing pump shall be of diaphragm type. Wetted parts of pumps shall be of SS construction Each system to include SS mixing tank with motor driven stirrer and with dished bottom ends with flat top covers. Inspection doors with swivel bolts and wing nuts shall be provided for top cover. Volumetric capacity of both the tanks shall be suitable for 24 hours based on 1 % concentration of tri-sodium phosphate for HP dosing and 0.1 % for LP dosing. Each mixing tank shall have rubber linings from inside and shall be fitted with motorised stirrer. The capacity of each tank shall be of minimum 500 litres.

22) R C C CHIMNEY

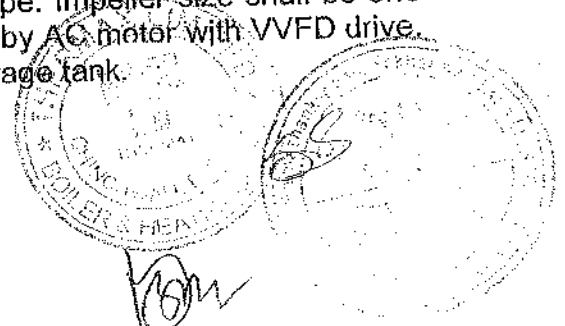
One RCC Chimney of approx 3.5 m. inside dia. at the top and about 70 m. in height with ladder and guards will be constructed by purchaser, however refractory lining up to 20 m. height of suitable thickness shall be provided by seller, lightening arrestor, m. s. frames and fittings for flue gas inlet to chimney etc. shall be in the seller's scope of supply. The seller shall give chimney design calculations.

23) BOILER FEED WATER PUMPS

Three nos (2W+1S) each of 50 cub. m. /hr capacity at about 1050 m. head running at 2900 RPM shall be provided. In normal working two numbers of 50 cub. m. /hr. shall be in operation and one no. as standby. Each multistage electrical driven pump shall be suitable for pumping hot water at 105 to 120 Deg. C. from deaerator to boiler of 87 Kg /sq. Cm. pressure. Pumps shall be provided with mechanical seals and mechanical seals shall be with spare conversion kit. Each pump shall have an automatic recirculation (ARC) valve of Schroevedhal / Hora make and shall be sized for higher of maximum flow thermal and minimum flow stable value such that in any case maximum temperature rise of feed water is limited to 8 Deg. C.

Material of construction of pumps shall be as under;

Casing-SA216Gr. WCB, discharge casing—CA6NM, impeller—CA6NM, shaft—AISI 410, casing wearing ring —CA6NM, Pressure switch shall be provided in individual discharge piping of pump up stream of automatic re-circulating valve. Removable conical type suction strainers of SS304 material shall be provided for each pump with free flow area equal to four times flow area of pipe. Impeller size shall be one size lower than maximum. Each pump shall be driven by AC motor with VVFD drive. Re-circulated water shall lead to de-aerated water storage tank.



A - DESIGN DATA

SR.NO.	DESIGN PARAMETER	BAGASSE 100% MCR (HP HEATER IN)	BAGASSE 100% MCR (HP HEATER OUT)
1	DESIGN GAS FLOW RATE IN M ³ /HR	241560	231480
2	TEMPERATURE DEG.C (OPERATING)	150	150
3	CASING MECHANICAL DESIGN TEMPERATURE DEG.C	200	200
4	DUST TYPE	FLY ASH	FLY ASH
5	MAXIMUM INLET DUST LOADING (GM / M ³)	5	5
6	OUTLET EMISSION FOR ESP (MGM / M ³) ALL FIELD WORKING	100	100
7	OUTLET EMISSION (MGM/M ³) - FIRST FIELD OUT OF SERVICE	-	-
8	MOISTURE IN GAS (% V / V)	25.74	26.52
9	UNBURNT CARBON IN FLY ASH (%)	45-55	45-55
10	COLLECTION AREA M ²	2054.64	2054.6
11	SPECIFIC COLLECTION AREA M ² / M ³ / SEC.	30.62	31.95
12	NO OF GAS PASSAGES	19	19
13	EFFECTIVE C E WIDTH (METER)	3.696	3.696
14	EFFECTIVE C E HEIGHT (METER)	7.315	7.315
15	VELOCITY THROUGH ESP M/SEC.	1.19	1.14
16	TREATMENT TIME (SEC.)	6.2	6.5
17	NO OF FIELDS IN SERIES	2 MECH & 2 ELECT	2 MECH & 2 ELECT
18	MIGRATION VELOCITY (CM/SEC.)	12.77	12.24
19	DESIGN PRESSURE (mmWG)	± 250	± 250
20	DUST DENSITY FOR POWER (KG/M ³)	600	600
21	DUST DENSITY FOR DISCHARGE (KG/M ³)	250	250
22	FLG TO FLG PRESSURE DROP (mmWC)	25	25
23	EFFICIENCY (%)	98	98
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

B - ASH COLLECTION RATE IN EACH FIELD (KG/HR)

SR NO.	FUEL	BAGASSE 100% MCR (HP HEATER	BAGASSE 100% MCR (HP HEATER OUT)
1	FIELD-1	669 (0)	641 (0)
2	FIELD-2	95 (764)	91 (732)
3	FIELD-3	-	-
4	FIELD-4	-	-
5	FIELD-5	-	-
6	FIELD-6	-	-
7	TOTAL DUST COLLECTED IN ESP (KG/HR)	764 (764)	732 (732)

VALUES IN PARENTHESIS ARE FOR FIRST FIELD OUT OF SERVICE.

ROTARY AIR LOCK VALVE CAPACITY IN M³/HR. AT 50 % FILLING EFFICIENCY.

APPLICABLE

10

MINIMUM WIDTH OF ASH HANDLING SYSTEM SHALL BE GREATER THAN 350 mm.

C - PRODUCT DATA		
C - 1	CASING THK. mm.	4
C - 2	HOPPER WALL THK. mm.	4
C - 3	INLET & OUTLET NOZZLE THK. mm.	
C - 4	PENTHOUSE SIDE WALL THK. mm.	3
C - 5	PENTHOUSE TOP SHEET CHQ. PLT. THK. mm.	4
C - 6	PERFORATED SHEET FOR NOZZLE THK. Min	2.5
C - 7	INSULATION THK. mm	50
C - 8	INSULATION DENSITY Kg/M3	100
C - 9	CLADDING TYPE / THK. (SWG)	PLAL / 24
C - 10	HOPPER VOLUME M3 (100% FULL)	79
C - 11	INSULATION AREA M ² (APPROX)	875

D - TR SET DETAILS		
D - 1	T.R. CONTROLL TYPE	MICROPROCESSOR CONTROLLED
D - 2	T.R. SET RATING DETAILS -	
	a) OUTPUT VOLTAGE	120 KV DC
	b) OUTPUT CURRENT (mA)	
	1) TR SET NO.1	300
	2) TR SET NO.2	400
	3) TR SET NO.3	NA
	4) TR SET NO.4	NA
	5) TR SET NO.5	NA
	6) TR SET NO.6	NA
	7) TR SET NO.7	NA

NOTES FOR WATER WASHING ARRANGEMENT :-	
1	CUSTOMER TO USE 20 Mtr. FLEXIBLE WATER RUBBER HOSE FOR CLEANING THE ESP FROM INSIDE ONLY DURING COMPLETE SHUTDOWN.
2	NO PERMANENT WATER CONNECTION TO BE CONNECTED. THIS IS TO BE USED ONLY DURING SHUTDOWN.
3	ESP SHOULD NOT BE STARTED UNLESS WATER IS DRIED WITH HOT GAS FOR APPROX 2 TO 3 HR.
4	DUST DISCHARGE EQUIPMENT TO BE REMOVED BEFORE WASHING.

E - LOAD DATA

DESIGN WIND PRESSURE		120		SEISMIC ZONE		III		AS PER		IS 1893		
ESD DATA ON RCC PEDESTAL TOP												
SR NO.	COLUMN NUMBER	STATIC LOAD	DUST LOAD	ALL LOADS ARE IN TON / COLUMN								LIVE LOAD
				HORIZONTAL		VERTICAL		HORIZONTAL		VERTICAL		
				+/- X	+/- Z	+/- X	+/- Z	+/- X	+/- Z	+/- X	+/- Z	
1	H8, H7	29	16	3	7	9	17	3	4	3	10	1.5
2	J8, J7	45	32	8	8	38	23	9	6	44	14	1.5
3	K8, K7	45	32	8	8	38	23	9	6	44	14	1.5
4	L8, L7	29	16	3	7	9	17	3	4	3	10	1.5
5	M10, M9	0.5	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
ASH DENSITY CONSIDERED =												
800												

ASH DENSITY CONSIDERED =

800

CIVIL FOUNDATION DETAILS SHOWN IN THIS DRG. ARE PICTORIAL ONLY.

CIVIL FOUNDATION DESIGN & DETAILING IS IN CUSTOMER SCOPE BASED ON LOAD DATA MENTIONED ABOVE.

F - PAINTING DETAILS

TYPE	INSULATED (INSIDE & OUTSIDE)		NON INSULATED	
Components	Casing, Hopper, Nozzle, PentHouse/Insulator Box & misc.		Support Structure, Monorails, Staircase & Platforms, Ladder, Canopy if applicable	
Surface Preparation	Mechanical Cleaning to ST-2 Grade		Mechanical Cleaning to ST-2 Grade	
Primer	Two coats of Red Oxide Primer,		Two coats of Red Oxide Primer,	
Intermediate Paint	DFT/Coat : 25-30 Microns,		DFT/Coat : 20-25 Microns,	
Finish Paint	Not Applicable		Not Applicable	
Finish Paint Shade	Not Applicable		Not Applicable	
Grating for Staircase & Platform	As per Non-insulated scheme.		Not Applicable	
Railing for Staircase & Platform	As per Non-insulated scheme.		Not Applicable	
Internals	Rust preventive Oil Coating			
Bought outs	As per manufacturer STD			
Hardware	STD.			

CONSULTANT		VASANTDADA SUGAR INSTITUTE					
ACTUAL USER		BHIMASHANKAR SSK LTD.				DOMESTIC	
APPLICATION		ESP FOR 80 TPH BAGASSE FIRED TG BOILER					
PROJECT NO. :-		E210259					
PREPARED		CHECKED	APPROVED	SIZE	SCALE	CUSTOMER :- B&H A/C BHIMASHANKAR SSK LTD.	
SIGN		-SD-	-SD-	A2	1 : 1	PRODUCT NAME	
NAME		SMG/DLP	PVM/DMD			ELECTROSTATIC PRECIPITATOR	
DATE		10.07.12	10.07.12			TITLE - GENERAL ARRANGEMENT OF ESP MODEL - TE1	
THERMAX LIMITED						EXCEL FILE NAME	
ENVIRO DIVISION						PROJECTION	
						SHEET	
		DRAWING NO		REV			
		2 OF 2		E210259			
				E210259			

Madaynagar, Pargaon Via Awasari Bk.,

Goa - Anandnagar, Dist - Pune. 412 406

TELE-AX: (02133) 284231, 284232,

284241, 284246, 284270, 9975568130

Telegram : Bhimashankar Sugar

E-mail : bsskltd@gmail.com / bsskl@rediffmail.com



BHIMASHANKAR
SAHAKARI SAKHAR KARKHANA LTD.

(Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 1994 Dt.31-3-94)

BSSK/ Pur./ 237/ 2013 - 2014

Date :- 27/ 07/ 2013

28

Work Order

To,

M/s. Niks Technical Services

1, white field Apartment, plot no. 20

Ashok Nagar, Pune - 411 007

Ph - 020 - 25510450

Mob - 9822014385

Sub:- Design, Supply, Erection, Commissioning of Wet Scrubber for Boiler.

Dear Sir,

With reference to your quotation for above we are pleased to place our order on you as follows.

1) Scope -

Wet scrubber Make - M/s. Aerochem Engineering co.

Design, Supply, Erection, Commissioning of Venture Wet type Scrubber following specification.

Boiler Capacity - 37 TPH

Type of scrubber - Venture Wet type Scrubber

Inlet gas Volume - 144000CMH (2400CMS)

Inlet gas Temp. - 180 deg. C

Efficiency - 97 - 99%

Type of Throat - Fixed

Dust Loading at Outlet - < 100 mg / Nm³

Material of Construction:-

Venturi Stainless Steel 304 10mm thk.

Plenum Chamber, scrubber & Other ConnectionsMS 10mm thk

Scrubber bottom shell, Bottom cone, Cyclonic entry & Plenum inside lining with SS 304 1.6mm thk.

Scrubber shall be provided with with mist eliminator and sight and light glasses and manhole for inspection and maintenance.

Spray header with nozzles shall be provided in two sets in scrubber, One set in plenum and backwash for mist eliminator.....MOC SS304.

Datt...ugar, Pargaon Via Awasari Bk.,
Kambegaon, Dist - Pune, 412 406

TELEFAX: (02133) 284231, 284232,

284241, 284246, 284270, 9975568130

Telegram : Bhimashankar Sugar

E-mail : bsskltd@gmail.com / bsskl@rediffmail.com



BHIMASHANKAR
SAHAKARI SAKHAR KARKHANA LTD.

(Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 1994 Dt.31-3-94)

Wet scrubber installation shall be such that it should be suitable for operation with both boilers, one at a time.

Required steel material for flue gas ducting from existing ducting upto venturi inlet and from scrubber outlet upto existing ducting is excluded from scope of supply and work.

6 Nos. flue gas ducting dampers are included in the scope of supply for wet scrubber.

Ash handling system is excluded from scope of supply.

Required pumps- 2 Nos. Clearwater pump with SS impeller, CI body self priming type.

Civil work is in the scope of BSSK Ltd.

All required valves are in the scope of supply.

Approval from pollution authorities. is in the scope of work. Necessary fees will be paid by BSSK Ltd.

2) Quantity - 1 Set ✓

3) Rate - for supply Rs. 30,00,000/- (Rupyees Thirty Lakh Only)
for Erection Commissioning Rs. 5,00,000/- (Rupyees Five Lakh Only)

4) Payment - For Supply-30% Advance, 60% Against delivery, Balance after satisfactory trial.
For Erection Commissioning - 90% After completion of work, 10% After satisfactory Trial. ✓

5) Taxes - Extra as applicable ✓

6) Transportation - Nil.

Thanking you,
Yours faithfully


(Jagdish Harlikar)
Managing Director

Da. J. Nagar, Pargaon Via Awasari Bk.,

Ambeegaon, Dist - Pune. 412 406

TELEFAX: (020) 284231, 284232,

284241, 284246, 284270, 9975568130

Telegram : Bhimashankar Sugar

E-mail : bssktd@gmail.com / bsskt@rediffmail.com



BHIMASHANKAR
SAHAKARI SAKHAR KARKHANA LTD.

(Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47-1994 Dt.31-3-94)

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Design, Supply, Erection, Commissioning of Venture Wet type Scrubber following specification.

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Plenum Chamber, scrubber & Other Connections MS 10mm thk

Scrubber bottom shell, Bottom cone, Cyclonic entry & Plenum inside lining with SS 304 1.6mm thk.

Scrubber shall be provided with with mist eliminator and sight and light glasses and manhole for inspection and maintenance.

Spray header with nozzles shall be provided in two sets in scrubber, One set in plenum and backwash for mist eliminator.....MOC SS304.

Venturi Type Wet Scrubber installed at M/s Bhimashankar SSK Ltd.,
Tal.- Ambegaon, Dist.-Pune, common to Two Nos. 40 TPH Boilers.

- 1) Reference Drawings - a) Drg. No.- 2148-103837/1, GA Drg. of Wet Scrubber,
b) Drg. No.- 2148- 103837/2, Venturi Details,
c) Drg. No.- 2148- 103837 R5, Wet Scrubber Layout
Details
d) Drg. No.- 2148-103837/14, Fresh Water Pump &
Piping Details

2) General arrangement of Venturi Type Wet Scrubber System.

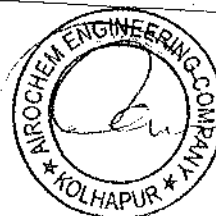
Prior to installation of 'Airochem' make Wet Scrubber, there were two MDC's installed, one for each boiler independently. In the present system, one of the two existing MDC's is removed from it's place and One No. 'Airochem' Venturi Type Wet Scrubber is installed in it's place.

Inter-connecting flue gas ducting path is designed in such a way that when only one boiler in operation, flue gases from that boiler shall be routed Venturi through newly installed Venturi type Wet Scrubber. When both boilers are in operation, one Boiler shall be connected MDC and other Boiler shall be connected to newly installed Venturi type Wet Scrubber. Suitable multi-louvered are provided in the ducting to carry out this operation.

3) Design & Working of 'Airochem' make Venturi type Wet Scrubber.

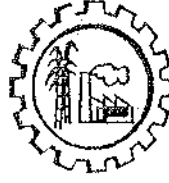
The 'Airochem' Wet Scrubber consist of a Wet Venturi followed by a liquid entrainment separator. Ash particles laden flue gases enter the venture and instantly make contact with the radially introduced scrubbing liquid swirling down the venturi's convergent walls. At the venture throat, the flue gas and liquid streams collide and the liquid breaks down into droplets which trap fly ash particles. This gas/liquid mixture passes throu an elbow diffuser and enters the entrainment separator through a tangential inlet. Centrifugal action removes the heavy wetted particles from the gas stream.

Suitably designed mist eliminators are provided inside entrainment separator at it's top for removing fine water particles from the gas stream. Clean gases are let out from top of the entrainment separator, to ID Fan inlet. Wetted ash mixed with liquid, commonally called as Slurry, is let out at the bottom, to the suitably designed soak pits.



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

Dattatraynagar, Pargaon Via Awasari (Bk.), Tal- Ambegaon, Dist - Pune. 412 406

Tel.Fax: (02133) 284241, 284270, 9975568130, 8888846990 E-mail : bsskltd@gmail.com Web site: www.bhimashankarssk.com, www.bsskl.sets.co.in

BSSK/Pur./ 312 /2021 – 2022

Date :- 10/07/2021
13

Work Order

To,
M/s. ONSHA MANUFACTURES (3/77) ✓
A/P- MANCHAR, TAL- AMBEGAON,
DIST- PUNE.
Mob – 9960829840
Email- ashokhngencp@gmail.com

Sub:- Boiler Wet Scrubber Repairing Work . (Tender A-62) ✓

Dear Sir,

With reference to Board of Director Meeting negotiations dated 03/07/2021, we are pleased to place our order for Boiler Wet Scrubber Repairing Work as follows.

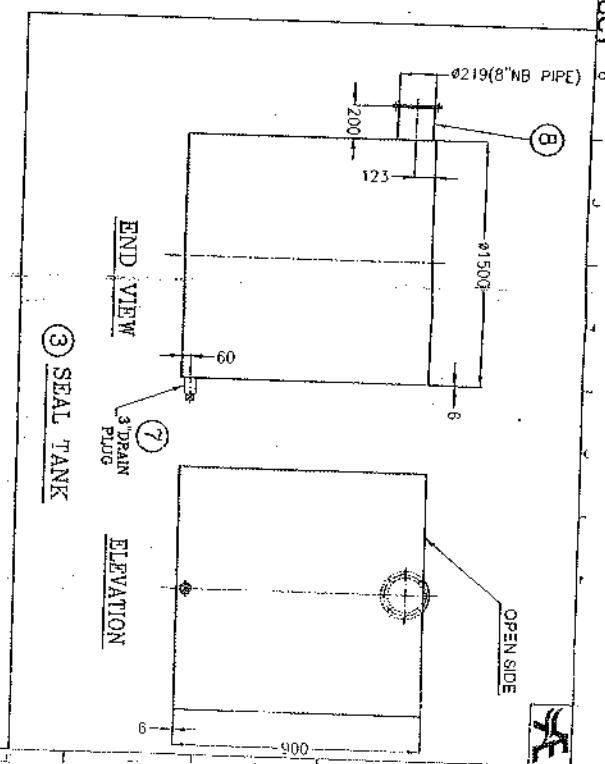
Sr. No.	Item code	Description	Unit	Qty	Rate /Unit INR
1	1274	<u>Wet Scrubber repairing work for Boiler No MR 13151</u> Scope of Work Complete replacement of wet scrubber body, Top Plate & bottom cone Height of body – 14 Mtr Diameter – 4.600 Mtr Plate thickness for complete body, top plate & bottom cone – M.S. 10 mm	Job ✓	01 ✓	2700000/- (Rs. Twenty Seven Lakh Only)

Terms and Conditions :-

- 1) GST:- Extra As Applicable. ✓
- 2) Payment- 50% Advance, balance as per work progress. ✓
- 3) Transportation – Nil. ✓

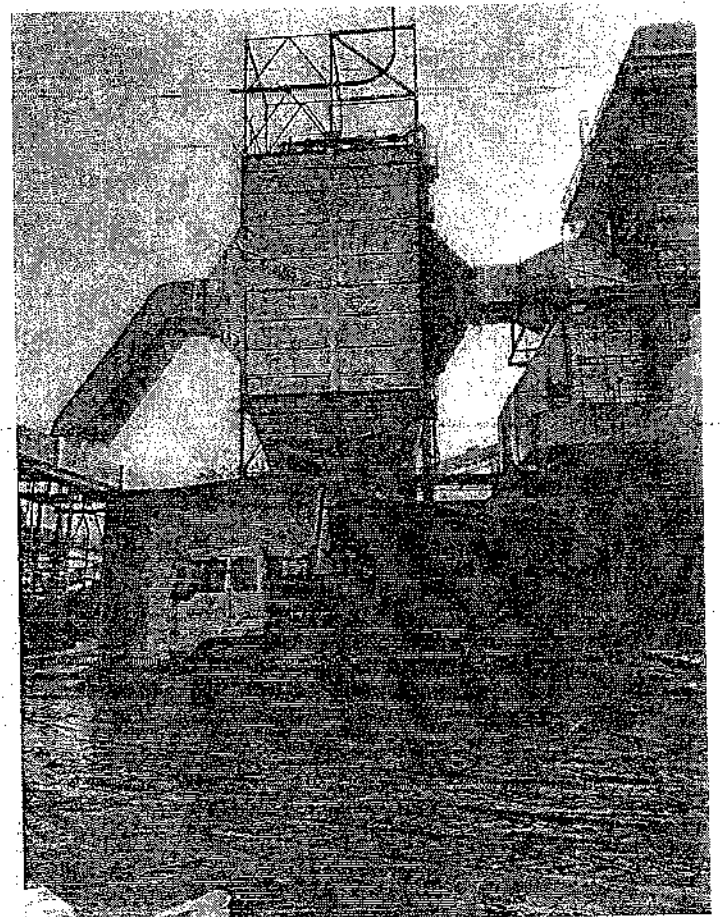
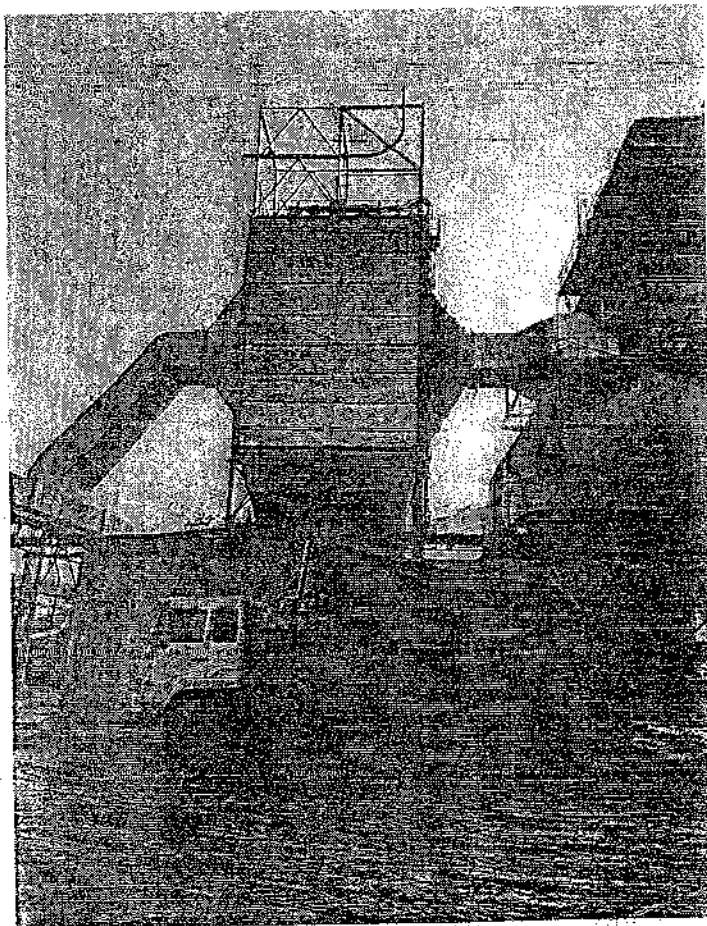
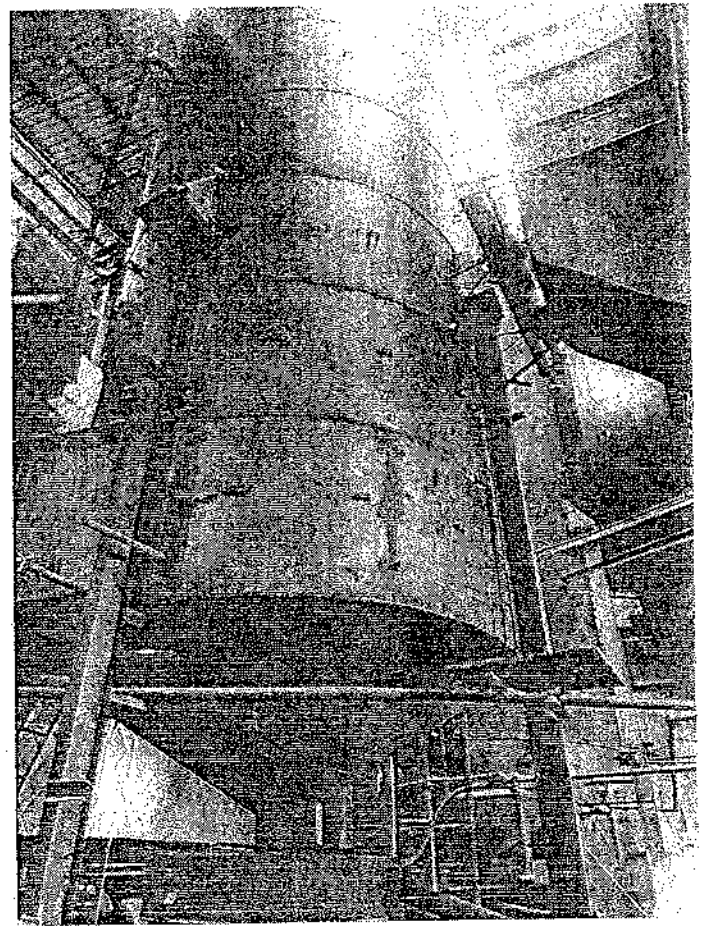
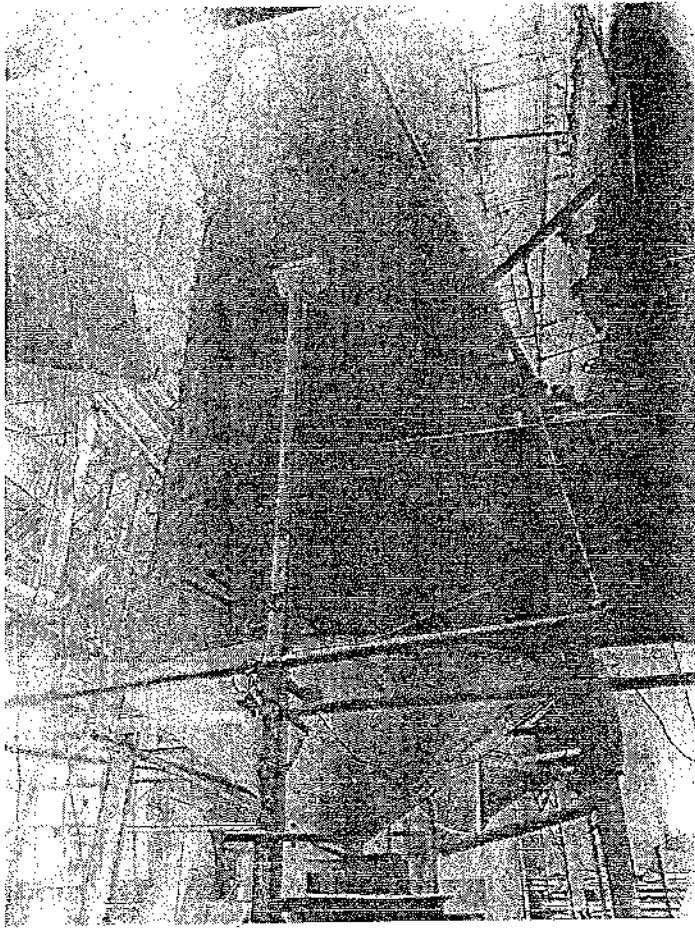
Thanking You,
Yours faithfully,

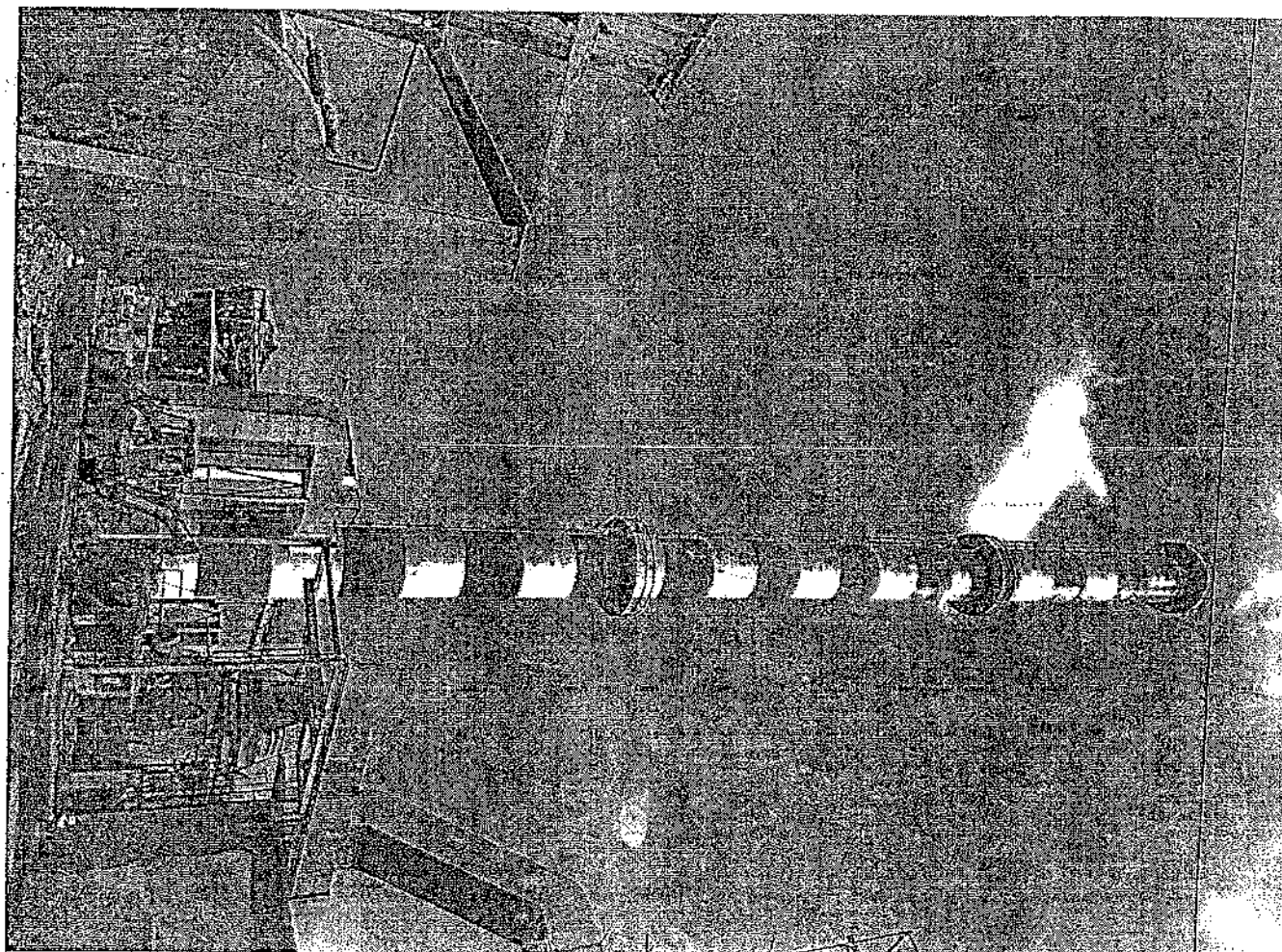
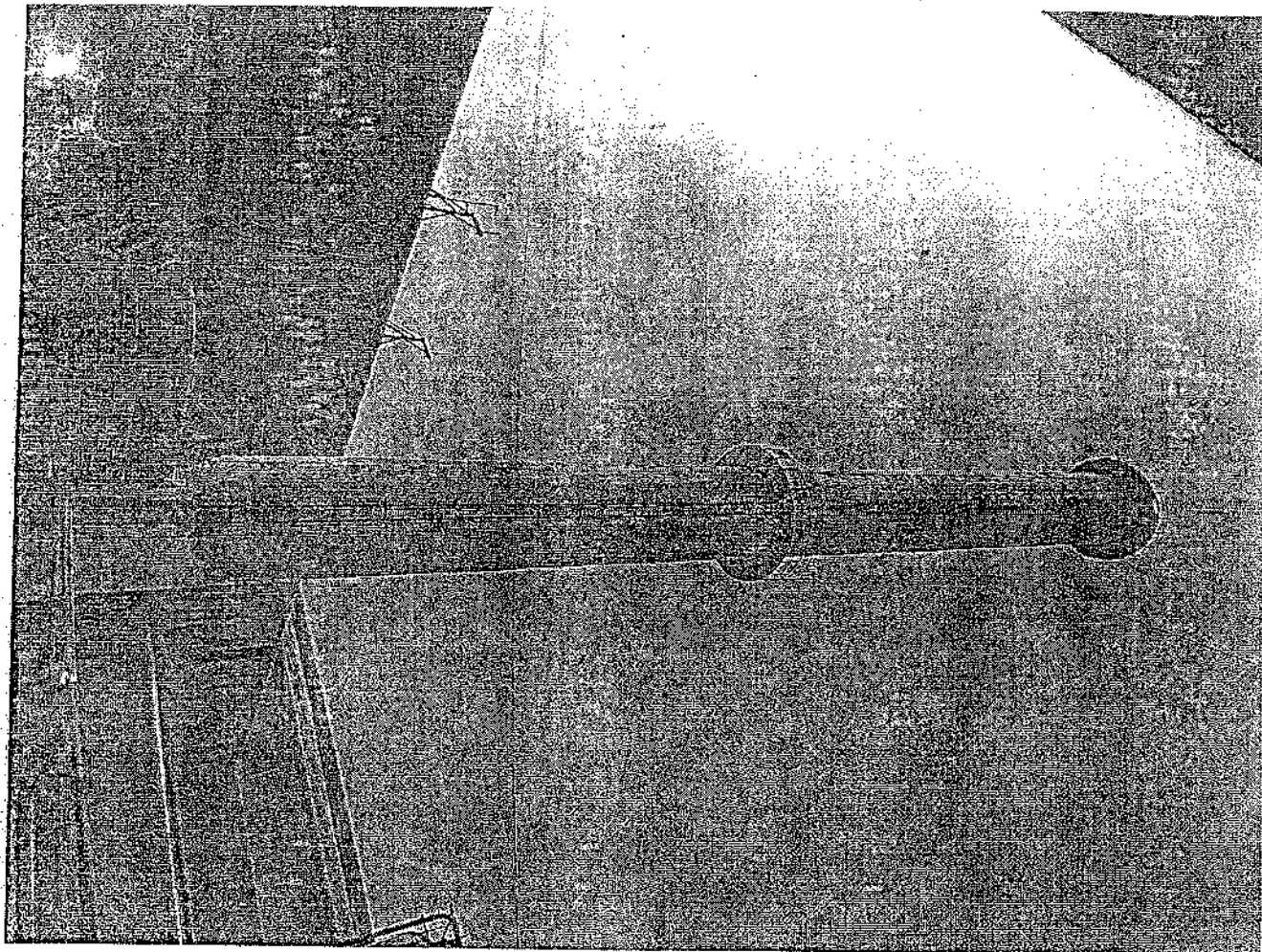
(C.G. Dhage)
Managing Director

ELEVATION

	APPROVED	DPW	D/O 25-9-2015	SHEET 1 OF 1
	5	4	3	2

 B-07, AMPO, SHROOL, KOLAPUR		PRODUCT: WET SCRUBBER	
TITLE: CA DRG. OF WET SCRUBBER DETAILS			
SCALE: 1:76 DRAWN: [blank] CHECKED: [blank] APPROVED: [blank]	SPK: [blank] DTD: 25-9-2015 DTD: [blank] DTD: 23-9-2015	MATERIAL: AS ABOVE QUANTITY: 1 SET	DRAWING NUMBER: 2148-103837/1 SHEET: 1 OF 1
5	4	3	2







AKANKSHA ANALYTICAL & RESEARCH CENTRE

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

114

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

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	160.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.84	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.69	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	270499.43	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	81.60	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	176.13	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	185.46	N.S.	IS 11255 (PART 7) RA 2022
14.	Carbon Monoxide	ppm	2055.19	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-01	VAYU-096	09/06/2026	
Stack Monitoring Kit Manual		AL-DWB-01	GCT/0088A/06/25	23/06/2026	

REMARK, OPINION & INTERPRITATION-

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

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



AKANKSHA ANALYTICAL & RESEARCH LAB

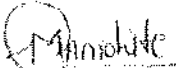
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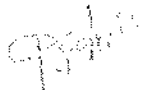
SOURCE EMISSION MONITORING REPORT		Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karidhana Ltd. Dattatraynagar, Parganah, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No AL/TR/91-428/2025-26
		Report Date 06/12/2025
		Inward No AL/9-916/07/2025-26
		Sampling Date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

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	° C	167.0.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.34	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.29	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	199018.15	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	98.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1068.94	≤3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	237.55	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2269.81	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-01	VAYU-096	09/06/2026	
Stack Monitoring Kit Manual		AL-DWB-01	GCT/0088A/06/25	23/06/2026	

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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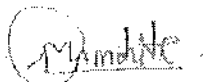
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- ISO 45001 : 2018 Certified Organization

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

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

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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

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

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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

SN. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	---	RCC	N.S.	---
2.	Type of fuel	---	Bagasse	N.S.	---
3.	Stack Height from G.L.	m	60.00	N.S.	---
4.	Type of Stack	---	Round	N.S.	---
5.	Dimensions of Stack	m	04.00	N.S.	---
6.	Stack area	m ²	12.56	N.S.	---
B. Parameters					
7.	Flue Gas Temperature	°C	150.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	0464	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	00.49	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas Volume	Nm ³ /hr.	265465.43	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	83.10	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	227.71	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	181.43	N.S.	IS 11255 (PART 2) RA 2022
14.	Carbon Monoxide	ppm	1952.14	N.S.	IS 13270 (Part 3) 2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-01	VAYU-096	09/06/2026	
Stack Monitoring Kit Manual		AK-SMK-02	2502624	28/07/2026	

REMARK/OPINION & INTERPRETATION

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

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	---	RCC	N.S.	---
2.	Type of fuel	---	Bagasse	N.S.	---
3.	Stack Height from G.L.	m	72.00	N.S.	---
4.	Type of Stack	---	Round	N.S.	---
5.	Dimensions of Stack	m	03.54	N.S.	---
6.	Stack area	m ²	09.83	N.S.	---
B. Parameters					
7.	Flue Gas Temperature	°C	164.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.35	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.27	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	199930.05	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	98.30	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1165.46	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	238.11	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2054.83	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-01	VAYU-096	09/06/2026	
Stack Monitoring Kit Manual		AK-SMK-02	2502624	28/07/2026	

REMARK, OPINION & INTERPRETATION-

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

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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भीमाशंकर सहकारी साखर कारखाना लि.

सम अग्रह नं. २६९८

दिनांक - २०/१२/२०२३

[Signature]

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/91-422/2025-26	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	06/12/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-916/01/2025-26	
Village-Awasari Bk, Tal. - Ambegaon, Dist. - Pune-412 406		Samplin Date	29/11/2025	
Sample Location	East Side - Mr. Rajesh Dhobale House	Sampling Time	12:00 PM	
Sample Collected By	AARL	Time duration	08 Hr	

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

Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION-

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

[Signature]

Prepared by
(Ms. Monika Mohite)

[Signature]

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...

*GM
Pulup
30/12*

PM

[Signature]
30/12



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

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

Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION.

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

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING

Page 1 of 1

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

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

Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION-

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

Prepared by

(Ms. Monika Mohite)

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



AKANKSHA ENVIRONMENTAL RESEARCH LAB.

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING

Page 1 of 1

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

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

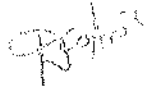
Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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- ISO 45001: 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/91-426/2025-26	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	06/12/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-916/05/2025-26	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	29/11/2025	
Sample Location	Near Main Gate (Company Premises)	Sampling Time	11:45 AM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1	Ambient Temperature	°C	30.0	N.S.	EPA-454/R-99-005
2	Relative Humidity	% rh	51	N.S.	EPA-454/R-99-005
3	Sulphur Dioxide (SO ₂)	µg/m ³	28.65	≤ 80	IS:5182(Part-2/Sec-1)RA 2023
4	Oxides of Nitrogen (NO _x)	µg/m ³	31.14	≤ 80	IS:5182(Part-6)RA 2022
5	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	57.10	≤ 100	IS:5182(Part-23)RA 2022
6	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	23.90	≤ 60	IS:5182(Part-24):RA-2024
7	Ozone (O ₃)	µg/m ³	17.04	≤ 180	IS:5182(Part-9)RA 2019
8	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9	Carbon Monoxide (CO)	mg/m ³	01.65	≤ 04	IS:5182(Part-10)RA 2019
10	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRETATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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

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

Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/92-143/2025-26	
		Report Date	07/01/2026	
		Inward No	AL/9-961/02/2025-26	
		Sampling Date	29/12/2025	
Sample Location	South West - Near Hotel Arati	Sampling Time	10:45 AM	
Sample Collected By	AARL	Time duration	08 Hr	

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

Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist- Pune-412 406		Report No	AL/TR/92-144/2025-26	
		Report Date	07/01/2026	
		Inward No	AL/9-961/03/2025-26	
		Sampling Date	29/12/2025	
Sample Location	North West- Near Tanishka Mangal Karyalaya		Sampling Time	11:50 AM
Sample Collected By	AARL		Time duration	08 Hr

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

Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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

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

Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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

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

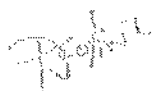
Details of equipment used and its Calibration Certificate

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

REMARK, OPINION & INTERPRITATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



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

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA-454/R-99-005
2.	Relative Humidity	%rh	51	N.S.	EPA-454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	27.18	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	29.32	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.60	≤ 50	IS:5182(Part-24)RA-2024
7.	Ozone (O ₃)	µg/m ³	16.82	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.58	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part-11)RA 2022
12.	Benzofluoranthene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part-12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-03	2502627	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/D088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK/OPINION & INTERPRETATION-

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

M. Mohite

Prepared by
(Ms. Manika Mohite)

Chetan Kadam

Authorized Signatory
(Mr. Chetan Kadam)

End of test report.



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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:-		Report No	AARL/AA/2026/01/176	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	09/02/2026	
Dattatraynagar, Pargan,		Inward No	AARL/AA/2026/01/176	
Village-Awasari Bk., Tal. -Amhgaon, Dist.- Pune-412 406		Sampling Date	31/01/2026	
Sample Location	West -Shri Pratik Ware(Near House)	Sampling Time	11:30 AM	
Sample Collected By	AARL	Time duration	00 Hr	

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

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-07	2502631	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0068A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRETATION-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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- ISO 45001:2018 Certified Organization

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

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

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-04	2502628	28/07/2026
Digital Weighing Balance	AL-DWB-01	GC1/0088A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK, OPINION & INTERPRETATION

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

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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- ISO 45001:2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1
NAME OF COMPANY:- M/s. Khuma Shankar Sahakar Sahkar Karkhana Ltd, Dattatrayanagar, Parganah, Village-Awasari Dk, Tal.-Ambegaon, Dist.- Pune-412 406		Report No AARL/AA/2026/01/177
Sample Location North-Shri Gulab Dhole (Near House)		Report Date 09/02/2026
Sample Collected By AARL		Inward No AARL/AA/2026/01/177
		Sampling Date 31/01/2026
		Sampling Time 11:50 AM
		Time duration 001hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	29.0	N.S.	EPA-454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA-454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.69	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	26.76	≤ 60	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	50.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.70	≤ 60	IS:5182(Part-24)-RA-2024
7.	Ozone (O ₃)	µg/m ³	16.55	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.19	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling 3rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part-11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part-12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS BPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-01	2502625	28/07/2026
Digital Weighing Balance	AL-DWB-01	GCT/0008A/06/25	23/06/2026
Spectrophotometer	AARL/SPM/01	2502588	29/07/2026
Atomic Absorption Spectrometer	AARL/AAS/01	2502599	29/07/2026

REMARK/OPINION & INTERPRETATION:-

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



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- * 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, Parganah, Village-Awasari Bk. Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AARL/AA/2026/01/179
		Report Date	09/03/2026
		Inward No	AARL/AA/2026/01/179
		Sampling Date	31/01/2026
Sample Location	Near Main Gate (Company Premises)	Sampling Time	10:50 AM
Sample Collected By	AARL	Time duration	08 Hr

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

Details of equipment used and its Calibration Certificate

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

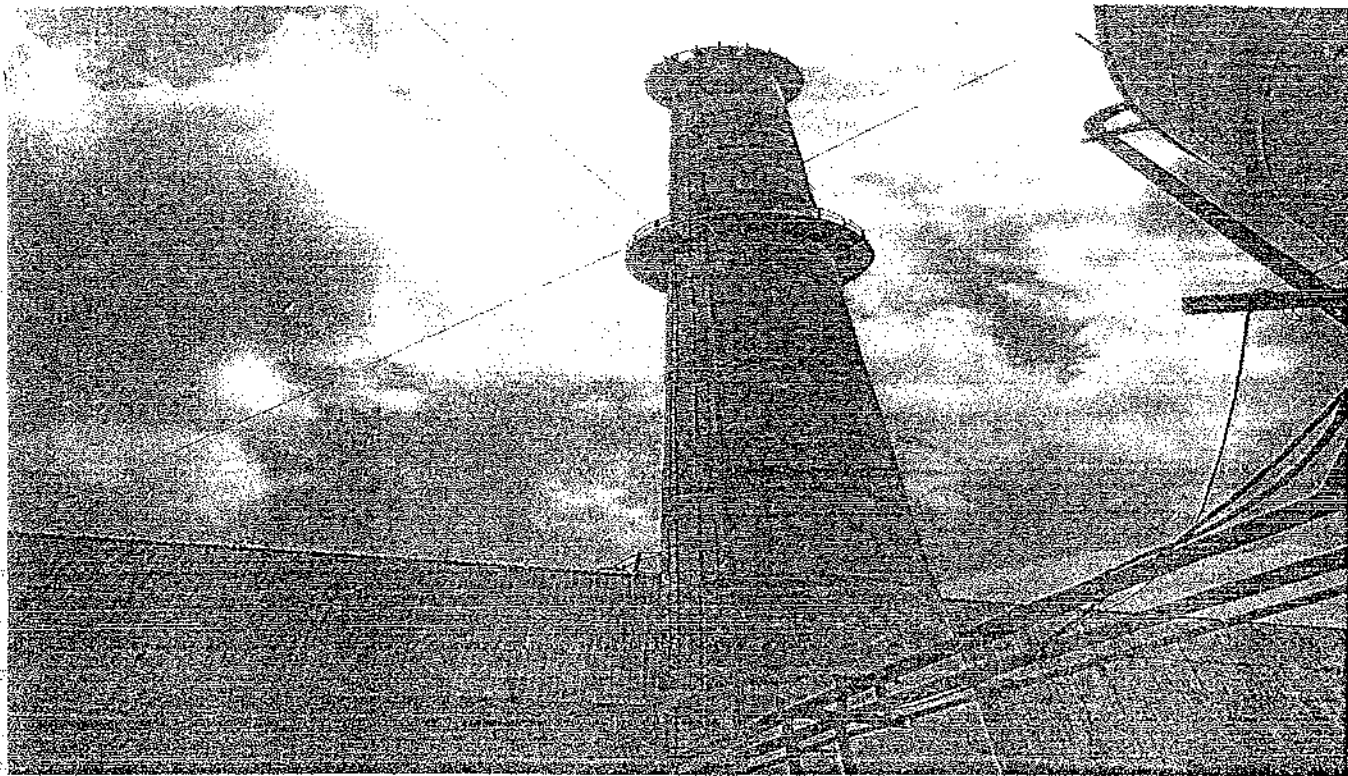
REMARK, OPINION & INTERPRETATION-

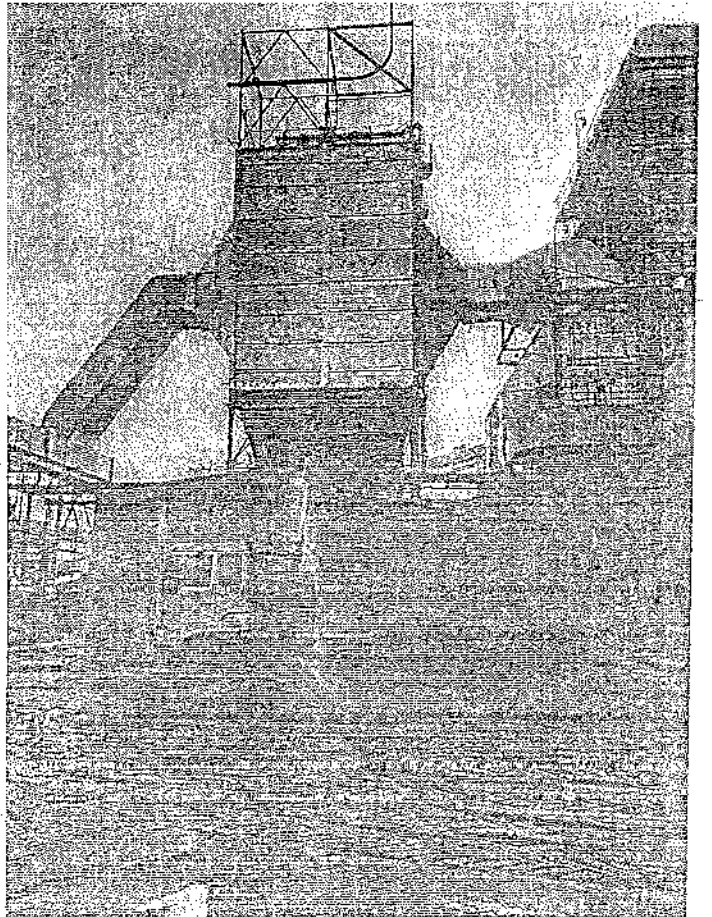
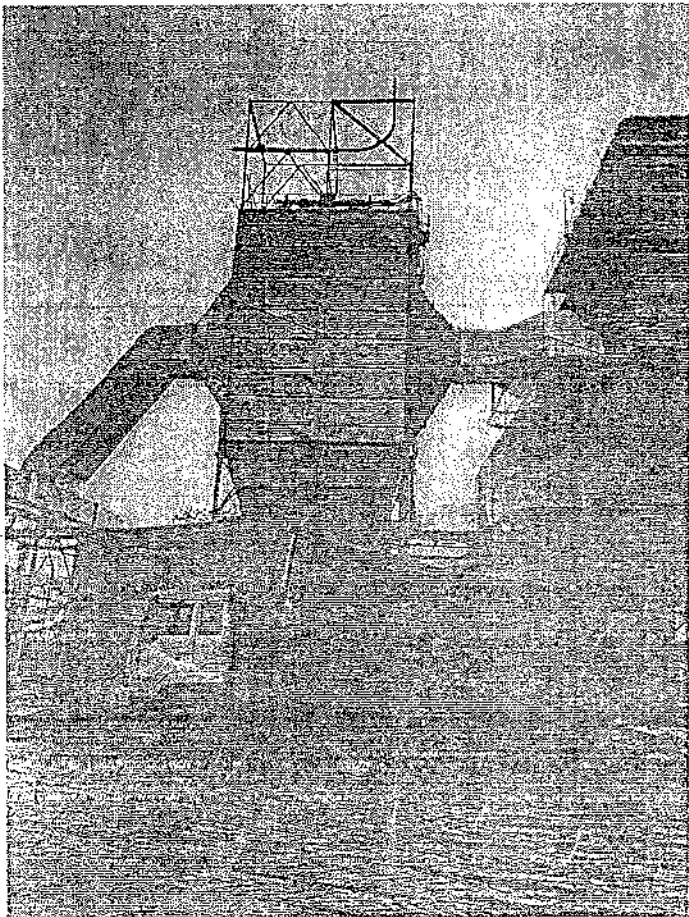
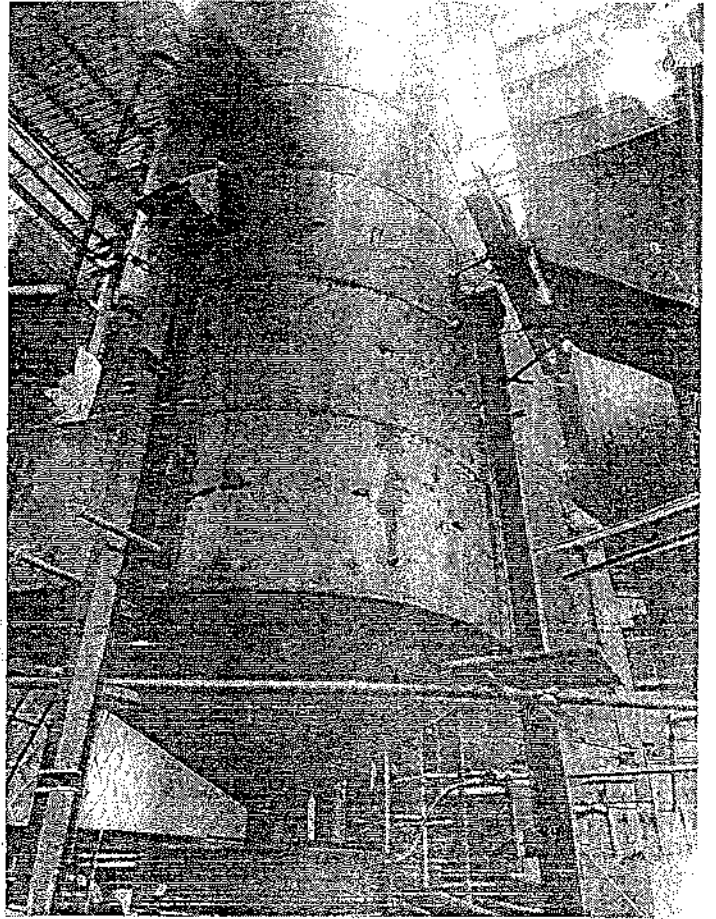
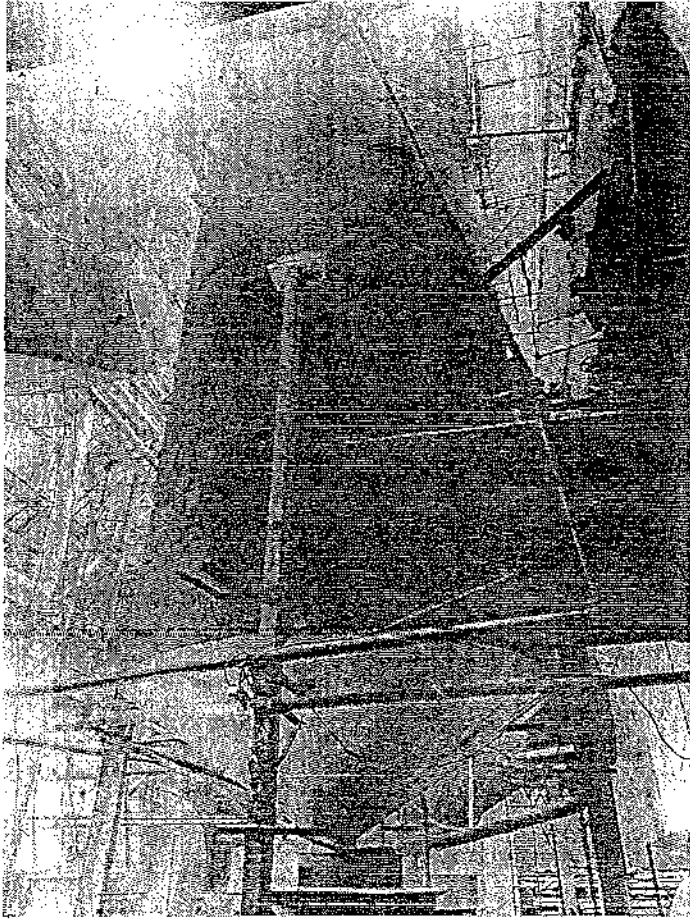
- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...





RAIN WATER HARVESTING
FEASIBILITY REPORT
FOR
Project
BHIMASHANKAR SUGAR
FACTORY
At
DATTATRAY NAGAR, PARGAON, PUNE

By



M/S. RAINBOW GROUP
ADD: NEAR BALAJI LAW COLLEGE,
A/P- TATHWADE, PUNE
PH. NO. 020/65000337,

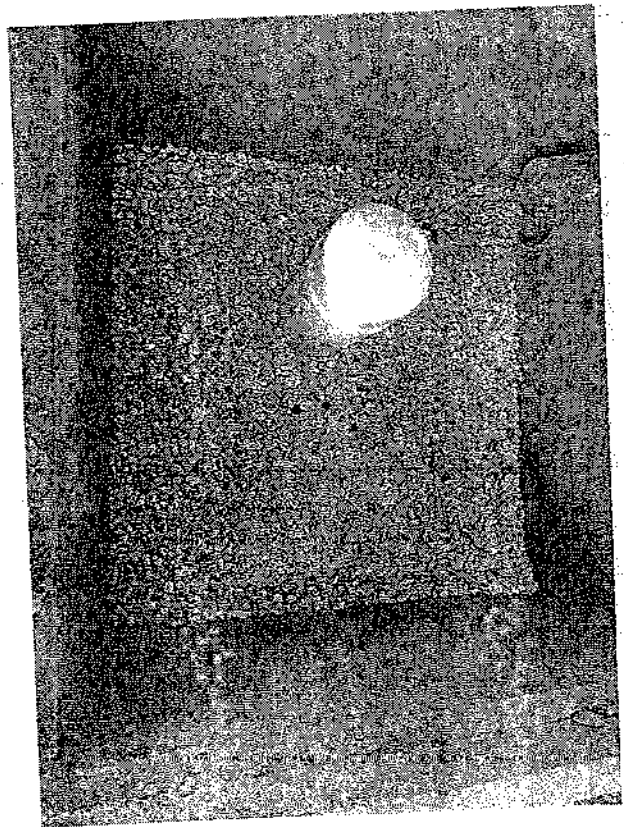
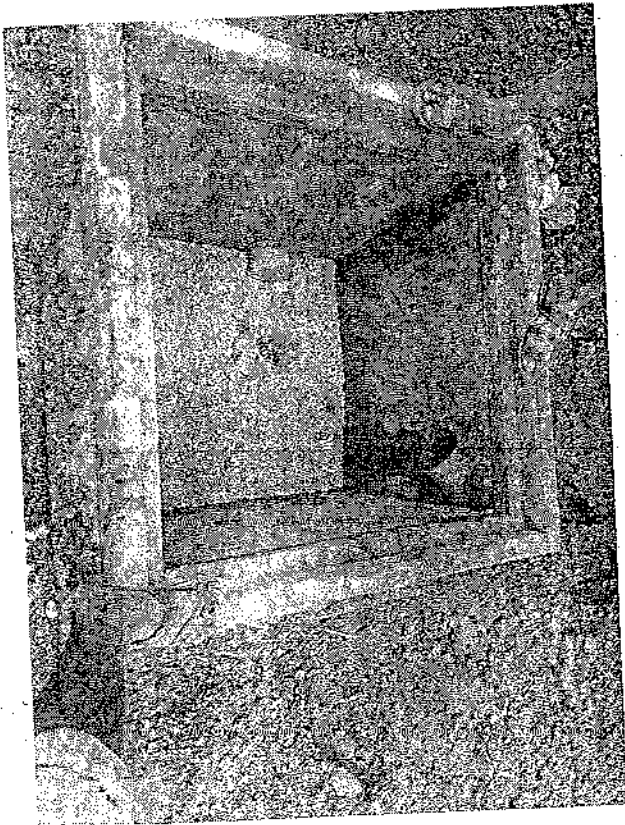
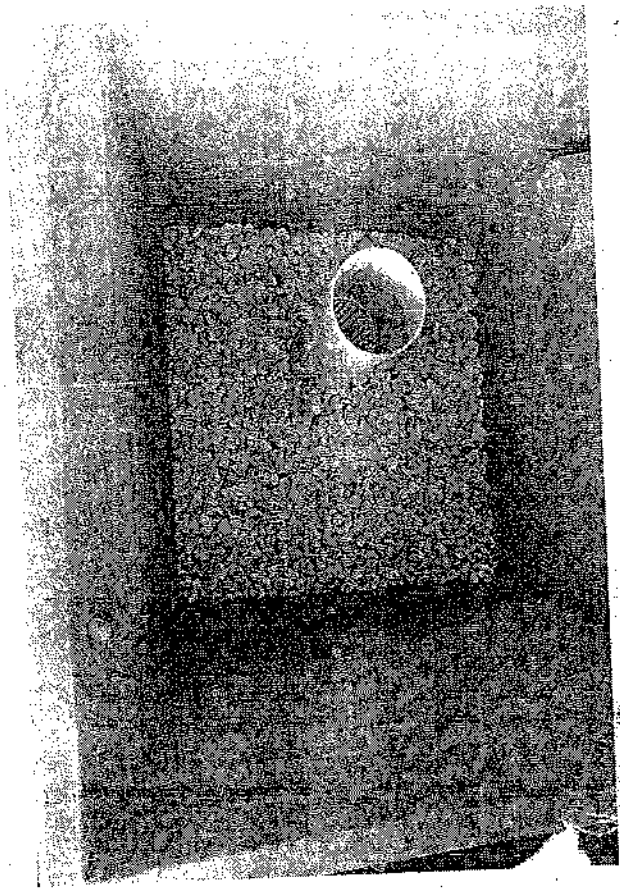
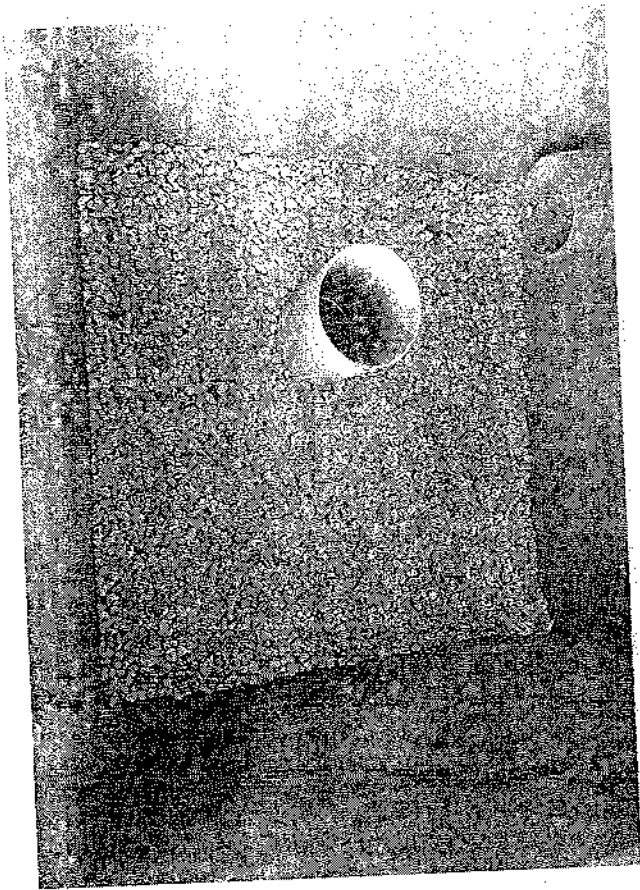
AIM OF THE PROJECT –

- To implement 'Rain Water harvesting' to store and recharge water to achieve maximum self-sufficiency.
- To recharge excess water in the ground in methodical way to improve 'ground water table'.
- To recharge, reuse and recycle water in every possible way and achieve minimum water discharge to take care of natural resource.
- To plan all 'water management' in sustainable way without disturbing the natural balance.

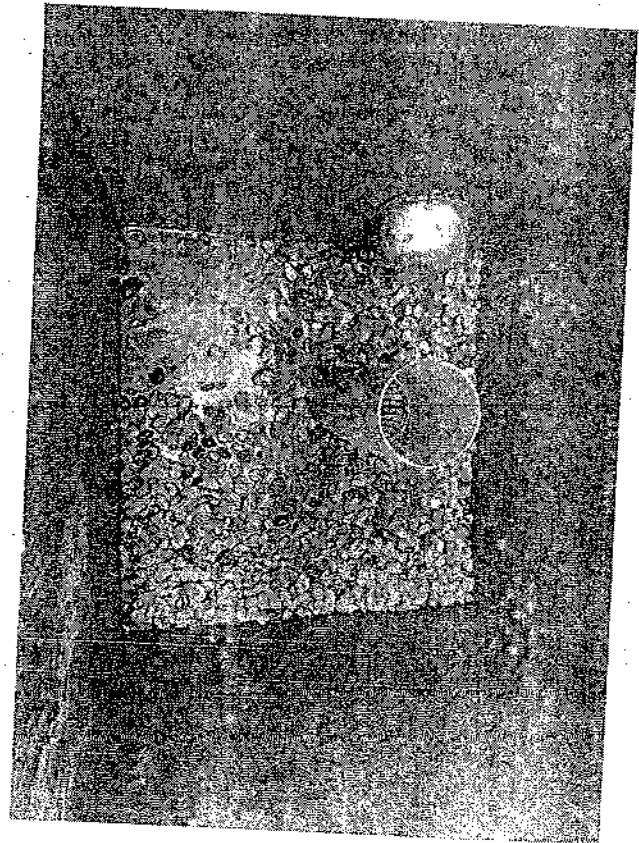
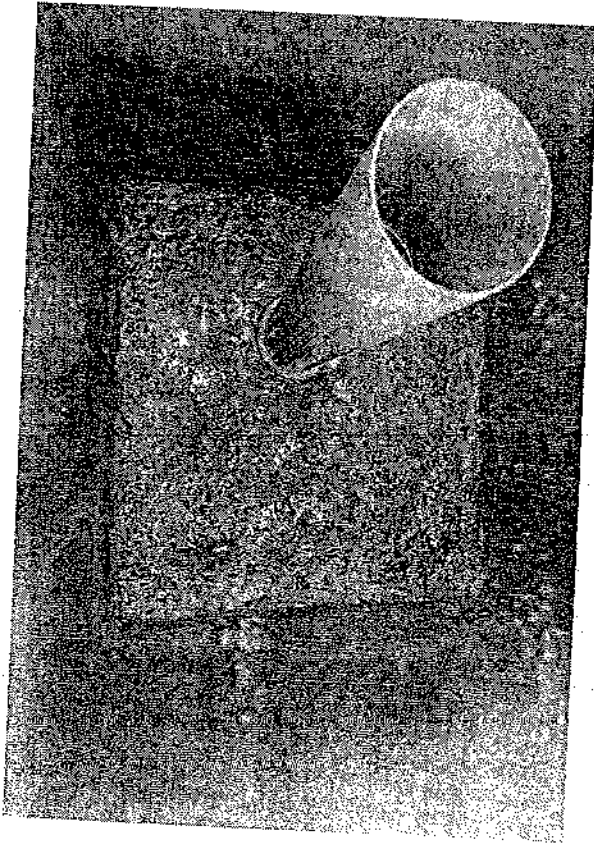
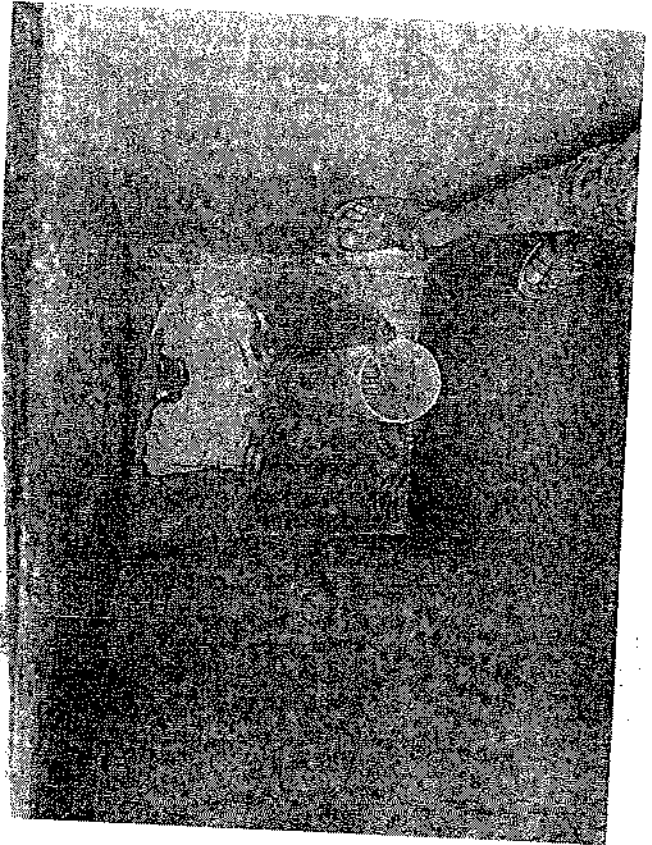
1. TITLE OF THE PROJECT : - A Project report on Rain water harvesting at Industrial Project
"Bhimashankar Sugar Factory, Dattatray Nagar, Pargaon, Pune

2. SUBMITTED BY :- **M/s. RAINBOW GROUP**

S. No. 1/1/1, Near Balaji law College,
Ravet-Aundh BRT Road, Tathwade, Pune – 411033
Phone: 020-65000337
E-mail: Rainbow.rainwaterharvesting@gmail.com
Web: www.rainbowgroup.org.in



Actual Photos of Rainwater Harvesting



3. RAINFALL PATTERN:-

The normal annual rainfall over the district varies from about 468 mm to 4659 mm. It is minimum in the eastern part of the district around Daund (468 mm), Baramati (486 mm) and Jujuri (494 mm). This increases towards west and reaches a maximum around Khandala (4659 mm) in the western ghat. The Chances of receiving normal rainfall are maximum (50 to 55%) in eastern part around Indapur and Daund, in the central part around Pune city and small area around Junnar in northern part of the district. Rainfall analysis also indicates occurrence of drought prone area in eastern, southern, south-eastern, central and north western part around Indapur, Baramati, Jujuri, Daund, Talegaon, Damdhare ,Alandi, Shirur and Bhore covering about 50% area of the district. Taluka wise average annual rainfall for the period 2003 to 2012 ranges from about 474 mm (Daund) to 2668 mm (Velhe)

Table-3 Annual Rainfall Data for Year 2003-2012 (Rainfall in mm)

Taluka	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Decadal Average
Pune City	935.3	652.4	1239.5	1246	779.44	689.29	909.7	1169	979.9	492.7	849.32
Haveli	452.2	890.6	1250.36	1247.5	859.04	706.09	938.3	1147.8	979.6	505.4	897.67
Mulshi	1251	1878	2875.8	2804	1834	1602	1836.7	1592	1792	1438	1890.35
Bhor	712	1380.1	1714	1762	1429.4	998	1213	1121	1129.3	833	1229.18
Maval	1026	1466	2561	2252	1442.6	1399.5	1364.8	1168	1482	1013	1571.14
Velhe	1420	2054.4	6320.6	3997	3263	2409	1405	2043	2695.1	2070.4	2667.7
Junnar	648.2	8	1344.4	1237	880	747.4	706	862.3	769	557.1	852.32
Khed	386.2	775	973.1	1461.1	756.5	692.66	639.6	1018.4	637.7	436.2	777.65
Ambegaon	421.8	735.1	1025	1338.3	830.9	735	732.3	823.4	836	616.6	809.44
Shirur	266	374	460	760	674	492	859.6	849.5	441.8	321	549.69
Baramati	113.2	521	711	587	622	454	738.8	804.6	291	235	505.76
Indapur	163.3	651.9	696.1	668	640.3	345.4	932.4	805.8	399	250.6	555.28
Daund	156.3	522	742.2	594	604.85	326.7	474.3	639.3	347.6	337.4	474.46
Purandhar	215	710	1158	1476	519	497	806	602	609.4	371	696.34
District Average	540.46	996.87	1647.9	1529.2	1081	814.62	968.3	1046.1	956.38	676.9	

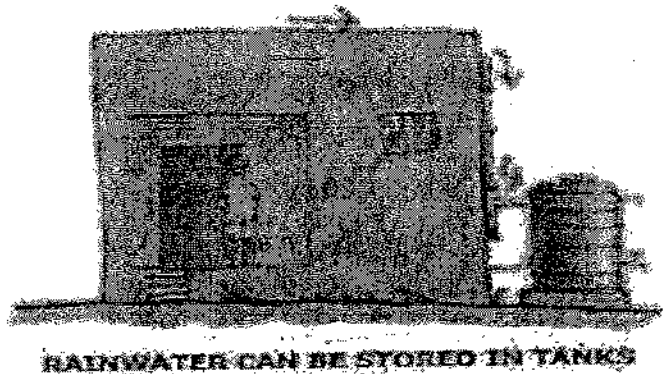
4. METHODS OF RAIN WATER HARVESTING -

Rain water harvesting can be done by two methods -

1) Direct storage method

a. In closed / Underground tank

In direct storage method, the roof water will flow from down take pipe through sand filters. Sand filters to be installed on every down take pipe, and then will flow to the storage tank. Though it is costly preposition we can store some part of volume of water by this method. We can store some water in underground tank and some part can be utilized for Ground Water Recharge.



b. Percolation pond -

Developing percolation pond is another important method of Rain Water Harvesting.

Percolation pond can be prepared by bare stone pitching /using HDPE sheets. Laying HDPE sheets will require murum filling underneath.

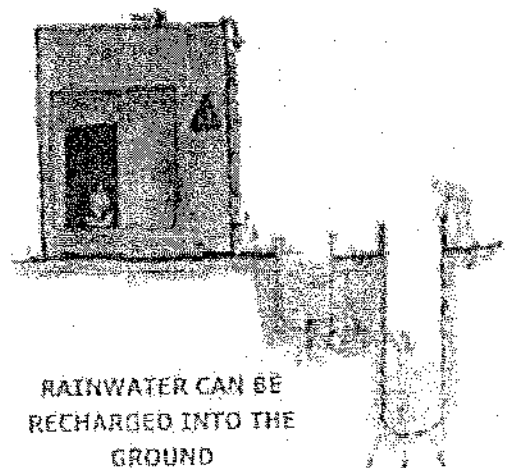
However if we want to recharge maximum water in the ground, we do not propose HDPE sheet layer in the percolation pond. So more & more water will seep in & after maximum silting at bottom, water will get stored.



will get stored.

2) Ground water recharge

Another method is using roof water and Storm water for ground water recharge. In that case the roof water can



be filtered through sand filters but storm water needs Desilting chamber and auxiliary bore wells or recharge pit. The storm water can be collected through channel and gutters according to the existing topography. The physical, chemical and biological contamination can be taken care by desilting chamber. This water can be used for ground water recharge by putting it in auxiliary bore well. By this the ground water table will improve substantially along with water table of the area. We can also use soak away pits, infiltration trenches, oil & grit separators to purify water. This is comparatively cheaper option.

Rainwater harvesting Calculation

Rainwater Collected before development

Total terrace Area = 35869.18 Sq. M. (Appo.)

= 35817.18 x 849.32 x 0.3

= 9126.07 Cum per year

= 182.52 Cum Per Day

We consider the 50 day of rainy season in one year

Rainwater Collected after development

1. Total Terrace area (A) - 35869.18 Sq. M.

2. Average Rainfall in Pune (I) - 849.26 MM

(Ref: Ground water information)

3. Runoff Coefficient Factor for hard Space (F) - 0.8

Surface water collected by rainwater will be

= Area in Sq. M. x Average Rainfall x Runoff Coefficient

= A x I x F

= 35869.18 x 849.26 x 0.8

= 24369.80 Cum per year

= 487.39 cum per day

We consider the 50 day of rainy season in one year

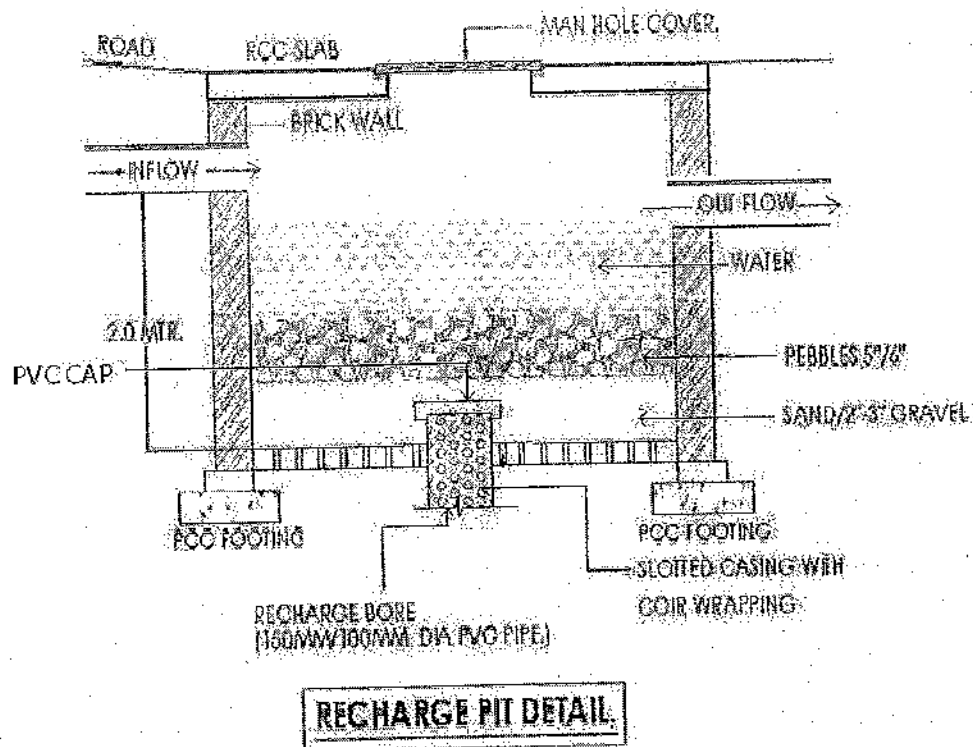
Surplus Water will be calculated

Total Surplus water = Rainwater After Development – Rainwater Before Development

= 487.39 – 182.52

= 304.87 Cum Per Day

Recharge pits – Drawing of recharge pit



We are recharge with 2m x 2m in which Vee –Wire screen filter installed from this filtration will recharge water in to percolation borewell.

Vee wire screen filter is having filtration in micron level, also its used for rainwater harvesting purpose.

Area Statement of Bhimashankar

Sr. No.	Details	Area in Sq. M.	Avg Rainfall	Runoff Coeff	Total Water Collected	
1	Main Building and around shed	9883	849.32	0.8	6715.06365	9883
2	Godown 5 Nos.	14233	849.32	0.8	9670.69725	14233
3	English School	3266	849.32	0.8	2219.1033	
4	College Bldg	2500	849.32	0.8	1698.64	
5	Office Bldg	964	849.32	0.8	654.995584	964
6	Gust House & Rest Room	628.5	849.32	0.8	427.038096	628.5
7	Laboure Qurter (105 to107)	512	849.32	0.8	347.881472	512
8	Laboure Qurter (114 to118)	1966.28	849.32	0.8	1336.00074	1966.28
9	Laboure Qurter (114 to118)	1295.4	849.32	0.8	880.167302	1295.4
10	Banglow Quarter (102 to 104)	621	849.32	0.8	421.942176	621
	Effective Catchment Area	35869.18	849.32	0.8	24371.5296	

100



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/ १७६८/२०१९ - २०

मंचर ४१०५०३ दिनांक - ०२/१३/२०१९

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 झाडांतील अंतर २ ते ३ मी. आहे.लागवड केलेल्या वृक्षांतील अंतर योग्य आहे.

(योगेश एस.महाजन)

वनपरिक्षेत्र अधिकारी

मंचर.



जाक्र/ताकृअ/ विस्तार/3६१५/२०१९
तालुका कृषि अधिकारी, आंबेगाव
(घोडेगाव) दि. २/१२/२०१९

प्रति,

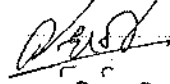
मा.कार्यकारी संचालक,
भिमाशंकर सहकारी साखर कारखाना,
पारगाव त.अवसरी बु.

विषय -- झांडामधील अंतर प्रमाणित करून मिळणेबाबत.

संदर्भ -- भिमाशंकर सहकारी साखर कारखाना पारगाव त.अवसरी बु यांचे कडील
पत्र जाक्र/शेतकरी/२३८९/१९ दिनांक २७/११/१९.

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

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


तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव) जि.पुणे

भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर

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

झाडांची नावे व अंतर तपशिल

अ.क्र.	झाडांची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (स्क्वेअर मी.)	वृक्ष लागवड क्षेत्र (हे.आर.)
		२०१७-१८ (पूर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
१	नारळ ६ मी	१७०	०	०	१७०	५ X ५	२५	०.४३
२	आंबा	१९	१०५	५५	१७९	१० X १०	१००	१.७९
३	चिक्कु	५८	०	०	५८	९ X ९	८१	०.४७
४	आवळा	३	५	०	८	६ X ६	३६	०.०३
५	फणस	७	०	०	७	८ X ८	६४	०.०४
६	कागदी लिंबू	२२	०	०	२२	५ X ५	२५	०.०६
७	सिताफळ	१३९	०	०	१३९	४ X ४	१६	०.२२
८	पेरू	२९	०	०	२९	६ X ६	३६	०.१०
९	जामुळ	२८	०	२५	५३	६ X ६	३६	०.१९
१०	चिंच	७	४०	६५०	६९७	८ X ८	६४	४.४६
११	डाळींब	५	०	०	५	४ X ४	१६	०.०१
१२	कोठ	६	०	०	६	६ X ६	३६	०.०२
१३	बोर	११	०	०	११	४ X ४	१६	०.०२
१४	गुलमोहर ८ मी	२३	५०	०	७३	८ X ८	६४	०.४७
१५	रेनट्री १० मी	१६	११०	०	१२६	८ X ८	६४	०.८१
१६	बॉटल पाम	२४१	२२	५०	३१३	५ X ५	२५	०.७८
१७	फिलोशिया पाम	१४	३	०	१७	५ X ५	२५	०.०४
१८	सप्तपर्णी	५२	४८	०	१००	८ X ८	६४	०.६४
१९	पित्त मोहर	१७	५६	०	७३	८ X ८	६४	०.४७
२०	वड	१२०	६	०	१२६	१० X १०	१००	१.२६
२१	अर्जुन	२९	२०	०	४९	८ X ८	६४	०.३१
२२	सिल्वर ओक	६	०	०	६	५ X ५	२५	०.०२
२३	काशिद	३५	३५	१०५	१७५	८ X ८	६४	१.१२
२४	सिसम	१२५	२०	०	१४५	८ X ८	६४	०.९३
२५	पिंपळ	१७	०	०	१७	८ X ८	६४	०.११
२६	फायकस	०	५०	०	५०	४ X ४	१६	०.०८
२७	बांबू	१२	०	०	१२	४ X ४	१६	०.०२
२८	करंज	३३	०	१०	१२३	८ X ८	६४	०.७९
२९	बॉटल ब्रश	१३	०	०	१९	४ X ४	१६	०.०३
३०	कडुलिंबू	२००	०	१५	२१५	६ X ६	३६	१.०६
३१	बंदाग	३०	०	०	३०	६ X ६	३६	०.११
३२	सुरु	३१	०	०	३१	६ X ६	३६	०.११
३३	अशोक	११	०	०	११	४ X ४	१६	०.१६
३४	स्पथोडिया	१	०	०	६	८ X ८	६४	०.०४
३५	कांचन (आपटी)	३३	०	१००	१३९	८ X ८	६४	०.८९
३६	सोनचाफा	५	०	०	५	४ X ४	१६	०.०१
३७	पांदरा चाफा	२१	०	०	२१	४ X ४	१६	०.०३
३८	उंबर	११	०	०	११	८ X ८	६४	०.०७
३९	निलगिरी	३४	०	०	३४	३ X ३	९	०.०३
४०	रामफळ	१४	०	०	१४	५ X ५	२५	०.०४
४१	सुवागळ	२१३	०	०	२१३	४ X ४	१६	०.३४
४२	शेवगा	१४	०	०	१४	३ X ३	९	०.०१
४३	अंजीर	२	०	०	२			
४४	पांगारा	३	०	०	३			
४५	चंदनी	७	०	०	७	४ X ४	१६	०.०१
४६	भेंडी	४	०	०	४	३ X ३	९	०.००
४७	बाभुळ	६४	०	०	६४	६ X ६	३६	०.२३
४८	भोकर	१	०	०	१			

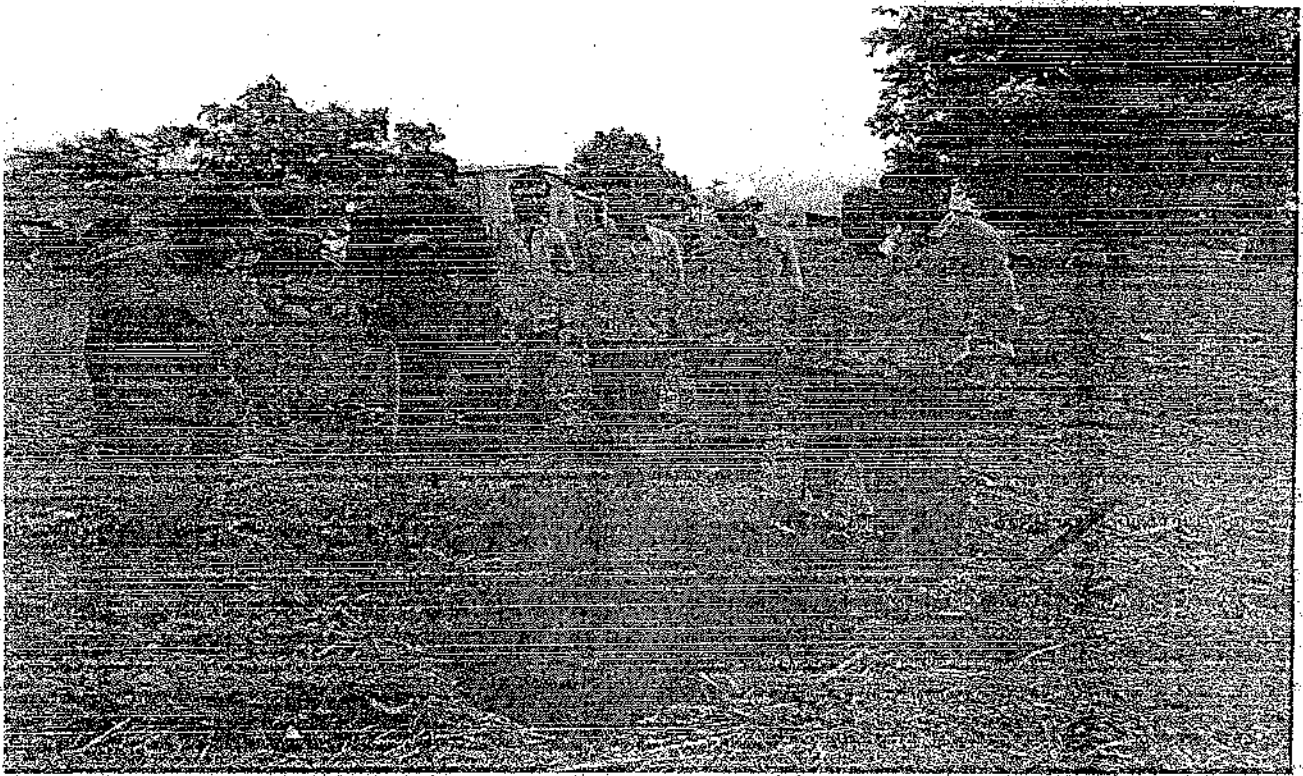
अ.क्र.	झांडाची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (स्क्वेअर मी.)	वृक्ष लागवड क्षेत्र (हे.आर)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
४९	पपई	८	०	०	८	३ X ३	९	०.०१
५०	बेल	३	०	०	३	६ X ६	३६	०.०१
५१	शेवरी	१२	०	०	१२	४ X ४	१६	०.०२
५२	देवदार	२७	०	०	२७	८ X ८	६४	०.१७
५३	हिमालया	२	०	०	२			
५४	बकवान	४	०	०	४			
५५	चेडुफळी	१	०	०	१			
५६	येहळा	२	०	०	२			
५७	पिचकारी	३६	०	०	३६	२ X २	४	०.०१
५८	सायर	५	०	०	५			
५९	करवंद	२	०	०	२			
६०	हिरडा	०	०	२५	२५	५ X ५	२५	०.०६
	एकूण	२१६३	५७०	११९५	३९२८			१९.१४
	दुशेस							
६१	जास्वंद	२८	०	०	२८	२ X २	४	०.०१
६२	तगर पांढरा	७१	०	०	७१	२ X २	४	०.०३
६३	बोगन वेल	४०२	०	०	४०२	२ X २	४	०.१६
६४	मोरपंखी	१३	०	०	१३	२ X २	४	०.०१
६५	रातराणी	३	०	०	३			
६६	प्राजता	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	२ X १.५	३	०.०३
६९	लिली	४३	०	०	४३	२ X १.५	३	०.०१
७०	क्रोटॉन	५०	०	०	५०	२ X १.५	३	०.०२
७१	गोल्डन डोरांटा	५३८	०	०	५३८	१.५ X १.५	०	०.००
७२	लॅन्टीना व्हेरीगेटेड	८५	०	०	८५	१.५ X १.५	२.२५	०.०२
७३	क्रिपरवडेलिया	१००	०	०	१००			
७४	हिमेलिया	६३	०	०	६३	१.५ X १.५	२.२५	०.०१
७५	मोगरा	१२	०	०	१२	१ X १	१	०.००
७६	आबोली	३	०	०	३			
७७	कॅलेडरा	२१२	०	०	२१२	१ X १	१	०.०२
७८	अँकलीफा	२३०	०	०	२३०	१ X १	१	०.०२
७९	डबल तगर	५८	०	०	५८	१ X १	१	०.०१
८०	ऑलिमेंडा	४१	०	०	४१	१ X १	१	०.००
८१	सावर कांडी	३०	०	०	३०	१ X १	१	०.००
८२	रेबीन ग्रास	७५	०	०	७५	१ X १	१	०.०१
८३	मंकी ग्रास	२५	०	०	२५			
८४	केना	५०	०	०	५०			
८५	एक्यालिफा	३५०	०	०	३५०	१ X १	१	०.०४
	एकूण	२०५३	०	०	२०५३			०.१९
	एकूण एकंदर	४७३७	५७०	११९५	६५०२			१९.५३

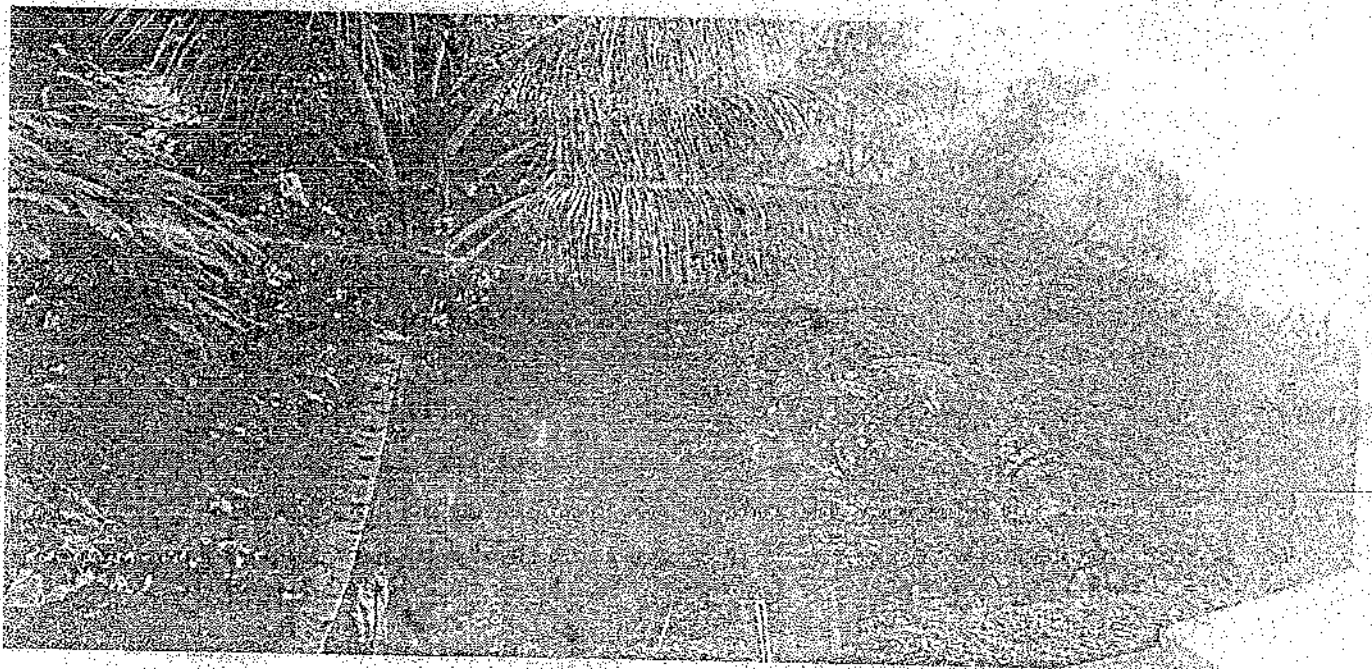
M. S. K.
मि.एस.के. अधिकारी

S. K.
मुख्य शेतकी अधिकारी

S. K.
कार्यकारी संचालक

S. K.
ग्रामलुका कृषि अधिकारी
आंबेगाव (घोडेगाव), जि.पुणे







AKANKSHA ANALYTICAL & RESEARCH LAB.

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

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

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

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

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


Prepared by
 (Ms. Monika Mohite)


Authorized Signatory
 (Mr. Anil Deobhankar)

...End of test report...



AKANKSHA ANALYTICAL & RESEARCH LAB

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

ANALYSIS REPORT FOR FUGITIVE EMISSION AIR QUALITY MONITORING		Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakar Sakhari Karkhana Ltd. Dattatraynagar, Pargaon, Village Awasari Bk, Tal. - Ambhigoon, Dist. - Pune-412 406		Report No AARL/WF/2026/63/150
		Report Date 09/02/2026
		Sampling Date AARL/WF/2026/01/150
		Sampling Date 31/01/2026
Sample Location	Near Bagasse Yard. (Fugitive sample)	Sampling Time 10:50AM
Sample Collected By	AARL	Time duration 08 Hr

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

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

REMARK, OPINION & INTERPRETATION:- * BDL-Below Detectable Limit.


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



महाराष्ट्र शासन

औद्योगिक सुरक्षा व आरोग्य संचालनालय (कामगार विभाग)

परवाना क्र :

नमूना क्रमांक ४

(नियम ६ व ८ पाहणे)

कारखान्याची नोंदणी व कारखाना चालविण्याचा संघीचा परवाना

नोंदणी क्रमांक : १२२१०१०७२१००६४६२१



कारखाने अधिनियम, १९४८ आणि त्यासंबंधी असलेले नियम यांच्या तरतुदीप्रमाणे भीमाशंकर सहकारी साखर कारखाना लीमिटेड यांना खाली वर्णन

केलेल्या जागेत कारखाना चालविण्यास परवाना देण्यात आला आहे.

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

आहे.

या परवान्याची मुदत ३१ डिसेंबर २०२६ पर्यंत आहे.

अल्क रु. - १४७००९.०० पोहोचले

दिनांक : १०-१०-२०२५

अपर संचालक

Validity unknown

Digitally Signed By SHARADA SATAPPA
HONDULE (Directorate of Industrial Safety and
Health Mumbai)
Date : 13-Oct-2025 22:06:11 IST

परवाना दिलेल्या जागेचे वर्णन

परवाना दिलेल्या कारखान्याचे

भीमाशंकर सहकारी साखर कारखाना लीमिटेड

Factory Name :
नाव :

BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD

पत्ता :

भीमाशंकर एस.एस.के. लीमिटेड, ADMINISTRATIVE BUILDING, मंचर

शिरूर रोड, दत्तात्रय नगर, दत्तात्रय नगर, अंबेगावपुणे, महाराष्ट्र, ४१२४०६

Address :

BHIMASHANKAR S.S.K LTD, ADMINISTRATIVE BUILDING, MANCHAR SHIRUR
ROAD, DATTATRAY NAGAR, DATTATRAY
NAGAR, Ambegaon, Pune, MAHARASHTRA, 412406

कलम :

२(क)(३)

औद्योगिक वर्षीकरण :

१०७२१

कारखान्याच्या इमारतीचे नकाशे दिनांक २९.०६.२०२२ च्या जायक क्रमांक PLN/४४७/१५/SLC/PRV/७७५६/१५ खाली मंजूर केले गेले आहेत.

This Certificate is digitally signed by on. 10-10-2025

टिप : हा कारखान्याची नोंदणी व कारखाना चालविण्यास परवाना आहे. हा परवाना देण्यात आल्यामुळे ज्या जागेत हा कारखाना स्थित आहे,

त्या जागेस कोणतीही वेधता आपोआप बहाल होत नाही तसेच ज्या जागेत हा कारखाना स्थित आहे ती जागा आज दिनांक वेळेस अस्तित्वात



पुण्य नगरी

शनिवार, १६ मे २०२६ पुणे



भीमाशंकर सहकारी साखर कारखाना लि.

दत्तात्रयनगर, पारगाव तर्फे अवसरी बु. ता. आंबेगाव, जि. पुणे ४१२४०६
मोबाईल क्र. ९९७५५६८२३०, ८८८८८४६९९०, ई-मेल - bsskltd@gmail.com

जाहीर सूचना

विद्यमान ६००० टीसीडी साखर कारखान्याचा १००००

टीसीडीपर्यंत प्रस्तावित विस्तार प्रकल्प

राज्य पर्यावरण प्रभाव मूल्यांकन प्राधिकरण (SEIAA), महाराष्ट्र याजकडून पत्र क्र. EC26B2506MH5844129N दिनांक १० मे २०२६ नुसार मे. भीमाशंकर सहकारी साखर कारखाना लिमिटेड - दत्तात्रयनगर, पो. पारगाव तर्फे अवसरी बु. ता. आंबेगाव, जि. पुणे याच्या विद्यमान ६००० टीसीडी साखर कारखान्याचा १०००० टीसीडीपर्यंत प्रस्तावित विस्तार प्रकल्पास पर्यावरण विषयक मंजूरी दिली आहे. सदर पर्यावरण विषयक परवानगीची प्रत महाराष्ट्र प्रदूषण नियंत्रण महळी याच्या कार्यालयामध्ये उपलब्ध आहे आणि ती पर्यावरण, सने आणि हवामान बळकटपणे याच्या <https://parivesh.nic.in> या वेबसाइटवर देखील उपलब्ध आहे.

ठिकाण : पारगाव तर्फे अवसरी बु.

कार्यकारी सचिव

WWW.FINANCIALEXPRESS.COM

FINANCIAL EXPRESS

SATURDAY, MAY 16, 2020



BHIMASHANKAR

SAHAKARI KARKHAN LTD.

Danaravhanagar, Parganah Via Awasari, Tal. Ambegaon, Dist. Solapur
Pin-431240 (Maharashtra) Phone No. (020) 75584130, 75584131
E-mail: info@bhimashankar.com, www.bhimashankar.com

PUBLIC NOTICE

**Proposed Expansion of Existing Sugar plant
from 6000 TCD to 10000 TCD**

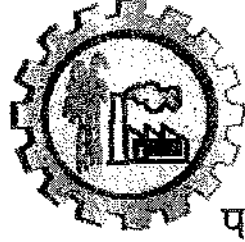
The State Environment Impact Assessment Authority (SEIAA), Maharashtra has accorded Environment Clearance vide EC-2682506/MHSE-441200 dated May 10, 2020 for Proposed Expansion of Existing Sugar plant from 6000 TCD to 10000 TCD located at Village-Danaravhanagar, Parganah Via Awasari, Tal. Ambegaon, Dist. Solapur by M/s. Bhimashankar Sahakar Karkhan Ltd.

Copy of Environment Clearance is available with Maharashtra Pollution Control Board office and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://parivesh.nic.in>

Place: Parganah Via Awasari,

Maharashtra

≡ MENU



पर्यावरण विभाग

English
Marathi

आमच्या विषयी

विभाग

यश

उत्पादने

सामाजिक उपक्रम

गॅलरी

करीयर

अहवाल

निविदा

शेतकरी पोर्टल

आमच्या विषयी

स्वतंत्र ऊस विकास विंग

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

तसेच माती आणि पाणी परीक्षण प्रयोगशाळा सुसज्ज.

19to 29 MW Co-Gen EC Com 01.07.2025 to 31.12.2025

45to 95KLPD Dist. EC Com.01.07.2025 to 31.12.2025

2500 to 6000 Sugar EC Com 01.07.2025 to 31.12.2025

19to29MW CoGen EC Com.01.01.2025to30.06.205

45to95KLPD Dist. EC Com.01.01.2025to30.06.205

2500to6000TCDSugarEC Com.01.01.2025to30.06.205 compressed

Akanksha Lab Monitoring Report Season 2024-25

Environment Statement 2024-25

On Line Montoring Report Season 2024-25

29 MW EC Com.1st Jun 2024 to 31st Dec 2024

6000 TCD EC Com.Dt.01st Jun 2024 to 31st Dec 2024

45to95 KLPD Dist.EC Com 1st Jun 2024 to 31 st Dec 2024

Environmnet Statement 2023-24

19 to 29 MW Co-Gen EC Com.(1st Jan 24 to30 June 24)

2500 to 6000 TCD Sugar EC Com (1st Jan 24 to 30 June 24)

45 to 95 KLPD Dist.EC Com. 1st Jan 24 to 30 June 24

OCEMS Report Season 2023-24 (Water & Satch)

Akanksha Lab Report Season 2023-24(Water,Air,Noise,Ground Water,Stack)

19 to 29 MW Co-Gen EC Com.01.06.2023to31.12. 2023

45 to 95 KLPD Dist.EC Com.01.06.2023 to 31.12.2023

2500 to 6000 TCDS ugar EC Com.01.06.2023 to 31.12.2023

45 to 95 KLPD Dist. EC Compl.1 Jan.2023 to 30 Jun.2023

2500 to 6000 TCD Sugar EC Compl.1 Jan.2023 to 30 Jun.2023

19 to 29 MW Co-Gen. EC Compl.1 Jan.2023 to 30 Jun.2023

Akanksha Lab Monitoring Report Season 2022-23

Environment Statement Year 2022-23

On Line Monitoring System Season 2022-23

45to95 KLPD Dist.EC Com.Dt.01.07.2022 to31.12.2022

19to29 MW Co-gen.EC Com.Dt.01.07.2022 to31.12.2022

2500 TCD to 6000 TCD EC Com Dt.01.07.2022 to 31.12.2022

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

On Line Monitoring report 2019-20

Environment 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 compliance -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.Environmental Clearance

On -Line monitoring Report Season 2018-19

6000 MT EC Complianace 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 complianace Report 2018-19

Environmental Statement (Form-V) 2018-19

जनसद दुवे

शेती टिपा

- | | |
|-----------------|---|
| > दुसकपड | > Select healthy sugar cane plants. |
| > कपाची हल्लिका | > Split the sugarcane stems into foot long pieces |
| > उभारणे | > Dig furrows in a sunny planting spot |
| > कमीकर | > Sow the furrows |
| > वेळणे | > Fertilize the sugarcane with nitrogen. |
| > मसक | > Weed the planting bed often |



Bhimashankar Sahakari Sakhar Karkhana

९ दामयद मार मरुति-114,
मिरापुरी, Pin-412-06

९ (0203)251241

✉ baskitn@gmail.com



Six monthly EC Compliance Report(2500 to 6000 TCD Sugar) 1st July 2025 to 31st Dec 2025

4 messages

BSSK <bsskltd@gmail.com>

Wed, Dec 31, 2025 at 3:26 PM

To: ecompliance-mh@gov.in, ecompliance-mh@gov.in

--
Thanks & Regards
Bhimashankar.S.S.K.Ltd

 **2500 to 6000 Sugar EC Com 01.07.2025 to 31.12.2025.pdf**
12126K

BSSK <bsskltd@gmail.com>

Wed, Dec 31, 2025 at 3:27 PM

To: cpcb@envs.nic.in

[Quoted text hidden]

 **2500 to 6000 Sugar EC Com 01.07.2025 to 31.12.2025.pdf**
12126K

BSSK <bsskltd@gmail.com>

Wed, Dec 31, 2025 at 3:28 PM

To: mah-env@nic.in

[Quoted text hidden]

 **2500 to 6000 Sugar EC Com 01.07.2025 to 31.12.2025.pdf**
12126K

BSSK <bsskltd@gmail.com>

Wed, Dec 31, 2025 at 3:29 PM

To: ropune@mpcb.gov.in, sropune2@mpcb.gov.in

Thanks & Regards
Bhimashankar.S.S.K.Ltd

 **2500 to 6000 Sugar EC Com 01.07.2025 to 31.12.2025.pdf**
12126K



AKANKSHA ANALYTICAL & RESEARCH LAB

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

NAME OF COMPANY & ADDRESS: M/s. Bhlma Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	Page 1 of 1 AL/TR/95-391/2025-26
		Report Date	08/12/2025
		Inward No	11-213
		Inward Date	29/11/2025
Sample Testing Location	Laboratory	Analysis Start date	01/12/2025
Sample Detail	well Water - Mr. Rajesh Dhobale (East side)	Analysis End date	06/12/2025
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

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

REMARK-

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

Prepared by
(Ms. Gouri Yadav)

End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



AKANKSHA ANALYTICAL & RESEARCH LAB

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

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

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

REMARK-

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

Prepared by
(Ms. Gouri Yadav)

End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)

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



AAKARSHMA ANALYTICAL & RESEARCH LAB

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

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

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

REMARK-

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

G. Yadav
Prepared by
(Ms. Gouri Yadav)

...End of test report...

Anil Deohankar
Authorized Signatory
(Mr. Anil Deohankar)



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TEST REPORT					
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.			Report No	Page 1 of 1	
			Report Date	AL/TR/95-394/2025-26	
Sample Testing Location			Inward No	11-216	
Sample Detail			Inward Date	29/11/2025	
Sample Collected By			Analysis Start date	01/12/2025	
Sample Volume			Analysis End date	06/12/2025	
			Sample Condition	Fit For Analysis	

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

REMARK-

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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
(Ms. Gouri Yadav)

End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)



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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS: M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Report No	AL/TR/95-395/2025-26	
		Report Date	08/12/2025	
		Inward No	11-217	
Sample Testing Location	Laboratory	Inward Date	29/11/2025	
Sample Detail	Spent Wash Lagoon	Analysis Start date	01/12/2025	
Sample Collected By	Party	Analysis End date	06/12/2025	
Sample Volume	2250 ml	Sample Condition	Fit For Analysis	

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

REMARK-

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

Prepared by
(Ms. Gouri Yadav)

...End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)

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 : akankshaleb2007@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/95-608/2025-26	
		Report Date	06/01/2026	
Sample Testing Location		Inward No	12-205	
		Inward Date	29/12/2025	
Sample Detail		Analysis Start date	30/12/2025	
Sample Collected By		Analysis End date	05/01/2026	
Sample Volume		Sample Condition	Fit For Analysis	

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

REMARK-

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

Prepared by
(Ms. Gouri Yadav)

...End of test report...

Authorized Signatory
(Mr. Anil Deobhankar)

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

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

REMARK-

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

Prepared by
(Ms. Gouri Yadav)

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...

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



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

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

REMARK-

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

Prepared by
(Ms. Gouri Yadav)

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...

Office and Laboratory : S. No. 613, Plot No. 5, Gangadham Phase-I, Opp. Ganga Landmark Row Houses,
Bibwewadi, 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/95-611/2025-26
		Report Date	06/01/2026
		Inward No	12-208
Sample Testing Location	Laboratory	Inward Date	29/12/2025
Sample Detail	Borewell Water - Near Hotel Arati (South West)	Analysis Start date	30/12/2025
Sample Collected By	Party	Analysis End date	05/01/2026
Sample Volume	2250 ml	Sample Condition	Fit For Analysis

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

REMARK-

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

Prepared by
(Ms. Gouri Yadav)

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...

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



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

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

REMARK-

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

Prepared by
(Ms. Gouri Yadav)

Authorized Signatory
(Mr. Anil Neobhankar)

...End of test report...



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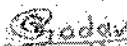
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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS:		Report No	AL/TR/95-847/2025-26	
M/s. Himma Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	09/02/2026	
Dattatraynagar, Pargaon Village-Awasari BK.Tal.-Ambegaon, Dist. - Pune-412406.		Inward No	01-203	
Sample Testing Location	Laboratory	Inward Date	21/01/2026	
Sample Detail	Well Water - Shri Sopan Jadhav(East)	Analysis Start date	02/02/2026	
Sample Collected By	Party	Analysis End date	07/02/2026	
Sample Volume	2250 ml	Sample Condition	Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-3)2021
2.	Odour		Unobjectionable	Unobjectionable	IS3025(Part-3)2018
3.	Turbidity @ 25°C	NTU	0.16	≤1.00	IS3025(Part-10)2023
4.	Conductivity	µs/cm	850.7	N.S	IS 3025 (Part 14) 2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C		7.75	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	795	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	95.45	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	328.2	≤200	IS3025(Part-23)2009(RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	385	≤200	IS3025(Part-21) 2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	69.5	≤75.0	IS3025(Part-40) 2009(RA 2024) EDTA Method
11.	Magnesium as Mg	mg/l	45.0	≤30.0	APHA 24 th Edition 2023 - 3500-Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	72.74	≤200	APHA 24 th Edition 2023 4500-B-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	75.65	≤45.0	APHA 24 th Edition 2023 4500-B-NO ₃
14.	Iron as Fe	mg/l	0.02	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E. Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARKS:

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


Prepared by
(Ms. Gouri Yadav)

...End of test report


Authorized Signatory
(Mr. Anil Deshpande)

Office and Laboratory : S. No. 613, Plot No. 5, Gangadham Phase-I, Opp. Ganga Landmark Res. Houses, Bibwewadi, Pune 411037. | Phone : 020-24240030, 08530074767 | Email : akankshalab2007@gmail.com



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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS:		Report No	AL/TR/95-848/2025-26	
M/s. Dhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	09/02/2026	
Dattatraynagar, Pargaon Village-Awasari Bk.Tal.-Ambegaon, Dist. - Pune-412406.		Inward No	01-204	
Sample Testing Location		Inward Date	31/01/2026	
Sample Detail		Analysis Start date	02/02/2026	
Sample Collected By		Analysis End date	07/02/2026	
Sample Volume		Sample Condition	Fit For Analysis	

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4):2021
2.	Odour	..	Unobjectionable	Unobjectionable	IS3025(Part-5):2010
3.	Turbidity @ 25°C	NTU	0.02	≤1.00	IS3025(Part-10):2023
4.	Conductivity	µs/cm	1365.10	N.S	IS 3025 (Part 14):2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	...	7.25	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	1025	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	223.20	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	245.8	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	559	≤200	IS3025(Part-21) 2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	138.0	≤75.0	IS3025(Part-40) 2009(RA 2024) EDTA Method
11.	Magnesium as Mg	mg/l	62.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	125.02	≤200	APHA-24 th Edition 2023 4500-E-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	92.04	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coli	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ All the test conducted at permanent location not at out source
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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and interpretation - Not applicable

Gadav
Prepared by
(Ms.Gouri Yadav)

Authorized Signatory
(Mr.Anil Deshmukhar)

...End of test report...

Office and Laboratory : S. No. 613, Plot No. 5, Gangadham Phase-I, Opp. Ganga Landmark Show 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/95-B50/2025-26
		Report Date	09/02/2026
		Inward No	01-206
		Inward Date	31/01/2026
Sample Testing Location	Laboratory	Analysis Start date	02/02/2026
Sample Detail	Borewell Water – Shri Ashok Kapadi(South)	Analysis End date	07/02/2026
Sample Collected By	Party	Sample Condition	Fit For Analysis
Sample Volume	2250 ml		

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)2021
2.	Odour	--	Unobjectionable	Unobjectionable	IS3025(Part-5)2018
3.	Turbidity@ 25°C	NTU	0.05	≤1.00	IS3025(Part-10)2023
4.	Conductivity	µs/cm	965.50	N.S	IS 3025 (Part 14):2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	---	7.60	6.5 to 8.5	IS 3025 (Part 11) 2012(RA 2022) Electrometric Method
6.	Total Dissolved Solids	mg/l	865	≤500	IS 3025 (Part 16) 2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	120.3	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	365	≤200	IS3025(Part-23)2009 (RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	348	≤200	IS3025(Part-21) 2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	89.0	≤75.0	IS3025(Part-40) 2009(RA 2024) EDTA Method
11.	Magnesium as Mg	mg/l	39.50	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	70.42	≤200	APHA-24 th Edition 2023 4500-B- SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	48.0	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1983 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1983 Reaff.2014
17.	E-Coli	MPN/100ml	Present	Absent	IS1622:1983 Reaff.2014

REMARK-

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

Prepared by
(Ms.Gouri Yadav)

Authorized Signatory
(Mr Anil Deobhakar)

...End of test report...

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



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TEST REPORT				Page 1 of 1
NAME OF COMPANY & ADDRESS:		Report No	AL/TR/95-849/2025-26	
M/s. Bhima Shankar Sahakar Sakhar Karkhana Ltd.		Report Date	09/02/2026	
Dattatrayanagar, Pargaon Village-Awasari Bk.Tal.-Ambhagaon, Dist. - Pune-412406.		Inward No	01-205	
Sample Testing Location		Laboratory	Inward Date	31/01/2026
Sample Detail		well Water - Shri.Gulab Dhobale (North)	Analysis Start date	02/02/2026
Sample Collected By		Party	Analysis End date	07/02/2026
Sample Volume		2250 ml	Sample Condition	Fit For Analysis

Sr. No.	Parameter	Unit	Result	Desirable limits as per IS:10500, 2012	Method Ref
A) PHYSICAL ANALYSIS					
1.	Colour	Hazen	BDL	≤5.00	IS3025(Part-4)2021
2.	Odour	-	Unobjectionable	Unobjectionable	IS3025(Part-5)2018
3.	Turbidity @ 25°C	NTU	0.00	≤1.00	IS3025(Part-10)2023
4.	Conductivity	µs/cm	865.31	N.S.	IS3025(Part-14)2023
B) CHEMICAL ANALYSIS					
5.	pH @ 25°C	-	7.64	6.5 to 8.5	IS3025(Part-11)2012(RA 2022) Electrode Method
6.	Total Dissolved Solids	mg/l	768	≤500	IS3025(Part-16)2012(RA 2023) Gravimetric Method
7.	Chlorides as Cl	mg/l	95.50	≤250	IS3025(Part-32)2009(RA 2025) Argentometric Method
8.	Total Alkalinity as CaCO ₃	mg/l	320.6	≤200	IS3025(Part-23)2009(RA 2023)
9.	Total Hardness as CaCO ₃	mg/l	325	≤200	IS3025(Part-21)2009(RA 2023) EDTA Titrimetric method
10.	Calcium as Ca	mg/l	66.0	≤75.0	IS3025(Part-40)2009(RA 2024) EDTA Method
11.	Magnesium as Mg	mg/l	43.0	≤30.0	APHA 24 th Edition 2023 - 3500- Mg B Calculation method
12.	Sulphate as SO ₄	mg/l	42.31	≤200	APHA-24 th Edition 2023 4500-B-SO ₄ ²⁻
13.	Nitrate as NO ₃	mg/l	48.35	≤45.0	APHA 24 th Edition 2023 4500 B - NO ₃
14.	Iron as Fe	mg/l	0.01	≤0.3	IS3025(Part-53)
C) BACTERIOLOGICAL ANALYSIS					
15.	Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
16.	Fecal Coliform	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014
17.	E- Coll	MPN/100ml	Present	Absent	IS1622:1981 Reaff.2014

REMARK-

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- ❖ Sample will be preserve for seven days after analysis.
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- ❖ All the test conducted at permanent location not at out source.
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- ❖ BDL-Below Detectable Limit.
- ❖ N.S. Not Specified
- ❖ Opinion and Interpretation - Not applicable.

Prepared By
(Ms. Gouri Yadav)

Authorized Signatory
(Mr. Anil B. Bhankar)

...End of test report...

Office and Laboratory : S. No. 613, Plot No. 5, Gangadham Phase-I, Opp. Gangadham Landmark, New Houses, Bibwewadi, Pune 411037. | Phone : 020-24240030, 08530074787 | Email : akankshalab200@gmail.com



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

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

REMARK:

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- ❖ Sample will be preserve for seven days after analysis.
- ❖ Above analysis results are related to sample as tested.
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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
(Ms.Gouri Yadav)

...End of test report...

Authorized Signatory
(Mr.Anil Drobhankar)

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

SR. NO	LOCATIONS	UNIT	RESULT	LIMITS	METHOD
A. Outside of Karkhana					
1.	Near Senior College	dB(A)	63.2	≤ 75 dB(A)	IS 9989-1981 (RA 2020)
2.	Near Petrol Pump	dB(A)	69.1		
3.	Near Hotel Arati	dB(A)	67.5		
B. Inside of Karkhana					
4.	Near Mill House	dB(A)	80.1	≤ 90 dB(A)	IS 4758:(1968)-RA 2017
5.	Near Sugar House	dB(A)	84.3		
6.	Near Boiling House	dB(A)	81.3		
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.		Validity
Sound Level Meter		AK-SLM-05	2502620		28/07/2026

REMARK, OPINION & INTERPRITATION-

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

Monika Mohite

Prepared by
(Ms. Monika Mohite)

Anil Deobhankar

Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



AKANKSHA ANALYTICAL & RESEARCH LAB

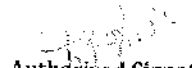
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AMBIENT & WORK ZONE NOISE LEVEL MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/92-151/2025-26	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	07/01/2026	
Dattatraynagar, Pargaon;		Inward No	AL/9-961/10/2025-26	
Village-Awasari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

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

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


Prepared by
(Ms. Monika Mohite)


Authorized Signatory
(Mr. Anil Deobhankar)

...End of test report...



AKANKSHA ANALYTICALS & RESEARCH LAB

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

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

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

REMARK, OPINION & INTERPRITATION-

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

Prepared by
(Ms. Monika Mohite)

Authorized Signatory
(Mr. Chetan Kadam)

...End of test report...



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2026

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000091540

Submitted Date

12-04-2026

PART A

Company Information

Company Name

Bhimashankar Sahakari Sakhar Karkhana Ltd.

Application UAN number

00000170265

Address

Dattatraynagar, Pargaon Tarfe Awasari Bk.

Plot no

-

Taluka

Ambegaon

Village

Pargaon Tarfe Awasari Bk.

Capital Investment (In lakhs)

31832.06

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/UAN No.MPCB-
CONSENT-0000170265/CR/2309000334

Consent Issue Date

2023-09-05

Consent Valid Upto

2026-07-31

Establishment Year

2000

Date of last environment statement submitted

Jun 8 2025 12:00:00:000AM

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

Product Information

Product Name

Sugar

Consent Quantity

21600

Actual Quantity

25775

UOM

By-product Information

By Product Name

Bagasse

Consent Quantity

46800

Actual Quantity

63840

UOM

Molasses

7200

12767

Pressmud	7200	8954	
Co-Generation	19	19	Mwh

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	1694.00	1150.00
Cooling	48.00	45.00
Domestic	96.00	52.00
All others	0.00	0.00
Total	1838.00	1247.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	817	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	0.006	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	1050115	950865	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	46800	63840	

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) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
pH	7.4	7.0	00	5.5 to 9.0	Nil

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
SPM	117	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	0.300	0.04	KL/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	3460	4320	MT/A
ETP Sludge	4	3	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	0.04	KL/A	-

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	4320	MT/A	-
ETP Sludge	3	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	6.20	490	13	1250	2.40	0.50

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

3.15

[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

0.50

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Adopt New technology for Air & Water pollution

Name & Designation

Mr. Chadrakant G.Dhage Managing Director

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000091540

Submitted On:

12-04-2026