

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA-J-11011/146/2020-IA II (I)
Compliance ID	1225174393
Compliance Number(For Tracking)	EC/M/COMPLIANCE/1225174393/2026
Reporting Year	2026
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	08-05-2026
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.

KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.,

Hupari-Yalgud 416 203, Tal.: Hatkanangale, Dist.: Kolhapur (Maharashtra)

Phone (0230) 2450402 to 06 E-mail : kprjsssk@gmail.com Website : www.kallappannaawadejawaharsssk.com

Ref. No. MFG/ETP / 855 /2026

Date: - 30 / 04/2026

To,
The Regional Officer,
MoEFCC; Western Region (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines, Nagpur – 440001.

Sub.: Submission of Six Monthly Environment Compliance report for period October 2025 to March 2026 w.r.t Sugar Unit of capacity 16,000 TCD – M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal.:Hatkanangale, Dist.: Kolhapur, Maharashtra State.

Ref.: Environmental Clearance (EC) Letter for 16000 TCD Sugar Unit F. No. F.No.IA-J-11011/146/2020-IA II (I) Dated 1st December, 2020. Ammended in EC letter dated 25/12/2021.

Dear Sir,

This has reference to Environmental Clearance (EC) granted to our Sugar Unit 12000 TCD to 16000 TCD – M/s.Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur (Maharashtra State).

As per General Condition No. XII in EC letter, we are submitting a six monthly compliance report for a period of October 2025 to March 2026.

We hope the details furnished by us are in accordance with your requirements.

Thanking you,

Yours Faithfully,



(M.G.Joshi)

Managing Director

Encl. - As above

Copy for information to:-

1. The Integrated Regional Office,
MoEFCC; Western Region (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines,
Nagpur – 440001.
Email – eccompliance-mh@gov.in
Eccompliance-mh@gov.in
2. Sh. Pratik D. Bharane,
Scientist 'F'
Central Pollution Control Board,
Pune.
Email – pratik.cpcb@gov.in
3. Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd & 4th Floor,
Opp.Cine Planet,
Near Sion Circle, Sion (E),
Mumbai (Maharashtra) - 400 022.
Email – ms@mpcb.gov.in
4. Regional Officer,
Maharashtra Pollution Control Board,
Udyog Bhavan Building,
Near Collector Office,
Kolhapur- 416 002.
Email – rokolhapur@mpcb.gov.in



F.No.IA-J-11011/146/2020- IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

By Speed Post/Online

Indira ParyavaranBhavan,
Vayu Wing, 3rd Floor, Aliganj,
JorBagh Road, New Delhi-110 003

Dated: 1st December, 2020

To

M/s JawaharShetakari SSKL
A/PHupari, Taluka Hatkanangale
District Kolhapur, Maharashtra -416203

Email: kprjsssk@gmail.com

Sub: Expansion of Sugar factory from 12,000 TCD to 16,000 TCD at Survey No. 315/7 to 315/15, A/PHupari, Taluka Hatkanangale, District Kolhapur, Maharashtra by M/s Jawahar Shetakari SSK Ltd (JSSSKL)-Environmental Clearance - reg.

Sir,

This has reference to your proposal No.IA/MH/IND2/38479/2014 dated 19th June 2020, submitting the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Expansion of Sugar factory from 12,000 TCD to 16,000 TCD by M/s Jawahar Shetakari Sahkari Sakhar Karkhana Ltd (JSSSKL) in an area of 99.57 ha located at Survey No. 315/7 to 315/15, A/P Hupari, Taluka Hatkanangale, District Kolhapur, Maharashtra.

3. The details of products and capacity as under:

Product & By-product	Quantity		
	Existing (12,000 TCD)	Expansion (4,000 TCD)	Total (16,000 TCD)
White Sugar (14.45%)	52,050	17,340	69,390
By-product			
Molasses (4%)	14,400	4,800	19,200
Bagasse (29.30%)	1,05,500	35,160	1,40,660
Press mud (4%)	14,400	4,800	19,200

4. The existing land area is 99.57 ha and the existing builtup is 23.78 ha. No additional land is required for proposed expansion. Industry has already developed greenbelt in an area of 34.39 ha and additional 4.97 ha will be developed. After expansion, the total greenbelt would be 39.37 ha which accounts for 40 % of total plot area. The estimated project cost is Rs.332.6 crores including existing investment of Rs. 298.6 crores. Total capital cost earmarked towards environmental pollution control measures under expansion is Rs. 1.10 Crores and the recurring cost (operation and maintenance) will be about Rs. 0.12 crores per annum. The project will provide employment for 1382 persons directly and indirectly after

expansion of projects. Industry proposes to allocate Rs. 5 crores towards Corporate Environmental Responsibility (CER).

5. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km from the project site. Dudhganga and Panchganga rivers flows at a distance of 4 Km in South and North direction respectively.

6. Total water requirement for sugar factory after expansion will be 5244 cum/day, which includes fresh water requirement of 328 cum/day proposed to be met from the Dudhganga river, while 4916 cum/day will be recycled cane condensate, ETP treated effluent and STP treated effluent. Permission has been obtained for lifting fresh water from the Dudhganga river by Irrigation Department Kolhapur, Govt. of Maharashtra.

Effluent of 1430 cum/day after expansion of sugar factory operations will be treated in existing ETP in the JSSSKL premises which shall be duly upgraded. As per CREP norms, 15 days storage capacity tank for treated water shall be provided on site.

Power requirement to the tune of 17 MW after expansion will be met from own Co-gen Plant. Existing unit has two DG set of capacity 515 KVA & 1320 KVA, used as standby during turbine tripping. Stack of height 6 m ARL is provided as per CPCB norms to the DG sets. Existing sugar factory unit has 20 TPH, 90 TPH & 75 TPH bagasse fired boilers. No new boiler will be installed under expansion of Sugar Factory. There are no sources of process emissions from Sugar Factory. No Hazardous Waste will be generated under expansion of Sugar Factory.

7. The project/activities are covered under category B of item 5 (j) 'Sugar Industry' of the Schedule to the Environment Impact Assessment Notification, 2006. Due to applicability of general condition (interstate boundary within 5 km), the project requires appraisal at central level by sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. The Standard terms of reference (ToR) has been issued by the Ministry vide letter No. J-11011/38/2016-IA-II (I) dated 30th March, 2019. Public hearing for the project was conducted by the State Pollution Control Board on 12th December, 2019, which was presided over by the District Magistrate. The major issues raised during public hearing are related to effluent generation & its disposal, air pollution and its management, benefits to farmers from proposed project, employment generation, working days of industry etc.

It was informed by the project proponent that a litigation pending against existing Sugar Factory under the E(P) Act 1986 and the EIA Notification 2006. A Court Case was filed by the MPCB for excess crushing happened during 2015-16 Season having court case No.R.C.C/181/18/2016. It was reported that the court case has not been concluded.

9. The Ministry has issued environmental clearance earlier vide letter No. J-11011/38/2016-IA-II (I), dated 20th December, 2016 for expansion of Sugar Factory capacity from 7,500 to 12,000 TCD and SEAC & SEIAA vide letter No.: ENV (NOC) 2005/159/CR224/TC-II dated 27.08.2007 for expansion of Sugar Factory from 5000 TCD to 7500 TCD and Cogeneration Plant from 24 to 28.5 MW to M/s Jawahar Shetkari Sakhar Karkhana Ltd. The Ministry's Regional Office at Nagpur vide letter dated 31st January, 2020 (after conducting site visit on 21st January, 2020) has forwarded the compliance status of the existing environmental clearance conditions.

10. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meetings held on 14-16 July, 2020 and **20-22 October, 2020** in the Ministry, wherein the project proponent and their accredited M/s Equinox Environments (I) Pvt Ltd presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.

11. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the MPCB has filed court case against the project proponent for increasing the cane crushing without prior permission. It was noted that final decision on the matter has not been taken by the court. The project proponent has assured before the Committee that in future they shall not increase the production without taking prior permissions from the concerned authorities. The Committee has also noted that the project proponent has committed to reduce the fresh water requirement by properly utilizing the rain water harvesting. It was brought to the notice of the Committee that the project proponent has not reduced any fresh water, and the quantity remains the same i.e 328 cum/day earlier and now.

The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data and incremental GLC due to the proposed project within NAAQ standards. The Committee has also deliberated on the public hearing issues, action plan along with activities for addressing the socio-economic issues and found to be addressing the issues in the study area. The Committee has found the additional information submitted by the project proponent to be satisfactory and addressing the issues raised by the Committee.

12. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

13. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for **Expansion of Sugar factory from 12,000 TCD to 16,000 TCD by M/s Jawahar Shetakari SSK Ltd at Survey No. 315/7 to 315/15, A/PHupari, Taluka Hatkanangale, District Kolhapur, Maharashtra (JSSSKL)**, under the

provisions of the EIA Notification, 2006, subject to the compliance offers and conditions as under:-

- (i). The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (ii). As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture and not to send outside/used for farming.
- (iii). As proposed, total fresh water requirement shall be 328 cum/day, proposed to be met from Dudhganga river. Prior permission shall be obtained from the concerned regulatory authority in this regard, and renewed from time to time.
- (iv). Occupational health centre for surveillance of the worker's 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 required safety kits/mask for personal protection.
- (v). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
- (vi). Process organic residue and spent carbon, if any, shall be sent to Cement/other suitable industries for its incinerations/management.
- (vii). Project Proponent shall reduce the quantity of effluents generation in the unit and PP shall install the effective wastewater treatment system so that Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Adequate system shall be in place for controlling the odour and mitigation measures to protect the contamination of ground/surface water.
- (viii). The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (ix). The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
- (x). As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the public hearing and socio-economic issues in the study area, the project proponent, as committed, shall provide support for clean & safe drinking water supply, non-conventional energy promotion, supply of MSW management infrastructure, medical & healthcare facilities in the nearby villages. The action plan shall be completed within five years as proposed. All the commitments made during public hearing shall be satisfactorily implemented.

- (xi). The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on fresh water from the river.
- (xii). There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.
- (xiii). Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xiv). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
- (xv). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

13.1 The grant of environmental clearance is further subject to compliance of other general conditions as under:-

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii) The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.
- (iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- (v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.
- (vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

- (viii) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration.
- (ix) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (x) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (xi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (xiv) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- (xv) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- (xvi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

14. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

15. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

16. Any appeal against this environmental clearance 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.

17. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

18. This issues with approval of the competent authority.

01/12/2020

(Dr. R. B. Lal)

Scientist 'E'/Additional Director

Tele-fax: 011-24695362

Email-rb.lal@nic.in

(डा. आर. बी. लाल)

(Dr. R. B. LAL)

वैज्ञानिक 'ई'/Scientist 'E'

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Min. of Environment, Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Copy to: -

1. The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 1
2. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 32
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Opp. Cine Planet, Sion Circle, Mumbai - 22
5. The District Collector, District Kolhapur, Maharashtra
6. Guard File/Monitoring File/Website/Record File/Parivesh portal

(Dr. R. B. Lal)

Scientist 'E'/Additional Director



सत्यमेव जयते

By Speed Post/Online

F. No. J-11011/146/2020-IA-II (I)
Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

Indira Paryavaran Bhawan,
Jal Wing, 3rd Floor, Aliganj,
Jor Bagh Road, New Delhi-110 003

Dated: 25th October, 2021

To,

M/s. Jawahar Shetakari Sahakari Sakhar Karkhana Ltd.,
Gat No.: 315/7 to 315/15, Shri Kallappanna Awadenagar,
Hupari-Yalgud, Tal.-Hatkanangale, Dist.-Kolhapur, Maharashtra

**Sub: Expansion of Sugar Factory from 12,000 TCD to 16,000 TCD,
Gat No.: 315/7 to 315/15, Shri Kallappanna Awadenagar,
Hupari-Yalgud, Tal.-Hatkanangale, Dist.-Kolhapur,
Maharashtra by M/s. Jawahar Shetakari Sahakari Sakhar
Karkhana Ltd. - Amendment in Environmental Clearance
regarding.**

Sir,

This refers to your online proposal No. IA/MH/IND2/224565/2021 dated 13th August, 2021 for amendment in the environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has considered the above proposal for amendment in the environmental clearance granted by the Ministry vide letter F. No. J-11011/146/2020-IA-II dated 01.12.2020 for the project Expansion of Sugar Factory from 12000 TCD to 16,000 TCD at Gat No.: 315/7 to 315/15, Shri Kallappanna Awadenagar, Hupari - Yalgud, Tal.-Hatkanangale, Dist.-Kolhapur, Maharashtra in favor of M/s. Jawahar Shetakari Sahakari Sakhar Karkhana Ltd.

3. The project proponent has requested for amendment in the EC with the details are as under:

3-2

Sr. No.	Para of EC issued by MoEF&CC	Details as per the EC	To be Revised / Read as	Justification/ reasons
1	Page No. 4, Point No. 13, Sub Point (ii)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/ treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated industrial effluent shall not be used for gardening/ greenbelt development/ horticulture and not to send outside/ used for farming.	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/ treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities and for gardening/ greenbelt development/ horticulture in own premises only and not to send outside/ used for farming.	<ul style="list-style-type: none"> • Subsequent to grant of EC on 01.12.2020, Industry explored feasibility towards achieving the condition stipulated in EC towards not utilizing cane condensate for watering of Green Belt in its premises during Dec. 2020 - March 2021 Crushing Season. • Despite utilizing all treated effluents & condensate in process & utilities, 35% of excess condensate remained balanced (2,250 CMD). • In ensuing season, after switching to 16,000 TCD crushing, more quantity of excess condensate will remain as non-usable balance creating onsite storage & disposal problems.

8742

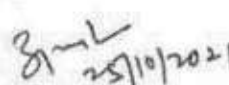
Sr. No.	Para of EC issued by MoEF&CC	Details as per the EC	To be Revised / Read as	Justification/ reasons
				<ul style="list-style-type: none"> • A sugar factory becomes water exporting unit due to water content in cane (70%) which comes out as condensate after juice heating, concentration & syrup making. For Green Belt; Fresh Water (1900 CMD) was used that put adverse impact (Negative) River water Resource.

4. During deliberation, EAC suggested that no waste or treated water shall be discharged outside the premises. PP has submitted an undertaking for the above and EAC found it in order.

5. The proposal was appraised by the Expert Appraisal Committee (Industry-2) in the Ministry in its meeting held on 28-30th September, 2021. The EAC, after detailed deliberations, recommended the amendment in EC as proposed by the project proponent. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendments in the environmental clearance dated 01st December, 2020 as stated in para 3 above, for the project **Expansion of Sugar Factory from 12,000 TCD to 16,000 TCD, Gat No.: 315/7 to 315/15, Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal.-Hatkanangale, Dist.-Kolhapur, Maharashtra by M/s. Jawahar Shetakari Sahakari Sakhar Karkhana Ltd.**

6. All other terms and conditions stipulated in the environmental clearance dated 01st December, 2020 shall remain unchanged.

7. This issues with approval of the competent authority.


 (Ashok Kr. Pateshwar)
 Director

Copy to: -

1. The Secretary, Department of Environment, Government of

- Maharashtra, Mumbai 400 032
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001 Maharashtra
 3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
 4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai - 22
 5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
 6. The District Collector, District Kolhapur, Maharashtra
 7. Guard File/Monitoring File/Parivesh portal/Record File

37-2
25/10/2021

(Ashok Kr. Pateshwary)
Director
E-mail: ak.pateshwary@gov.in
Tel. No. 24695290



सत्यमेव जयते

File No:IA -J-11011/146/2020-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 09/05/2025



To,

Shri Manohar G Joshi,
M/s Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.
Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Hupari-Yalgud, KOLHAPUR,
MAHARASHTRA, 416203
kprjssk@gmail.com

Subject: Expansion of Sugar factory from 12,000 TCD to 16,000 TCD at Survey No. 315/7 to 315/15, A/Phupari, Taluka Hatkanangale, District Kolhapur, Maharashtra by M/s Jawahar Shetkari SSK Ltd (JSSSKL) - Transfer of Environment Clearance regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND2/471654/2025 dated 19/03/2025 for grant of transfer of Environmental Clearance (EC) to the project under the provision of para 11 of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	
(ii) File No.	IA -J-11011/146/2020-IA II (I)
(iii) Clearance Type	Transfer of EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	5(j) Sugar Industry
(vi) Sector	Industrial Projects - 2
(vii) Name of Project	Transfer of Environmental Clearance from Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. to Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.
(viii) Name of Company/Organization	
(ix) Location of Project (District, State)	KOLHAPUR, MAHARASHTRA
(x) Issuing Authority	MoEF&CC
(xi) EC Date	08/04/2025
(xiii) Details of Transferee	Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. located at Hupari, Tal-

Hatkanagale, Dist- Kolhapur, Kallappanna
Awadenagar, Hupari-Yalgud,,480,27,Kagal-
Ichalkaranji Road,416203
Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Kallappanna Awadenagar,Hupari-
Yalgud,480,27,416203

(xiv) Details of Transferor

3. This has reference to your online proposal vide No. IA/MH/IND2/471654/2025 dated 19th March, 2025 regarding transfer of Environmental Clearance to the above project, from M/s Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. (JSSSKL) to M/s Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.

4. Ministry of Environment, Forests and Climate Change issued Environmental Clearance vide letter no. J-11011/146/2020-IA II (I) dated 01.12.2020 to M/s Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. (JSSSKL) for expansion of Sugar factory from 12,000 TCD to 16,000 TCD at Survey No. 315/7 to 315/15, A/Phupari, Taluka Hatkanangale, District Kolhapur, Maharashtra and its amendment dated 25.10.2021.

5. Now, the name of the company has changed from M/s Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. (JSSSKL) to M/s Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. with no change of ownership. The organisation type of both the industries i.e., M/s Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. and M/s Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. is a Multi-state Cooperative Organisation.

6. M/s Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. (JSSSKL) has submitted a copy of the NOC given by its Managing Director (Sh. M. G. Joshi) to transfer the above EC in the name of new company. Copy of the undertaking signed by the Managing Director (Sh. M. G. Joshi) of M/s Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. has been submitted to abide by the terms and conditions prescribed in the Environmental Clearance vide letter no. J-11011/146/2020-IA II (I) dated 01.12.2020 and its amendment dated 25.10.2021.

7. As per the relevant provisions of the EIA Notification, 2006, the **Environmental Clearance to the project for expansion of Sugar factory from 12,000 TCD to 16,000 TCD at Survey No. 315/7 to 315/15, A/Phupari, Taluka Hatkanangale, District Kolhapur, Maharashtra, granted by this Ministry vide letter no. J-11011/146/2020-IA II (I) dated 01.12.2020 is hereby transferred from M/s Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. (JSSSKL) to M/s Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.** on the same terms and conditions under which prior Environmental Clearance was initially granted, and for the same validity period.

8. This issues with approval of the Competent Authority.

Copy To

1. The Secretary, Department of Environment, Government of Maharashtra, Mumbai 400 032.
2. The Regional Officer, Ministry of Environment, Forest and Climate Change, Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001, Maharashtra.
3. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai – 22.
5. Compliance & Monitoring Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
6. The District Collector, District Kolhapur, Maharashtra.
7. Guard File/Monitoring File/Parivesh portal/Record File.

Send Approval Copy To (In case of multiple use comma as separator)

Kallappanna Awade Jawahar SSSK Ltd. Hupari Yalgud
 Located at, Tal.: Hatkanangale, dist.: Kolhapur Maharashtra.
 Expansion of Sugar Factory from 12,000 TCD to 16,000 TCD

Six Monthly Period: October 2025 to March 2026

Sugar Factory EC Compliance Report:

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
A	SPECIFIC CONDITIONS	
1	Condition No. I	
	The company shall comply with all the Environmental protection measures and safeguards proposed in the documents submitted to the ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	The industry is complying with all recommendations made in EIA/EMP w.r.t environmental management plan and risk mitigation measures related to the project implementation.
2	Condition No. II	
	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated industrial effluent shall not be used for gardening development/horticulture and not to send outside/used for farming. Revised Condition - As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste treated water shall be outside the premises. Treated water shall be reused in the process/utilities & for gardening/green belt development/horticulture in own premises and not to send outside/used for farming.	The total effluent generated from the sugar factory and the co-gen plant is 1430 CMD The same is treated in state of art effluent treatment plant. As per the amended EC, the treated effluent is used for gardening and the development of a green belt in its own factory premises. Moreover, STP's of capacity 100 KLD and 50 KLD has been installed on site for the treatment of domestic effluent. Monitoring Report, Flow sheet and Photographs of ETP and STP is enclosed as Annexure-I.

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
3	Condition No. III	
	As proposed, Total fresh water requirement shall be 328 cum/day, proposed to be met from Dudhganga river. Prior permission shall be obtained from the concerned regulatory authority in this regard, and renewed from time to time.	The total freshwater requirement is 328 cum/day. The same is taken from Dudhganga river for which permission has already been procured from irrigation department vide no. Kopavi (U)/Prasha3/(37)/bigarsinchan/4844/2024. Dated 01.05.2024 valid up to 30.04.2030 . Copy water lifting permission from the irrigation department is enclosed as Annexure-II .
4	Condition No. IV	
	Occupational health center for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers and employees shall be provided with required safety kits/mask for personal protection.	The company has its own well-equipped ambulance and appointed permanent drivers to provide 24 hours ambulance service to all employees. Sanitation facility is provided to all employees in industrial premises. A doctor has been appointed on industrial site to provide healthcare facility to employees. Also necessary healthcare facilities are being provided with routine health survey tests & through medical camps. Latest health check-up carried out 28.08.2026 . Reports & photographs of PHC facility are attached as Annexure-III .
5	Condition No. V	
	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	The industry is following the safety measures during manufacturing process in material handling. Fire-fighting system infrastructure comprising of fire water lines, fire hydrants, fire tender, fire extinguishers etc. at all strategic & fire prone areas in the industry, bagasse yard, molasses storage section etc. The firefighting arrangements have been provided on site as per Factories Act. Training and Mock drills are conducted for employees on safety and health aspects of chemical handling. Once in a year medical examinations is carried out. Pre-employment medical examination done for all employees dated on 29.08.2025 Training and Mock drills dated on 06.09.2025 records is enclosed as Annexure-IV .
6	Condition No. VI	
	Process organic residue and spent carbon, if any, shall be sent to Cement/other suitable industries for its incinerations/management.	This is an agro-based industry. Hence generation of hazardous waste such process organic residue and spent carbon, process inorganic & evaporation salt etc. are not generated.
7	Condition No. VII	

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	<p>Project Proponent shall reduce the quantity of effluents generation in the unit and PP shall install the effective wastewater treatment system so that Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Adequate system shall be in place for controlling the odour and mitigation measures to protect the contamination of ground/surface water.</p>	<p>The total effluent generated from sugar factory and co-gen plant is 1430 CMD The same is treated in state of art effluent treatment plant. As per amended EC, the treated effluent is used for gardening and development of green belt in own factory premises. Moreover, STPs of capacity 100 KLD and 50 KLD has been installed on site for treatment of domestic effluent. Monitoring report, Flow sheet and Photographs of ETP as well as that of STP is enclosed as Annexure-I.</p>
8	<p>Condition No. VIII</p>	
	<p>The company shall undertake waste minimization measures as below:-</p> <p>(a) Metering and control of quantities of active ingredients to minimize waste.</p> <p>(b) Reuse of by-product from the process as raw materials substitutes in order processes.</p> <p>(c) Use of automated filling to minimize spillage.</p> <p>(d) Use of Close Feed system into batch reactors.</p> <p>(e) Venting equipment through vapor recovery system.</p> <p>(f) Use of high pressures hoses for equipment clearing to reduce waste water generation.</p>	<p>The project is an agro-based industry. Sugar factory by products such as bagasse are utilized in cogeneration plants. Practices of recycling & reuse are duly followed in minimizing freshwater requirements. Molasses is transferred by closed pipelines. Waste minimization is also adopted. Bagasse is handled & fed to the boiler through the closed conveyor. ZLD of effluent is also adopted. Moreover, For trash management Vermi composting is being done on site for manure. The Photographs of Composting is Enclosed as Annexure-V.</p>
9	<p>Condition No. IX</p>	
	<p>The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.</p>	<ul style="list-style-type: none"> • A comprehensive green belt has already been developed in JSSSKL premises Total Plot area of JSSSKL is 99.57 Ha. Industry has developed a green belt on area of 39.9 Ha. where under 70,834 Nos. of trees are planted in industrial premises. • This comes to about 40% of total plot area. Native, evergreen & pollution resistant species like Silver Oak, Rain tree, Neem, Suru, Saag etc have been planted. Avenue plantation, shelter belt plantation, mass plantation & pocket plantation has been done on site.

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
		<ul style="list-style-type: none"> • Industry has complied with the condition of Tree Canopy monitoring through remote sensing map. Detailed report of the same is attached as Annexure-VI.
10	Condition No. X	
	<p>As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the public hearing and socio economic issues in the study area, the project proponent, as committed, shall provide support of clean & safe drinking water supply, non-conventional energy promotion, supply of MSW management infrastructure, medical & healthcare facilities in the nearby villages. The action plan shall be complete within five years as proposed. All the commitments made during public hearing shall be satisfactorily implemented.</p>	<p>Industry has spent Rs.542.23 Lakhs funds towards Corporate Environmental Responsibility (CER) activities till September 2025. Now industry has spent Rs. 48.71 lakhs on CER activities like Provision of Drinking Water Facilities, Drip irrigation subsidy, Medical Aid, Funding for Social Activities, Cultural Programmes & Education etc.</p>
11	Condition No. XI	
	<p>The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on fresh water from the river.</p>	<p>Rainwater harvesting is implemented on site. The rain water from rooftops & paved surface is collected in tank and the harvested rain water is used for gardening. Therefore, reducing dependency of fresh water. Photographs of Rain water harvesting is enclosed as Annexure-VII.</p>
12	Condition No. XII	
	<p>There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, And no parking to be allowed outside on public places.</p>	<p>Industry has allocated about 19.91 Ha of area for parking of bullock carts, tractors, trucks etc. carrying sugar cane to Industry from farms as well as for other vehicles transporting products like sugar & alcohol (trucks, tankers etc.) as well as parking of workers' vehicles etc. The parking is around 20% of total plot area of 99.57 Ha.</p>

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
13	Condition No. XIII	
	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	A cane yard is provided for sugar cane vehicles and other areas like bagasse yard, press mud yard & ash storage yard are also provided with proper surfacing. All internal roads and work premises is asphalted and concrete. Maintained properly to control & minimize fugitive dust emissions from the respective places. Working of pollution control equipment is monitored, proper handling; storage and disposal of dust collected, use of PPEs for staff and workers, existing green belt, water sprinkling in the premises is also done. Annexure-VIII may be referred for photographs of asphalted road.
14	Condition No. XIV	
	Continuous online (24X7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Online Continuous Monitoring System (OCMS) for stack emissions has been installed for measurement of flue gases discharge and concentration of pollutants like SPM, SO ₂ , and NO ₂ . Also, OCMS is provided for ETP. Regular monitoring is being carried out as per the norms of MPCB. The monitoring is done by NABL accredited laboratory. Moreover, all the results are transmitted to CPCB and SPCB server as well as displayed continuously on a display board at the Main Entrance Gate of the industry. Photographs of APC Equipment, OCMS (Stack and ETP) is enclosed as Annexure-IX .
15	Condition No. XV	
	A separate Environmental Management cell (having qualified person with Environmental Science/Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions	The industry has an Environmental Management Cell (EMC) functioning. Members of the EMC are well qualified and experienced in their concerned fields. A separate Environment Management cell is already established. Structure of EMC is enclosed as Annexure-X .
B	General Conditions	
1	Condition No. I	

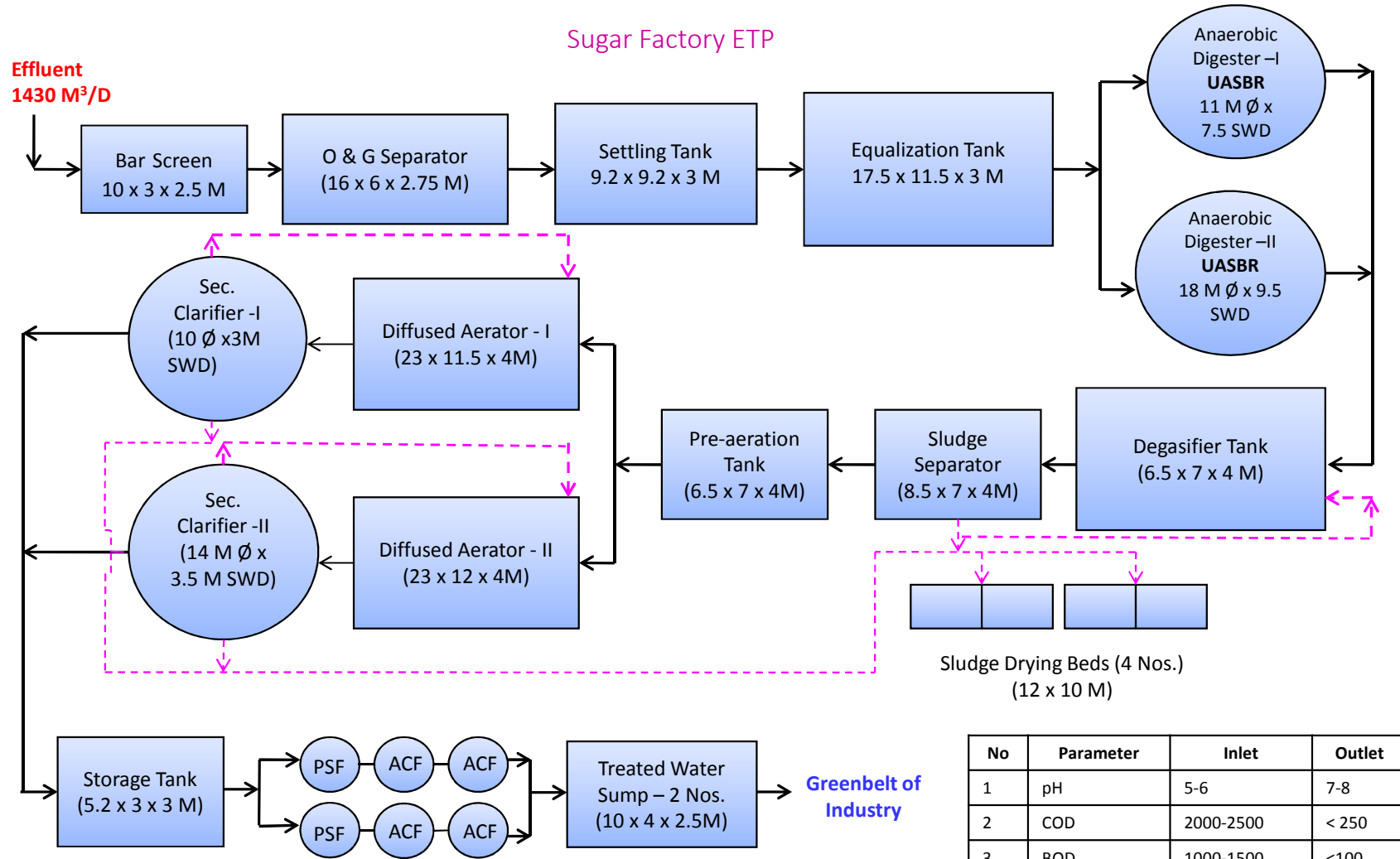
No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change/SEIAA as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	No expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC)/Department of Environment, Govt. of Maharashtra.
2	Condition No. II	
	The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.	The industry is preferring LED based lighting for energy conserving & environment betterment. Accordingly, the same are provided in the premises.
3	Condition No. III	
	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	<ul style="list-style-type: none"> • Presently, AAQM is done in Industry at 3 Locations namely - near the cane yard, near main gate, near ETP in the month of December 2025, January 2026, February 2026. Monitoring reports of the same is attached as AnnexureXI. • Also, AAQM is done in the nearby residential area- at 2 Locations namely - Downwind direction (Jangamwadi village) & upwind direction (Talandage village) on 03.02.2026 as per CPCB & SPCB norms. Monitoring reports are enclosed as Annexure-XI. • Workzone Air quality Emission monitoring has been done in crushing season of 2025-26 (from December 2025- February 2026) at locations viz. Pan Section & sugar house.
4	Condition No. IV	

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November 2009 shall be followed.</p>	<ul style="list-style-type: none"> • Presently, AAQM is done in Industry at 3 Locations namely - near the cane yard, near main gate, near ETP in the month of December 2025, January 2026, February 2026. Monitoring reports of the same is attached as Annexure-XI. • Also, AAQM is done in the nearby residential area -at 2 Locations namely - Downwind direction (Jangamwadi village) & upwind direction (Talandage village) on 03.02.2026 as per CPCB & SPCB norms. Monitoring reports are enclosed as Annexure-XI. • Workzone Air quality Emission monitoring has been done in crushing season of 2025-26 (from December 2025- February 2026) at locations viz. Pan Section & sugar house.
5	Condition No. V	
	<p>The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>Acoustic hoods are provided to noise-generating equipment. Also, PPEs are provided to workers working in noisy areas. Overall noise levels in and around the plant area are maintained within the standards prescribed under the Environment (Protection) Act, 1986, 1989 Rules. Monitoring reports are enclosed as Annexure- XII.</p>
6	Condition No. VI	
	<p>The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.</p>	<p>Rainwater harvesting is implemented on-site. The rainwater from Rooftops, Paved surfaces, and Unpaved surfaces are collected in a tank and the harvested rainwater is used for green belt.</p>
7	Condition No. VII	
	<p>Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular</p>	<p>Training sessions/workshops for employees on safety and health aspects are organized regularly. Also, medical examination is arranged for all employees once in a year. Onsite record of the same is maintained. Latest health checkup report dated 29.08.2025 to 28.08.2026 is attached as Annexure- III.</p>

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	basis. Training to all employees on handling of chemicals shall be imparted.	
8	Condition No. VIII	
	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local village and administration.	Industry has spent Rs.542.23 Lakhs funds towards Corporate Environmental Responsibility (CER) activities till September 2025. Now industry has spent Rs. 48.71 lakhs on CER activities like Provision of Drinking Water Facilities, Drip irrigation subsidy, Medical Aid, Funding for Social Activities, Cultural Programmes & Education etc. The details of latest CER activities is attached as Annexure-XIII .
9	Condition No. IX	
	The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Industry has spent Rs.542.23 Lakhs funds towards Corporate Environmental Responsibility (CER) activities till September 2025. Now industry has spent Rs. 48.71 lakhs on CER activities like Provision of Drinking Water Facilities, Drip irrigation subsidy, Medical Aid, Funding for Social Activities, Cultural Programmes & Education etc. The details of latest CER activities is attached as Annexure-XIII .
10	Condition No. X	
	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Compliance strictly followed. The company is complying with all the environmental protection measures and safeguards and implemented all the recommendations made in EIA/EMP Details are enclosed as Annexure-XIV .
11	Condition No. XI	
	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZillaParishad / Municipal Corporation, Urban	Copy of Environment Clearance Letter was submitted to Grampanchyat – Mouje Rendal & Grampanchyat – Mouje Yalgud Taluka – Hatkalangale, Kolhapur on 05.12.2020. Also industry submitted granted EC to Hupari Nagar

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	parishad & Chief Executive officer Kolhapur on 05.12.2020 . The Acknowledgement copies of same are enclosed as Annexure-XV .
12	Condition No. XII	
	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	The industry regularly submits Six Monthly Compliance Report. Latest six-monthly compliance report was submitted for period April 2025 to September 2025 on 29.11.2025. An email copy of the Acknowledgement is enclosed as Annexure-XVI . The same report is uploaded on company's website http://www.jawaharsugar.com .
13	Condition No. XIII	
	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	The environmental statement for each financial year ending 31st March in Form-V is submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, and amended subsequently. The environmental statement of year 2025 dated on 26.07.2025 is enclosed as Annexure-XVII .
14	Condition No. XIV	

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	<p>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	<p>On 05.12.2020, the industry published newspaper advertisements in two local newspapers i.e. Marathi newspaper (Tarun Bharat) and English newspaper (The Time of India) which are widely circulated in the area. The advertisement copy is attached as Annexure XVIII.</p>
15	Condition No. XV	
	<p>The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p>	<p>The date of financial closure in connection with the Industrial Project is 31stMarch.</p>
16	Condition No. XVI	
	<p>This Environmental clearance is granted subject to final outcome of Hon'ble Supreme court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.</p>	<p>Noted</p>



No	Parameter	Inlet	Outlet
1	pH	5-6	7-8
2	COD	2000-2500	< 250
3	BOD	1000-1500	<100
4	TDS	1800-2200	<2100
5	SS	250-300	<100

All parameters except pH are in mg/lit.

Photographs of Sugar Factory ETP



Sugar Factory ETP



New Equalization Tank



Treated Water Outlet Tank



Secondary Clarifier



Sludge Drying Bed

Photographs of Sugar Factory ETP



Sand & Activated Carbon Filters



OCMS (Sensor)

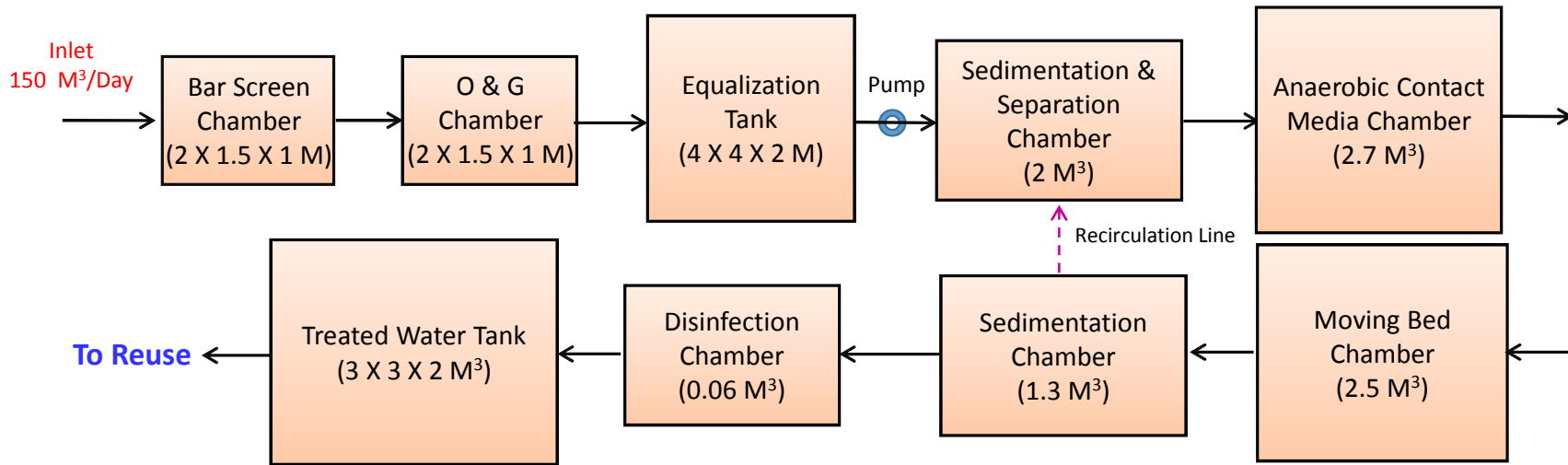


OCMS (Analyzer)



Flow Meter on Treated Effluent Pipe

Sewage Treatment Plant

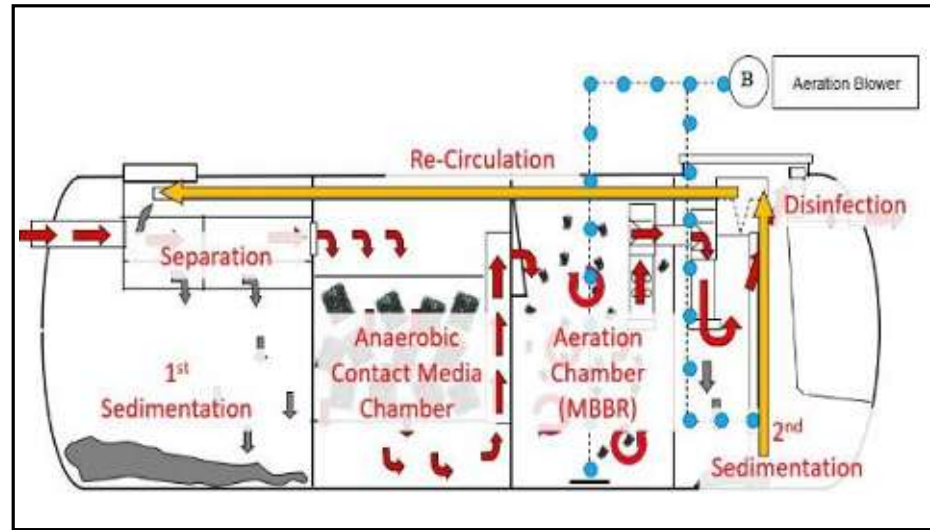


No	Parameter	Unit	Inlet	Outlet
1	pH	---	6.0 – 8.5	6.0 – 8.5
2	COD	mg/lit	400 – 500	< 50
3	BOD	mg/lit	250 – 300	< 10
4	TSS	mg/lit	150 - 250	< 30
5	O & G	mg/lit	20 - 30	< 10



- Expeditious treatment; easy maintenance
- Energy-saving
- Most updated automated manufacturing technology
- Stable high-quality FRP material

Johkasou STP Treatment Process



Unit	MOC	Process Description
Separation & Sedimentation Chamber	FRP	Suspended Solids (SS) are separated.
Anaerobic Chamber	FRP	Organic matters are anaerobically decomposed.
Moving Bed Chamber	FRP	BOD content reduced by continuous aeration.
Sedimentation Chamber	FRP	SS are settled and clear treated water is obtained.
Disinfection Chamber	FRP	Treated Water is disinfected by Disinfection agent.
Sludge Re-circulation Arrangement	-	Sludge from 2 nd Sedimentation Chamber is recirculated to the 1 st Sedimentation Chamber.

Technological Frame Work
<ul style="list-style-type: none"> • Technology approved by National Jal Jeevan Mission. • Technology Approved by CII (Confederation of Indian Industry) • No COVID-19 Trace observed in outlet water

Photographs of STP



TEST REPORT			
Test Report No: GESEC/PRO/WW/2024-2025/02/183	Report Date	17.02.2025	
Sample ID : GESEC/PRO/WW/2024-2025/02/183	Sample Details	ETP Inlet	
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	11.02.2025	
	Sample Receipt Date	12.02.2025	
	Analysis start Date	12.02.2025	
	Analysis End Date	17.02.2025	
Parameters	Results	Unit	Standard Method
pH	3.27	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	194.58	mg/lit	APHA 2540 D 23 rd Edition:2017
Total Dissolved Solids (TDS)	2651.34	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	3187.05	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	1060.75	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	562.10	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	401.93	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	16.00	mg/lit	APHA 5520 D 24 th Edition:2023
			
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By



END OF REPORT

Page 1 of 1

Terms and conditions

- The report refers only to the sample tested and does not apply to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time, etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purposes without the laboratory's written consent, GESEC.
- Samples will be retained for seven (7) days after the analysis is completed. Longer retention periods can be arranged upon the customer's request.
- We strictly maintain the confidentiality of all test results of the sample(s) collected by us/ supplied by the customer and do not reveal them to third parties unless required by the statutory or legal requirement.
- If on-site there is no proper sampling location, Source, or port available the results of testing are not challenged.
- MoEF approved Lab by Govt. of India. Till 28/02/2026 and NABL approved by the Quality Council of India. till 28/02/2026.

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)
ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-2025/02/184	Report Date	17.02.2025		
Sample ID : GESEC/PRO/WW/2024-2025/02/184	Sample Details	ETP Outlet		
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water		
	Volume Of Sample	1 Lit plastic bottle		
	Sample Status	Sealed		
	Sample Collected By	GESEC		
	Date of Sample Collection	11.02.2025		
	Sample Receipt Date	12.02.2025		
	Analysis start Date	12.02.2025		
	Analysis End Date	17.02.2025		
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.59	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	43.01	100	mg/lit	APHA 2540 D 23 rd Edition:2017
Total Dissolved Solids (TDS)	1079.5	2100	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	64.17	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	23.00	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	169.35	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO4 --	114.67	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:				
➤ BDL – Below Detectable Limit.				
➤ All parameters are within the MPCB limit.				
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TEST REPORT

Test Report No: GESEC/PRO/WW/2024-2025/02/185	Report Date	17.02.2025
Sample ID : GESEC/PRO/WW/2024-2025/02/185	Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	11.02.2025
	Sample Receipt Date	12.02.2025
	Analysis start Date	12.02.2025
	Analysis End Date	17.02.2025

Parameters	Results	Unit	Standard Method
pH	6.13	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	216.39	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1147.02	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	230.92	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	102.69	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	369.57	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	241.08	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

- BDL – Below Detectable Limit.
- All parameters are within the MPCB limit.



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TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-2025/02/186		Report Date		17.02.2025
Sample ID : GESEC/PRO/WW/2024-2025/02/186		Sample Details		Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		11.02.2025
		Sample Receipt Date		12.02.2025
		Analysis start Date		12.02.2025
		Analysis End Date		17.02.2025
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.59	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	19.63	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	725.88	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	47.16	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	16.02	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	185.36	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	160.70	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:				
➤ BDL – Below Detectable Limit.				
➤ All parameters are within the MPCB limit.				
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2024-2025/02/187	Report Date	17.02.2025	
Sample ID : GESEC/PRO/WW/2024-2025/02/187	Sample Details	Colony STP Inlet 100 KLPD	
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	11.02.2025	
	Sample Receipt Date	12.02.2025	
	Analysis start Date	12.02.2025	
	Analysis End Date	17.02.2025	
Parameters	Results	Unit	Standard Method
pH	6.25	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	196.25	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1056.47	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	202.96	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	95.11	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	352.47	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻²	221.79	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:			
<ul style="list-style-type: none"> ➤ BDL – Below Detectable Limit. ➤ All parameters are within the MPCB limit. 			
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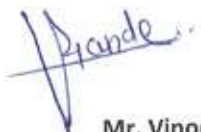
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-2025/02/188		Report Date		17.02.2025
Sample ID : GESEC/PRO/WW/2024-2025/02/188		Sample Details		Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		11.02.2025
		Sample Receipt Date		12.02.2025
		Analysis start Date		12.02.2025
		Analysis End Date		17.02.2025
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.48	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	15.64	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	699.01	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	42.37	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	15.94	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	174.68	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	135.49	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:				
➤ BDL – Below Detectable Limit.				
➤ All parameters are within the MPCB limit.				
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TEST REPORT				
Test Report No – GESEC/PRO/DW/2024-2025/02/189		Date of Reporting		17.02.2025
Sample ID - GESEC/PRO/DW/2024-2025/02/189		Sample Details		Drinking Water (Laboratory)
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).		Type of Sample		Water
		Volume Of Sample		2 Lit
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		11.02.2025
		Date of Sample received in lab		12.02.2025
		Analysis start Date		12.02.2025
		Analysis End Date		17.02.2025
WATER ANALYSIS REPORT				
Parameter	Result	Limits as per IS 10500:2012	Unit(s)	Standard Method
Physical Parameter				
Turbidity	<0.1	<1	NTU	APHA 2130 B24 th Edition:2023
TDS	105.69	<500	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Parameter				
pH	7.58	6.5 to 8.5	--	APHA 4500 H+ B 24 th Ed: 2023
Total Hardness	56.80	<200	mg/lit	APHA 2340 C 24 th Ed: 2023
Total Alkalinity	43.81	<200	mg/lit	APHA 2320 B 24 th Ed: 2023
Sulphate	3.66	<200	mg/lit	APHA 4500-SO4 - E 24 th Ed: 2023
Residual Chlorine	BDL	<0.2	mg/lit	EPA 334.0,
Chloride	10.47	<250	mg/lit	APHA 4500-Cl-B 24 th Ed: 2023
Calcium (as Ca)	15.95	<75	mg/lit	APHA 3500-Ca B 24 th Ed: 2023
Magnesium (as Mg)	4.12	<30	mg/lit	IS 3025 (Part 46):2023
Elemental Analysis				
Iron as Fe	<0.1	<0.3	mg/lit	EPA200.7
Microbiological Parameter				
Total Coliform	Absent	Absent	/100ml	APHA 9222, J, 24th Ed. 2023
E. coli.	Absent	Absent	/100ml	APHA 9222, J, 24th Ed. 2023
Remark(s):				
➤ All the above results are well within the MPCB Limit.				
➤ The above water sample is completed with the required limit as per 10500:2012 for above tested parameters.				
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TEST REPORT

Test Report No: GESEC/PRO/WW/2024-25/01/488	Report Date	21/01/2025
Sample ID : GESEC/PRO/WW/2024-25/01/488	Sample Details	ETP Inlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	15/01/2025
	Sample Receipt Date	16/01/2025
	Analysis start Date	16/01/2025
	Analysis End Date	21/01/2025

Parameters	Results	Unit	Standard Method
pH	3.44	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	165.20	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	3741.96	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	2965.11	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	1248.95	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	677.10	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	589.40	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	14.00	mg/lit	APHA 5520 D 24 th Edition:2023

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TEST REPORT

Test Report No: GESEC/PRO/WW/2024-25/01/489	Report Date	21/01/2025
Sample ID : GESEC/PRO/WW/2024-25/01/489	Sample Details	ETP Outlet
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	15/01/2025
	Sample Receipt Date	16/01/2025
	Analysis start Date	16/01/2025
	Analysis End Date	21/01/2025

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.42	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	39.63	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1245.78	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	69.10	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	25.88	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	184.63	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO4 --	125.40	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

- BDL – Below Detectable Limit.
- All parameters are within the MPCB limit.



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TEST REPORT

Test Report No: GESEC/PRO/WW/2024-25/01/490	Report Date	21/01/2025
Sample ID : GESEC/PRO/WW/2024-25/01/490	Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	15/01/2025
	Sample Receipt Date	16/01/2025
	Analysis start Date	16/01/2025
	Analysis End Date	21/01/2025

Parameters	Results	Unit	Standard Method
pH	6.25	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	136.70	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	852.11	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	148.26	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	87.07	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	289.50	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	145.20	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

➤ BDL – Below Detectable Limit.



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TEST REPORT

Test Report No: GESEC/PRO/WW/2024-25/01/491	Report Date	21/01/2025
Sample ID : GESEC/PRO/WW/2024-25/01/491	Sample Details	Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	15/01/2025
	Sample Receipt Date	16/01/2025
	Analysis start Date	16/01/2025
	Analysis End Date	21/01/2025

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.44	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	16.89	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	542.10	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	39.65	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	17.82	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	125.96	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	93.77	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

- > BDL – Below Detectable Limit.
- > All parameters are within the MPCB limit.



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TEST REPORT			
Test Report No: GESEC/PRO/WW/2024-25/01/492		Report Date	21/01/2025
Sample ID : GESEC/PRO/WW/2024-25/01/492		Sample Details	Colony STP Inlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	15/01/2025
		Sample Receipt Date	16/01/2025
		Analysis start Date	16/01/2025
		Analysis End Date	21/01/2025
Parameters	Results	Unit	Standard Method
pH	6.35	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	165.20	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1069.37	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	174.65	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	83.01	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	169.52	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	147.80	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023
Remark: ➤ BDL – Below Detectable Limit.			
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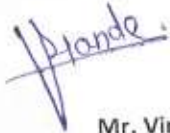


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TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-25/01/493	Report Date	21/01/2025		
Sample ID : GESEC/PRO/WW/2024-25/01/493	Sample Details	Colony STP Outlet 100 KLPD		
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water		
	Volume Of Sample	1 Lit plastic bottle		
	Sample Status	Sealed		
	Sample Collected By	GESEC		
	Date of Sample Collection	15/01/2025		
	Sample Receipt Date	16/01/2025		
	Analysis start Date	16/01/2025		
	Analysis End Date	21/01/2025		
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.52	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	19.45	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	613.03	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	45.07	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	18.96	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	143.02	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	63.85	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:				
➤ BDL – Below Detectable Limit.				
➤ All parameters are within the MPCB limit.				
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TEST REPORT

Test Report No: GESEC/PRO/WW/2024-25/12/1433	Report Date	02/01/2025
Sample ID : GESEC/PRO/WW/2024-25/12/1433	Sample Details	ETP Inlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	25/12/2024
	Sample Receipt Date	26/12/2024
	Analysis start Date	26/12/2024
	Analysis End Date	02/01/2025

Parameters	Results	Unit	Standard Method
pH	3.77	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	174.68	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	4012.39	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	3851.47	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	1456.98	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	721.04	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	632.88	mg/lit	APHA 4500-SO ₄ E 24 th Edition:2023
Oil & Grease	16.00	mg/lit	APHA 5520 D 24 th Edition:2023



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TEST REPORT

Test Report No: GESEC/PRO/WW/2024-25/12/1434	Report Date	02/01/2025
Sample ID : GESEC/PRO/WW/2024-25/12/1434	Sample Details	ETP Outlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	25/12/2024
	Sample Receipt Date	26/12/2024
	Analysis start Date	26/12/2024
	Analysis End Date	02/01/2025

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.66	6.5-8.5	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	45.81	100	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	1305.14	2100	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	77.69	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	28.41	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	196.30	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO4 --	147.88	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

- BDL – Below Detectable Limit.
- All parameters are within the MPCB limit.



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TEST REPORT			
Test Report No: GESEC/PRO/WW/2024-25/12/1435		Report Date	02/01/2025
Sample ID : GESEC/PRO/WW/2024-25/12/1435		Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	25/12/2024
		Sample Receipt Date	26/12/2024
		Analysis start Date	26/12/2024
		Analysis End Date	02/01/2025
Parameters	Results	Unit	Standard Method
pH	6.19	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	145.20	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	1102.68	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	152.04	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	96.31	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	387.93	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	174.55	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:			
> BDL – Below Detectable Limit. > All parameters are within the MPCB limit.			
			
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TEST REPORT					
Test Report No: GESEC/PRO/WW/2024-25/12/1436		Report Date		02/01/2025	
Sample ID : GESEC/PRO/WW/2024-25/12/1436		Sample Details		Factory STP Outlet 50 KLPD	
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water	
		Volume Of Sample		1 Lit plastic bottle	
		Sample Status		Sealed	
		Sample Collected By		GESEC	
		Date of Sample Collection		25/12/2024	
		Sample Receipt Date		26/12/2024	
		Analysis start Date		26/12/2024	
		Analysis End Date		02/01/2025	
Parameters	Results	MPCB LIMIT	Unit	Standard Method	
pH	7.59	6.5-8.5	--	APHA 4500 H+ B 24 th Edition:2023	
Suspended Solids (SS)	17.61	100	mg/lit	APHA 2540 D 24 th Edition:2023	
Total Dissolved Solids (TDS)	685.20	2100	mg/lit	APHA 2540 C 24 th Edition:2023	
Chemical Oxygen Demand (COD)	42.60	250	mg/lit	USEPA 410.1	
Biochemical Oxygen Demand (BOD)	18.77	100	mg/lit	USEPA NERL 405.1	
Chlorides as Cl ⁻	147.63	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023	
Sulphates as SO ₄ ²⁻	105.09	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023	
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023	
Remark:					
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2024-25/12/1437		Report Date	02/01/2025
Sample ID : GESEC/PRO/WW/2024-25/12/1437		Sample Details	Colony STP Inlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	25/12/2024
		Sample Receipt Date	26/12/2024
		Analysis start Date	26/12/2024
		Analysis End Date	02/01/2025
Parameters	Results	Unit	Standard Method
pH	6.42	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	159.63	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	1320.57	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	163.20	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	95.78	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	263.14	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	159.63	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:			
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-25/12/1438		Report Date		02/01/2025
Sample ID : GESEC/PRO/WW/2024-25/12/1438		Sample Details		Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		25/12/2024
		Sample Receipt Date		26/12/2024
		Analysis start Date		26/12/2024
		Analysis End Date		02/01/2025
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.72	6.5-8.5	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	18.69	100	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	502.36	2100	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	37.40	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	13.95	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	95.20	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	87.41	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	BDL	10	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:				
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स्वातंत्र्याचा अमृत महोत्सव

महाराष्ट्र शासन
जलसंपदा विभागमहाराष्ट्र कृष्ण खोरे विकास महामंडळ, पुणे
कोल्हापूर पाटबंधारे विभाग (उत्तर), कोल्हापूर
सिंचन भवन, ताराबाई पार्क कोल्हापूर पिन- ४१६००३ई मेल- eekidkopi@gmail.com
दूरध्वनी क्र. ०२३१-२६५४७३६
फॅक्स- ०२३१-२६५४७३५

जा.क्र.कोपावि(उ)/ प्रशा-३ / बिगरसिंचन / ०१४४/सन २०२४

दिनांक - 13 MAY 2024

प्रति,

मा. कार्यकारी संचालक,
कल्लाप्पाण्णा आवाडे जवाहर शेतकरी
सहकारी साखर कारखाना लिमिटेड
हुपरी - यळगूड ता.हातकणंगले जि.कोल्हापूर- ४१६२०३

विषय : कल्लाप्पाण्णा आवाडे जवाहर शेतकरी सहकारी साखर कारखाना लिमिटेड हुपरी - यळगूड ता.हातकणंगले जि.कोल्हापूर यांना मूळ मंजूर बिगरसिंचन पाणी आरक्षण परवान्या अंतर्गत (घरगुती + औद्योगिक) सन २०२४-२०३० या कालावधीसाठी सहा वर्षीय बिगरसिंचन करारनामा नुतनीकरण करणेबाबत.

संदर्भ: १) शासन परिपत्रक क्र. बिपापु१००१/(७१३/२००१)सिंव्य(धो)/दिनांक ११/०३/२००३
२) शासन परिपत्रक क्र. पापव-२०१५/(प्र.क्र.४००/२०१५)सिंव्य(महसूल)/दिनांक १५/१२/२०१५
३) शासन निर्णय क्र. पापव-२०१५/(प्रक्र.८८/२०१५)/सिंव्य(महसूल) दि. २१/०४/२०१६
४) महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण यांचे आदेश जा.क्र. मजनिप्र/ २०२२/ ठो.ज.प्र. आ/ २०२२/ २१२ दिनांक ३०/०३/२०२२
५) मुख्य अभियंता पुणे यांचे सुधारित ज्ञापन मु.अ.जसं/२९६/२०१७/प्रशा-७/ ५१८८ दि. ७/१२/२०१७
६) महाराष्ट्र शासन जलसंपदा विभाग, शासननिर्णय क्र.बिसिआ-२०१९/(३६५/२०१९)सिंव्य.(धो) दिनांक ०१/११/२०२३
७) आपले पत्र जा.क्र. सिव्हिल/९८३६ दिनांक ०५/०३/२०२४
८) या कार्यालयाचे पत्र जा.क्र. कोपावि (उत्तर) /प्रशा-३ / बिगरसिंचन/ ४४२०/ दिनांक ०४/४/२०२४

उपरोक्त विषयांकित प्रकरणी कल्लाप्पाण्णा आवाडे जवाहर शेतकरी सहकारी साखर कारखाना लिमिटेड हुपरी - यळगूड ता.हातकणंगले जि.कोल्हापूर या आपल्या संस्थेस दुधगंगा प्रकल्प दुधगंगा नदीवरील सुळकूड को.प. बंधा-यावरून घरगुती प्रयोजनासाठी ०.१२० दलघमी व औद्योगिक प्रयोजनासाठी ०.०४८० दलघमी असे एकूण ०.१६८० बिगरसिंचन पाणी आरक्षण मंजूर आहे.

संदर्भ क्र.७ अन्वये आपण केलेल्या विनंतीअर्जानुसार मूळ मंजूर बिगरसिंचन पाणी आरक्षण परवान्या अंतर्गत (घरगुती व औद्योगिक प्रयोजनासाठी) सन २०२४-२०३० (दि.०१/०५/२०२४ पासून दि.३०/०४/२०३०) या सहा वर्षांकरिता पाणी आरक्षण करारनामा नुतनीकरण खालील अटीच्या अधिन राहून मंजूर करणेत येत आहे.

- १) महाराष्ट्र शासनार्फत बिगरसिंचन पाणी वापराबाबत वेळोवेळी निर्गमित होणारे शासन निर्णय व मूळ मंजूर परवान्यातील अटी आपल्यावर बंधनकारक राहतील याची कृपया नोंद घ्यावी.
- २) करारनाम्याचे नुतनीकरण करणेपूर्वी शासनाचे उपरोक्त संदर्भिय पत्रामधील सर्व अटी व शर्ती बंधनकारक राहतील तसेच त्यांचे काटेकोरपणे पालन होणे महत्वाचे आहे.

- ३) मंजूर पाणी अथवा प्रत्यक्ष पाणी वापर यापैकी जे अधिक असेल त्या परिमाणाच्या प्रमाणात होणारा वहनव्यय पाणी वापर कर्त्याला सोसावयाचा आहे.
- ४) आपल्या संस्थेस एक वर्षाकरिता मंजूर करण्यात येणा-या पाणी कोट्याच्या १०० % पर्यंत वार्षिक पाणी वापराकरिता अनुज्ञेय दर आकारण्यात येईल. १००% ते १२५ % पाणी वापराकरिता अनुज्ञेय दराच्या १.५० पट दर आणि १२५% पेक्षा जास्त वापरास ३.० पट दर लागू असतील याची नोंद घ्यावी.
- ५) संदर्भ क्र.७ अन्वये कळविणेत आलेल्या सर्व अटींच्या अधिन राहून सदरचा करारनामा हा सन २०२४-२०३० (दि.०१/०५/२०२४ पासून दि.३०/०४/२०३०) करिता मंजूर करणेत येत आहे.

सोबत: मंजूर करारनामा प्रत


कार्यकारी अभियंता
कोल्हापूर पाटबंधारे विभाग(उत्तर)
कोल्हापूर.

प्रत : सहाय्यक अभियंता श्रेणी १, दुधगंगा पाटबंधारे उपविभाग, निढोरी यांना माहिती व पुढील कार्यवाहीसाठी

Photographs of Health Care Facility





FORM - 7

Company Name : KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR
KARKHANA LTD.

Cont. / Unit Name : Employee

Address : Shri Kallappanna, Yalgud, Awade Nagar, Hupari, Hatkanangale, Kolhapur, Maharashtra 416203

Valid From : (29-08-2025 To 29-08-2026)

DR. ARVIND MANE
MBBS DPH AFH.(MUMBAI)

Certifying Surgeon For Factories
Kolhapur, District. under Govt. Of Maharashtra Factories Rules.

From: { 29-08-2025 To 28-08-2026 }

MBBS DPH AFIH.(MUMBAI)

Serial No.	Works No.	Name of Worker	Sex	Age (Last birth - day)	Dept of present employment	Date of leaving or Transfer to Other	7	8	9	10	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Work state Period of Suspension with Detailed Reasons	12	13	14	15
1	1 7393	Avduth B. Pirai	Male	28		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
2	2 7326	Aavduth A. Shirke	Male	30		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
3	3 1913	Aba R. Soudalage	Male	53		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
4	4 1469	Abaykumar B. Patil	Male	51		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
5	5 7461	Abdul F. Mulla	Male	26		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
6	6 6015	Abhay A. Maygonda	Male	37		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
7	7 6005	Abhay B. Nandkar	Male	35		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
8	8 7610	Abhay D. Shemanewadi	Male	25		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
9	9 1771	Abhay Kumar B. Chougale	Male	53		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
10	10 593	Abhay Kumar N. Patil	Male	51		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
11	11 2312	Abhijeet B. Mane	Male	31		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
12	12 2401	Abhijit A. Khanapure	Male	32		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
13	13 2398	Abhijit B. Patil	Male	30		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
14	14 7276	Abhijit S. Kambale	Male	39		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
15	15 1665	Abhijit S. Kumbhar	Male	45		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
16	16 7528	Abhimanyu E. Nikam	Male	26		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
17	17 2402	Abhinandan M. Girmal	Male	33		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
18	18 2097	Abhinandan S. Kambale	Male	40		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
19	19 7524	Abhinandan T. Chougale	Male	35		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
20	20 7296	Abhishek G. Kunnure	Male	26		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
21	21 2319	Abhishek L. Desai	Male	30		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
22	22 2196	Abhishek R. Patil	Male	31		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
23	23 7493	Abhishek S. Ualshakti	Male	30		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
24	24 2228	Adagonda K. Takmare	Male	48		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
25	25 846	Adam A. Mulla	Male	53		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
26	26 7230	Adesh A. Yadav	Male	26		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
27	27 1504	Adinath B. Chougale	Male	53		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
28	28 7439	Adinath S. Alagunde	Male	24		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
29	29 1395	Adinath T. Kumbhar	Male	56		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA
30	30 7473	Aditya M. Sarnaik	Male	27		NA	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA	NA	NA

महाराष्ट्र शासन, कृषि विभाग, मुंबई
श. ACS 15-AM/2019

Serial No.	Worker's No.	Name of Worker	Sex	Age (Last birth day)	Dept of present employment	Date of leaving or transfer to other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of suspension with Detailed Reasons	Certified fit to resume duty on	with signature of	unfit or suspension issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15	
31	1631	Ajij G. Dattwade	Male	52		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
32	1484	Ajit A. Magdum	Male	55		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
33	2376	Ajit A. Mane	Male	33		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
34	1861	Ajit A. Patil	Male	50		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
35	2366	Ajit A. Patil	Male	29		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
36	1844	Ajit B. Nirwane	Male	46		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
37	878	Ajit B. Patil	Male	57		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
38	777	Ajit Dhanpal Vasvade	Male	55		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
39	590	Ajit Kumar S. Patil	Male	56		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
40	7412	Ajit R. Bandgar	Male	28		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
41	2260	Ajit S. Patil	Male	34		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
42	1870	Ajmer A. Sanadi	Male	50		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
43	1351	Akabar M. Mokashi	Male	56		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
44	7570	Akash A. Mane	Male	29		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
45	7386	Akash K. Kamate	Male	24		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
46	2338	Akbar B. Farid	Male	32		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
47	7065	Akshay A. Banole	Male	30		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
48	2378	Akshay A. Wadkar	Male	27		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
49	2258	Akshay Anil Sidnale	Male	30		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
50	12003	Akshay Kumar P. Shetake	Male	32		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
51	7577	Akshay R. Shermanewadi	Male	23		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
52	7071	Akshay U. Khot	Male	29		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
53	1868	Allab B. Naikwade	Male	46		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
54	2209	Alluddin Polad	Male	51		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
55	172	Amar B. Dinde	Male	53		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
56	1235	Amar K. Kamble	Male	45		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
57	1832	Amar Patil	Male	46		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
58	1893	Amar S. Patil	Male	45		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
59	2150	Amit A. Chougule	Male	35		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	
60	6002	Amit A. Chougule	Male	38		NA	NA			29-08-2025	FIT	NA	NA	NA	NA	

महाराष्ट्र शासन, मुंबई

35. ACS 15-AM/2016

KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD. FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI, VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

**CERTIFYING SURGEON
DR. ARVIND MANE**

From: { 29-08-2025 To 28-08-2026 } (Health Register) MBBS DPH AFH,(MUMBAI)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Serial No.	Worker No.	Name of Worker	Sex	Age (as birth day)	Dept or employment of present work	Date of leaving or transfer to other	Discharge	Nature of job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Work state Period of Suspension with Detailed Reasons	Resumed duty on with signature of	Witness or suspension issued	Date of Certifying Surgeon
61	2113	Amit A. Dange	Male	33	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
62	6006	Amit A. Khot	Male	35	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
63	7070	Amit P. Subedar	Male	32	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
64	2057	Amit R. Kulikarni	Male	35	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
65	1970	Amit S. Patil	Male	42	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
66	1838	Amijat Khan B. Mokashi	Male	45	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
67	1719	Amol A. Patil	Male	46	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
68	1683	Amol B. Herwade	Male	47	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
69	1355	Amol B. Parmaj	Male	49	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
70	1837	Amol G. Hande	Male	43	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
71	7480	Amol J. Jokare	Male	31	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
72	7108	Amol S. Deshmane	Male	28	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
73	2264	Amol S. Patil	Male	44	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
74	6029	Amol Shivgonda Patil	Male	41	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
75	873	Amrut G. Raval	Male	54	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
76	644	Ananda V. S.	Male	50	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
77	1548	Ananda R. Magdum	Male	52	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
78	1011	Ananda S. Magdum	Male	54	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
79	7486	Aniket G. Nagare	Male	26	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
80	7370	Aniket N. Chauhan	Male	26	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
81	2277	Aniket S. Shinde	Male	32	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
82	7259	Aniket Vijay. Jugle	Male	28	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
83	1709	Anil A. Patil	Male	57	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
85	1412	Anil B. Latthe	Male	58	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
86	1735	Anil B. More	Male	46	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
87	38	Anil B. Shirole	Male	52	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
88	1000	Anil B. Sutar	Male	58	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
89	7400	Anil D. Mane	Male	28	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
90	879	Anil D. Maske	Male	52	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15
91	2247	Anil D. Sutar	Male	37	-	NA	NA	-	29-08-2025	FIT	NA	NA	NA	NA	15

DR. ARVIND MANE
MBBS DPH AFH (MUMBAI)

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,XI,XII,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

From: (29-08-2025 To 28-08-2026)

(Health Register)

MBBS DPH AFH.(MUMBAI)

Serial No.	Works No.	Name of Worker	Sex	Age (last birth day)	Dept of employment of present work	Date of Leaving or Transfer to Other	Transfer of Discharge	Nature of job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Work state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	Unfitness or suspension issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
92	1915	Anil G. Koli	Male	57	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
93	819	Anil J. Chougule	Male	56	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
94	1258	Anil J. Giri	Male	48	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
95	688	Anil Natha Jadhav	Male	55	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
96	2314	Anil P. Sarvale	Male	44	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
97	2169	Anil R. Chougule	Male	48	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
98	6014	Anil R. Karave	Male	42	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
99	2352	Anil S. Kamble	Male	39	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
100	1563	Anil S. Mali	Male	58	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
101	1657	Anil V. Khule	Male	56	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
102	1406	Anil Y. Wadd	Male	59	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
103	7072	Anil Y. Thorvan	Male	29	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
104	474	Anjum J. Makandar	Male	58	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
105	76	Annappa Rama Choudhari	Male	55	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
106	6294	Annaso D. Parit	Male	59	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
107	1509	Annaso P. Giribuva	Male	51	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
108	1483	Annaso S. Hangande	Male	59	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
109	239	Annaso T. Janaj	Male	58	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
110	1930	Ansar A. Chilu	Male	45	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
111	7422	Anup S. Dattawade	Male	24	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
112	7542	Anuraj A. Patil	Male	24	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
113	1445	Appalal P. Jamadar	Male	55	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
114	860	Appaso P. Naik	Male	54	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
115	1014	Appaso R. Gawade	Male	56	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
116	1855	Appaso V. Kamble	Male	52	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
117	1240	Aran K. Patil	Male	48	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
118	7311	Arbaj K. Kalawant	Male	26	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
119	7580	Arif C. Inamdar	Male	27	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
120	1723	Arihant K. Patil	Male	55	-	NA	NA			29-08-2025	FIT	NA	NA	NA	
121	7229	Arihant Kumar Bargale	Male	28	-	NA	NA			29-08-2025	FIT	NA	NA	NA	

महाराष्ट्र शासनाचे सहायक संचालक
श. ACS 15-AM/2016

KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD. FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON
DR. ARVIND MANE

From: { 29-08-2025 To 28-08-2026 }

(Health Register)

MBBS DPH AFH.(MUMBAI)

Serial No.	Works No.	Name of Worker	Sex	Age (last birth day)	Deptor of present work	Date of leaving or Transfer to other	Transfer of Discharge	Nature of job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty or with signature of unfitness or suspended issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
154	1765	Avinash D. Suryavanshi	Male	45	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
155	2217	Avinash Jalandhar Dongale	Male	37	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
156	7591	Avinash M. Khot	Male	25	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
157	2337	Avinash M. Vasavade	Male	30	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
158	2133	Avinash P. Patankar	Male	33	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
159	1749	Avinash U. Kamble	Male	50	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
160	2396	Aviraj Y. Kangane	Male	31	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
161	1341	Ayubkhan H. Jamadar	Male	53	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
162	1478	Biru Rajaram Kavnekar	Male	52	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
163	1594	B. S. Late	Male	56	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
164	6230	Baban B. Desai	Male	59	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
165	1652	Babasaheb A. Mayyapphavar	Male	51	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
166	1524	Babasaheb A. Patil	Male	51	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
167	1931	Balasaheb B. Benurkar	Male	51	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
168	1868	Babaso A. Sanhi	Male	59	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
169	1302	Babaso B. Kadam	Male	54	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
170	2370	Babaso B. Kokaj	Male	39	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
171	342	Babaso B. Rajmane	Male	55	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
172	1494	Babaso I. Patil	Male	56	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
173	1487	Babaso Janaba Yojare	Male	53	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
174	1651	Babaso M. Mangave	Male	54	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
175	1344	Babaso M. Patil	Male	59	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
176	1753	Babaso R. Khot	Male	45	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
177	1999	Babaso R. Patil	Male	46	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
178	1680	Babaso S. Daigande	Male	49	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
179	992	Baburao A. Kamate	Male	58	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
180	1750	Baburao D. Patil	Male	55	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
181	1598	Baburao V. Patil	Male	59	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
182	7089	Bahubali A. Girmal	Male	32	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA
183	1790	Bahubali M. Kaste	Male	45	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	NA

DR. ARVIND MANE
MBBS DPH AFH (MUMBAI)

KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD. FORM NO. 7

CERTIFYING SURGEON

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XII,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

DR. ARVIND MANE

From: { 29-08-2025 To 28-08-2026 }

(Health Register)

MBBS DPH AFH. (MUMBAI)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Serial No.	Works No.	Name of Worker	Sex	Age (Last birth - day)	Dept of employment of present work	Date of leaving or Transfer to other	Transfer of Discharge	Nature of job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Work, state Period of Suspension with Detailed Reasons	Carried fit to resume duty on with signature of	Witness or suspension issued	Date of Certifying Surgeon
184	2348	Bajirao B. Patil	Male	50	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
185	1453	Bajirao M. Dongale	Male	51	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
186	1742	Balasaheb A. Ningure	Male	53	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
187	509	Balasaheb Appasaheb Tonne	Male	58	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
188	611	Balasaheb Y. Malaba	Male	57	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
189	786	Balaso A. Gotkhinde	Male	50	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
190	2110	Balaso A. Khot	Male	32	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
191	1604	Balaso A. More	Male	49	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
192	2417	Balaso B. Kudache	Male	60	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
193	1752	Balaso B. Mardane	Male	37	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
194	2084	Balaso D. Chougule	Male	50	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
195	245	Balaso J. Sasane	Male	59	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
196	7513	Balaso K. Karyappa	Male	26	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
197	1713	Balaso R. Patil	Male	49	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
198	963	Balaso T. Kumbhojho	Male	59	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
199	1040	Balaso T. Suryawanshi	Male	58	-	NA	NA	NA	29-08-2025	FIT	NA	NA	NA	15	
200	984	Balaso V. Naik	Male	50	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
201	1091	Balawant A. Patil	Male	59	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
202	2039	Balgonda D. Patil	Male	38	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
203	1807	Balgonda S. Patil	Male	52	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
204	703	Baliram D. Salunkhe	Male	54	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
205	1659	Balkrishna S. Khot	Male	44	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
206	1037	Balkrushmu K. Chougule	Male	58	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
207	954	Balu S. Mail	Male	58	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
208	868	Banda R. Hegaje	Male	52	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
209	173	Bapu H. Manyalekar	Male	58	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
210	1725	Bapuso D. Vani	Male	52	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
211	1769	Bhagwan V. Panari	Male	45	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
212	1266	Bhaichandra N. Shambushati	Male	54	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	
213	1433	Bharat A. Madbhawe	Male	55	-	NA	NA	NA	30-08-2025	FIT	NA	NA	NA	15	

कावेरीयु निदेशकरीत
 प्राधिकृत प्रमाणकमत्यधिकारीत
 No. ACS 15-AM/2016

Serial No.	Works No.	Name of Worker	Sex	Age (last birth - day)	Dept of employment of present work	Date of leaving of Transfer to Other	Transfer of Discharge	Nature of job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	Unfitness or suspension issued	Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
214	1631	Bharat B. Salunkhe	Male	53	-	NA	NA			30-08-2025	FIT	NA	NA	NA	15
215	1845	Bharat D. Magdum	Male	53	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
216	6004	Bharat J. Chougule	Male	46	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
217	7569	Bharat K. Khot	Male	23	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
218	606	Bharat M. Bhagaje	Male	57	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
219	1831	Bharat N. Machhare	Male	47	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
220	2051	Bharat R. Patil	Male	54	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
221	1754	Bharat S. Ghunake	Male	45	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
222	1857	Bharat V. Patil	Male	45	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
223	681	Bhausahab A. Patil	Male	54	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
224	7106	Bhausahab B. Dhanger	Male	26	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
225	35	Bhausahab N. Shendage	Male	56	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
226	1369	Bhauso D. Chougule	Male	58	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
227	230	Bhauso Dongare	Male	55	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
228	7602	Bhimgonda R. Hejage	Male	27	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
229	656	Bhimrao D. Khot	Male	51	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
230	1671	Bhimrao J. Patil	Male	59	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
231	957	Bhimrao M. Jadhav	Male	52	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
232	2066	Bhimrao M. Vajantri	Male	55	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
233	621	Bhimrao S. Parit	Male	53	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
234	852	Bhupal M. Sathe	Male	48	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
235	305	Bingandhola Baittha	Male	55	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
236	7217	Bira R. Dugane	Male	52	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
237	1562	Biru B. Gavade	Male	59	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
238	1312	Biru D. Galatge	Male	50	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
239	1590	Biru S. Mudhale	Male	54	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
240	2045	Bradhaman S. Israna	Male	42	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
241	7287	Brishab R. Magdum	Male	26	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
242	6001	Brishav R. Aakkole	Male	38	-	NA	NA			30-08-2025	FIT	NA	NA	NA	
243	1730	Buima P. Kurali	Male	43	-	NA	NA			30-08-2025	FIT	NA	NA	NA	

आर्य समाज मंत्रालय, मुंबई
 डॉ. अ. सी. 15-AM/2016

KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD. FORM NO. 7

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

CERTIFYING SURGEON
DR. ARVIND MANE

From: { 29-08-2025 To 28-08-2026 }

(Health Register)

MBBS DPH AFIH.(MUMBAI)

Serial No.	Worker No.	Name of Worker	Sex	Age (Last birth day)	Dept of present work	Employment of present work	Date of leaving or Transfer to Other	7	8	9	10	11	12	13	14	15
							Transfer or Discharge	Nature of job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on	with signature of	unfitness or suspension issued	Signature with Date of Certifying Surgeon
972	1232	Sunil R. Patil	Male	55	-		NA	NA	NA	03-09-2025	FIT	NA	NA	NA	NA	15
973	880	Sunil S. Herwade	Male	52	-		NA	NA	NA	03-09-2025	FIT	NA	NA	NA	NA	
974	990	Sunil S. Pawar	Male	56	-		NA	NA	NA	03-09-2025	FIT	NA	NA	NA	NA	
975	1569	Sunil S. Shetaker	Male	55	-		NA	NA	NA	03-09-2025	FIT	NA	NA	NA	NA	
976	675	Sunil S. Shinde	Male	55	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
977	469	Sunil V. Kadam	Male	52	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
978	39	Sunil Vinyak Mane	Male	53	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
979	6028	Suraj D. Narwade	Male	33	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
980	6642	Suraj D. Patil	Male	33	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
981	7082	Suraj K. Makandar	Male	29	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
982	7115	Suraj K. Shemnewadi	Male	27	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
983	1978	Suraj M. Kalavant	Male	39	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
984	7508	Suraj N. Kurane	Male	25	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
985	7301	Suraj P. Awate	Male	27	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
986	2361	Suraj S. Ratnade	Male	32	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
987	2170	Suraj Shirdhone	Male	32	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
988	7241	Suraj T. Ingale	Male	28	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
989	435	Suresh A. Desai	Male	56	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
990	387	Suresh B. Hanbar	Male	58	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
991	1402	Suresh B. Pasare	Male	60	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
992	1953	Suresh B. Patil	Male	53	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
993	648	Suresh B. Salokhe	Male	48	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
994	6016	Suresh G. Mane	Male	41	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
995	1260	Suresh J. Parit	Male	52	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
996	687	Suresh K. Chougale	Male	53	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
997	1833	Suresh M. Sulkude	Male	48	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
998	2243	Suresh R. Bhanwade	Male	31	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
999	1426	Suresh S. Koravi	Male	50	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
1000	1821	Suresh S. Powar	Male	46	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	
1001	2268	Suresh T. Gourai	Male	51	-		NA	NA	NA	04-09-2025	FIT	NA	NA	NA	NA	

अभिज्ञान साधक/अभिज्ञानिका

DR. ACS 15-AUG-2016

Serial No.	Works No.	Name of Worker	Sex	Age (last birth - day)	Deployed employment of present work	Date of leaving or transfer to other	Transfer of Discharge	Nature of Job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Work state Period of suspension with Detailed Reasons	Certified fit to resume duty on with signature of	Fitness or suspension issued	Signature with Date of Certifying Surgeon
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1002	1271	Suryaji N. Patil	Male	48 -		NA	NA			04-09-2025	FIT	NA	NA	NA	15
1003	652	Suryappa B. Bhanase	Male	50 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1004	7224	Sushant A. Patil	Male	31 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1005	7522	Sushant B. Girmal	Male	27 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1006	7430	Sushant B. Malliade	Male	27 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1007	7467	Sushant S. Nagave	Male	26 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1008	2335	Sushant S. Patil	Male	36 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1009	7294	Sushant S. Sidnak	Male	31 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1010	1727	Sushil Kumar S. Upadya	Male	48 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1011	2249	Swagat S. Chougule	Male	28 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1012	2040	Swapnil B. Chougule	Male	38 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1013	2358	Swapnil Baban Kiminge	Male	33 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1014	2208	Swapnil V. Khot	Male	33 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1015	2368	Tabreje N. Attar	Male	30 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1016	1567	Tanaji D. Jog	Male	58 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1017	2379	Tanaji G. Jakhale	Male	44 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1018	1955	Tanaji P. Bhore	Male	54 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1019	1358	Tanaji R. Patil	Male	53 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1020	1455	Tanaji S. Fadtare	Male	51 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1021	375	Tanaji S. Kamate	Male	58 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1022	1394	Tanaji S. Patole	Male	56 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1023	1599	Tanaji S. Walage	Male	54 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1024	2081	Tatoba J. Kumbhoje	Male	59 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1025	2061	Tatyasaheb A. Sangwade	Male	55 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1026	967	Tukaram D. Patil	Male	55 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1027	1967	Tukaram M. Chavan	Male	42 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1028	7300	Tushar B. Patil	Male	26 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1029	6038	Tushar S. Nikam	Male	33 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1030	2205	Tushar V. Kumbhar	Male	31 -		NA	NA			04-09-2025	FIT	NA	NA	NA	
1031	396	Uday A. Ainepure	Male	56 -		NA	NA			04-09-2025	FIT	NA	NA	NA	

DR. ARVIND MANE
MBBS DPH AFH, (MUMBAI)

DATE: 29-08-2025
TIME: 11:30 AM

OFFICE: KARKHANA

NO. ACS 15-A/W/2019

KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD. FORM NO. 7

CERTIFYING SURGEON
DR. ARVIND MANE

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

From: (29-08-2025 To 28-08-2026) (Health Register)

MBBS DPH AFIIH.(MUMBAI)

Serial No.	Works No.	Name of Worker	Sex	Age (last birth day)	Dept of employment of present work	Date of Leaving or Transfer to Other	7	8	9	10	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state Period of suspension with Detailed Reasons	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1032	733	Uday B. Chougule	Male	55	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	15
1033	937	Uday M. Kadam	Male	59	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1034	1729	Umesh A. Chougule	Male	50	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1035	1278	Umesh B. Mane	Male	49	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1036	1900	Umesh J. Kamble	Male	45	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1037	903	Umesh V. Ajari	Male	52	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1038	2246	Upendra S. Chauhan	Male	52	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1039	737	Usman M. Shaikh	Male	54	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1040	1828	Uttam D. Parit	Male	51	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1041	7450	Uttam J. Nagawkar	Male	26	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1042	2355	Uttam K. Khot	Male	35	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1043	1949	Uttam K. Koli	Male	51	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1044	6067	Uttam M. Koli	Male	41	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1045	1241	Uttam S. Borgave	Male	38	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1046	1583	Uttam S. Mangale	Male	55	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1047	1409	Uttam V. Shete	Male	54	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1048	2128	Vaibhav B. Patil	Male	35	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1049	7357	Vaibhav D. Patil	Male	27	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1050	2281	Vaibhav Ligade	Male	26	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1051	2285	Vaibhav Mane	Male	28	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1052	7252	Vaibhav S. Jog	Male	28	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1053	7404	Vaibhav S. Mirje	Male	27	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1054	7550	Vanktesh S. Mudhale	Male	22	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1055	2367	Vasant D. Patil	Male	48	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1056	1435	Vasant S. Dhule	Male	57	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1057	1766	Veer Kumar B. Aitawade	Male	46	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1058	1051	Vidyasagar D. Gudale	Male	53	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1059	1786	Vijay A. Hasure	Male	50	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1060	1869	Vijay A. Koli	Male	47	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA
1061	1466	Vijay B. Desai	Male	52	-	NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	NA	NA

DR. ARVIND MANE
MBBS DPH AFIIH (MUMBAI)
Date: 15-08-2025
Signature with Date of Certifying Surgeon

प. ACS 15-08-2025

KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD. FORM NO. 7

CERTIFYING SURGEON

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,XI,XII,XIII,XIV,XV,XVII,XVIII & XX to Rule 114)

DR. ARVIND MANE

From: { 29-08-2025 To 28-08-2026 }

(Health Register)

MBBS DPH AFH.(MUMBAI)

Serial No.	Works No.	Name of Worker	Sex	Age (last birth day)	Dept of employment	work of present	Date of Leaving or Transfer to Other	7	8	9	10	11	12	13	14	15	
							Transfer to Other	Discharge	Nature of job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	work, state period of Suspension with Detailed Reasons	Certified fit to resume duty or with signature of	unfitness or suspension issued	Signature with Date of Certifying Surgeon	
1	2	3	4	5	6												
1062	987	Vijay B. Hande	Male	54			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	15
1063	1889	Vijay B. Magdum	Male	48			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1064	467	Vijay J. Utture	Male	59			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1065	1784	Vijay K. Kamble	Male	50			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1066	972	Vijay M. Ghatage	Male	52			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1067	2147	Vijay Mane	Male	45			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1068	1803	Vijay P. Kane	Male	50			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1069	755	Vijay R. Dangare	Male	58			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1070	7552	Vijay S. Kumbhar	Male	24			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1072	1764	Vijay V. Ketkale	Male	46			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1073	1739	Vijaykumar A. Patil	Male	45			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1074	7500	Vikas B. Pujari	Male	26			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1075	2364	Vikas K. Shrivane	Male	29			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1076	2018	Vikas P. Parawate	Male	40			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1077	2174	Vikas S. Kavade	Male	45			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1078	7413	Vikram B. Hegade	Male	39			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1079	906	Vikram D. Jadhav	Male	55			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1080	660	Vilas B. Raut	Male	56			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1081	1393	Vilas D. Kamble	Male	54			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1082	1552	Vilas G. Tayshate	Male	58			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1083	2184	Vilas J. Patil	Male	56			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1084	1327	Vilas Jadhav	Male	55			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1085	1255	Vilas N. Kamble	Male	52			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1086	7299	Vinayak B. Pujari	Male	28			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1087	7551	Vinayak R. Patil	Male	23			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1088	7555	Vinayak S. Khot	Male	24			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1090	568	Vinil Kumar B.Chougule	Male	55			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1091	1242	Vinod K. Kamble	Male	38			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1092	7462	Vinod S. Jog	Male	24			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	
1093	16557	Vinod V. Khot	Male	45			NA	NA	NA		04-09-2025	FIT	NA	NA	NA	NA	

DR. ARVIND MANE

DR. ACS 15-AW/2018

KALLAPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD. FORM NO. 7

CERTIFYING SURGEON
DR. ARVIND MANE

(See Rule 18 (7) and schedules II,III,IV,VI,VIII,X,XI,XIII,XIV,XV,XVII,XVIII & XX to Rule 11(4))

From: { 29-08-2025 To 28-08-2026 }

(Health Register)

MBBS DPH AFH. (MUMBAI)

Serial No.	Worker No.	Name of Worker	Sex	Age (Last birth - day)	Deployed employment of present work	6	7	8	9	10	11	12	13	14	15
							Date of leaving or transfer to other	Transfer of Discharge	Nature of job or Occupation	Raw Material or by Product Handled	Date of Medical Examination by Certifying Surgeon	Result of Medical Examination	Work, state Period of Suspension with Detailed Reasons	Certified fit to resume duty on with signature of	Signature with Date of Certifying Surgeon
1	2	3	4	5	6										
1094	7280	Vishal A. Chavan	Male	29	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1095	7088	Vishal B. Ualshatti	Male	30	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1096	7257	Vishal J. Kamble	Male	30	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1097	2293	Vishal L. Waghena	Male	31	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1098	7078	Vishal S. Nirmale	Male	28	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1099	7495	Vishal U. Jog	Male	25	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1100	7074	Vishnu N. Khot	Male	28	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1101	1345	Vishnu S. Sath	Male	50	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1102	7185	Vishwajit V. Kamble	Male	25	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1103	52	Vishwas L. Patil	Male	55	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1104	875	Vithal B. Solankar	Male	59	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1105	943	Vithal G. More	Male	59	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1106	7596	Vitthal K. Patil	Male	26	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1107	2316	Vivek G. Kamble	Male	27	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1108	1836	Vivek S. Kamble	Male	48	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1109	2276	Yashwant K. Jadhav	Male	44	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1110	2416	Yashwant R. Bugade	Male	59	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1111	7576	Yogesh B. Khot	Male	24	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1112	7431	Yogesh J. Katkole	Male	29	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1113	2002	Yogesh L. Waingade	Male	42	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1114	7617	Yogesh S. Siddhgonda	Male	22	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1115	7316	Yogesh S. Sutar	Male	27	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1116	-	Yugandhar L. Patil	Male	25	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1117	6017	Yuvraj A. Bhosale	Male	32	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1118	2029	Yuvraj A. Dhunake	Male	36	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1119	2186	Yuvraj A. Khade	Male	46	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1120	2112	Yuvraj B. Kumbhar	Male	36	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1121	1940	Yuvraj B. Patil	Male	43	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1122	1514	Yuvraj J. Gaikwad	Male	50	-		NA	NA			04-09-2025	FIT	NA	NA	NA
1123	622	Yuvraj R. Kumbhar	Male	49	-		NA	NA			04-09-2025	FIT	NA	NA	NA

महाराष्ट्र शासनाचे खासगी रुग्णालयांसाठी
१५-०९-२०१६

१५-०९-२०१६

Photographs of firefighting arrangements



Photographs of Mock Drills



कल्लाप्पाण्णा आवाडे जवाहर शेतकरी सहकारी साखर कारखाना लि.,

हुपरी-यळगूड ४१६ २०३, ता.हातकणंगले, जि.कोल्हापूर (महाराष्ट्र)

फोन नं.(०२३०) २४५०४०२, फॅक्स नं. (०२३०) २४५०४०१

E-mail : kprjssk@gmail.com

जा.क्र.:लेबर/ ४९६४/२०२५-२०२६

दिनांक : ०६ सप्टेंबर, २०२५.

प्रती,

मा. सह-संचालकसो,
औद्योगिक सुरक्षा व आरोग्य संचालनालय,
रघुकूल, सुभाष रोड,
शिवाजी उद्यमनगर,
कोल्हापूर - ४१६ ०१२.
E-mail : jddish.kol-mah@gov.in

विषय : मॉकड्रिलच्या अहवालाबाबत.

महोदय,

वरील संदर्भीय विषयास अनुसरुन आपल्या कारखान्यातील कारखान्यातील स्टोअर विभागाच्या पूर्वेस असलेल्या दरवाजा जवळ वेल्डींगचे काम करत असतांना आग लागलेचे प्रात्यक्षिक दिनांक २६ ऑगष्ट, २०२५ ई. रोजी अपघात व्यवस्थापनेची रंगीत तालीम (मॉकड्रिल) घेणेत आली. सदर अपघात व्यवस्थापन रंगीत तालीमचा (मॉकड्रिल) अहवाल सोबत जोडून पाठवित आहोत. तरी त्याची आपल्या दफ्तरी नोंद घेणेत यावी, ही नम्र विनंती.

कळावे,

आपला विश्वासू,



(विकास शि. कवडे)

जनरल मॅनेजर (टेक्नि.) अॅण्ड फॅक्टरी मॅनेजर

सोबत : मॉकड्रिलचा अहवाल.

कल्लाप्पाणा आवाडे जवाहर शेतकरी सहकारी साखर कारखाना लि.,

हुपरी-यळगूड ४१६ २०३, ता.हातकणंगले, जि.कोल्हापूर (महाराष्ट्र)

फोन नं.(०२३०) २४५०४०२, फॅक्स नं. (०२३०) २४५०४०१

E-mail : kprissk@gmail.com

मॉकड्रिल रिपोर्ट ऑगस्ट, २०२५



कल्लाप्पाण्णा आवाडे जवाहर शेतकरी सहकारी साखर कारखाना लि.,

हुपरी-यळगूड ४१६ २०३, ता.हातकणंगले, जि.कोल्हापूर (महाराष्ट्र)

फोन नं.(०२३०) २४५०४०२, फॅक्स नं. (०२३०) २४५०४०१

E-mail : kprjsssk@gmail.com

मॉकड्रिल रिपोर्ट

अ. नं.	संबंधित बाब	तपशिल																
१.	मॉकड्रिलचा विषय	कारखान्यातील स्टोअर विभागाच्या पूर्वेस असलेल्या दरवाजा जवळ वेल्डींगचे काम करत असतांना आग लागलेचे प्रात्यक्षिक.																
२.	मॉकड्रिलचा प्रकार	फायर ड्रिल																
३.	आयोजक	इंजिनिअरींग व सुरक्षा विभाग																
४.	मॉकड्रिलचे वेळापत्रक	दि.२६-०८-२०२५, वेळ सकाळी ११-१५ ते दु.१२-००																
५.	स्थळ	स्टोअर विभागाच्या बिल्डींग जवळ.																
६.	घटनेचे वर्णन	कारखान्यातील स्टोअर विभागाच्या पूर्व बाजूस असलेल्या दरवाजाजवळ वेल्डींगचे काम चालु असतांना वेल्डींगचे स्पॉट पडून जवळ असलेल्या कॉटन वेस्टच्या ढिगाऱ्या जवळ आग लागल्याचे घटना घडली. आग लागताच कामाजवळ असलेले वेल्डर श्री. अनिल जयसिंग गिरी व श्री. आप्पासो कांबळे यांनी आरडा-ओरडा चालु केला. त्या ठिकाणी तत्क्षणी आजु-बाजूचे कामगार एकत्रित आले. सदर घटनेची कल्पना त्वरीत सुरक्षा अधिकरी श्री. संजिवन वासमकर व सेफ्टी ऑफीसर श्री. कैवल्य शास्त्री यांना देण्यांत आली. लागलेल्या आगेवर नियंत्रण मिळाविण्यासाठी त्वरीत हालचाली चालु करण्यांत आल्या व इमर्जन्सी कंट्रोल रुममध्ये या संदर्भात सुचना करण्यांत आली. त्यानंतर त्वरीतच इमर्जन्सी रेस्क्यू टीम व इतर फायर फायटर टीम यांनी आगेवर नियंत्रण मिळाविण्यांत यश मिळविले. प्रात्यक्षिक पूर्ण झालेनंतर श्री. संजिवन वासमकर व श्री. कैवल्य शास्त्री यांचेकडून कामगारांना मार्गदर्शन करण्यांत आले.																
६.	दुर्घटनेचे संभाव्य धोके	<table border="1"> <tr> <td>सामाजिक परिणाम</td> <td>नाही</td> </tr> <tr> <td>मालमत्तेचे नुकसान</td> <td>होय.</td> </tr> <tr> <td>पर्यावरणाचे नुकसान</td> <td>होय.</td> </tr> <tr> <td>पायाभुत सुविधांचे नुकसान</td> <td>होय.</td> </tr> <tr> <td>व्यवसायावरील परिणाम</td> <td>होय.</td> </tr> <tr> <td>शारिरीक धोके</td> <td>संभाव्य स्वरुपात.</td> </tr> <tr> <td>मानसिक परिणाम</td> <td>आहे.</td> </tr> </table>	सामाजिक परिणाम	नाही	मालमत्तेचे नुकसान	होय.	पर्यावरणाचे नुकसान	होय.	पायाभुत सुविधांचे नुकसान	होय.	व्यवसायावरील परिणाम	होय.	शारिरीक धोके	संभाव्य स्वरुपात.	मानसिक परिणाम	आहे.		
सामाजिक परिणाम	नाही																	
मालमत्तेचे नुकसान	होय.																	
पर्यावरणाचे नुकसान	होय.																	
पायाभुत सुविधांचे नुकसान	होय.																	
व्यवसायावरील परिणाम	होय.																	
शारिरीक धोके	संभाव्य स्वरुपात.																	
मानसिक परिणाम	आहे.																	
७.	ग्रुप व टीम	<table border="1"> <tr> <td>फायर फायटींग टीम :</td> <td>श्री. संदीप गुरव</td> </tr> <tr> <td></td> <td>श्री. तात्यासाहेब आप्णा सांगवडे</td> </tr> <tr> <td></td> <td>श्री. महावीर पुरंदर नेजे</td> </tr> <tr> <td></td> <td>श्री. संजिव गणपती निंबाळकर</td> </tr> <tr> <td>फायर पिकेट टीम :</td> <td>श्री. कृष्णात आनंदा माळी</td> </tr> <tr> <td></td> <td>श्री. दत्तात्रय विष्णु तुरंबे</td> </tr> <tr> <td></td> <td>श्री. सचिन आनंदा कांबळे</td> </tr> <tr> <td></td> <td>श्री. गंगाधर शामराव आदमाने</td> </tr> </table>	फायर फायटींग टीम :	श्री. संदीप गुरव		श्री. तात्यासाहेब आप्णा सांगवडे		श्री. महावीर पुरंदर नेजे		श्री. संजिव गणपती निंबाळकर	फायर पिकेट टीम :	श्री. कृष्णात आनंदा माळी		श्री. दत्तात्रय विष्णु तुरंबे		श्री. सचिन आनंदा कांबळे		श्री. गंगाधर शामराव आदमाने
फायर फायटींग टीम :	श्री. संदीप गुरव																	
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अ. नं.	संबंधित बाब	तपशिल	
		सालव्हेज टीम :	श्री. दिलीप पांडूरंग सुतार श्री. राजेंद्र पुंडलिक जमदाडे श्री. अमोल सिध्दु पाटील श्री. विजयकुमार रामचंद्र पाटील
		रिझर्व्ह टीम :	श्री. सुभाष धोंडीराम बत्ते श्री. शिवाजी सद्दु मुधाळे श्री. भरत रामचंद्र पाटील श्री. गौतम धोंडीबा कांबळे
		सुपरवायझर	श्री. संजिवनकुमार वासमकर श्री. हारुन बाळासो नाईवकडी श्री. शरद आण्णाप्पा कांबळे श्री. हिंदुराव निवृत्ती पाटील
८.	वापरलेल्या तंत्र व पध्दती	फायर फायटींग ऑपरेशन्स	रेसक्यु ऑपरेशन्स
		फायर पिकेट ऑपरेशन्स	रिझर्व्ह ऑपरेशन्स
		सालव्हेज ऑपरेशन्स	
९.	सभासदांची नांवे	तानाजी शं. वाळके, प्रकाश संतु पाटील, काकासो स. तिकुटे, सुकूमर खंडू कांबळे, आदिनाथ चौगुले, विशाल भा. वलशेडी, अर्जुन मा. भातमारे, सचिन महावीर आकुर्डे, संदीप संभाजी चोपडे, सचिन अ. बरगाले, कल्पेश कृ. कापसे	
१०.	वापरलेले इक्विमेंट्स, टुल्स व मटेरियल	वैयक्ति सुरक्षा उपकरणे	अपातकालीन ध्वज
		सॅण्ड बकेट	सायरन
		आग्निशमन यंत्र	लोकरीचे कापड
		आग्निशामक वाहन	विल्हेवाट लावण्यासाठी व मटेरियल वेगळे करण्यासाठी वापरात येणारी यंत्रसामुग्री
		रुग्णवाहिका	

घटनेसंदर्भात वेळेचे परिमाणात्मक विश्लेषण :

अ. क्र.	घटनाक्रम	घटनेची वेळ	प्रतिसादाचा कालावधी
१.	दुर्घटना घडलेची वेळ	११-१५ वा.	
२.	सुरक्षा विभागाला दुर्घटना घडलेल्याचे कळविले	११-१७ वा.	२ मिनिट
३.	सायरन वाजवून सर्व कामगारांना दुर्घनेविषयी सावधतेचा ईशारा दिला	११-१९ वा	२ मिनिट
४.	सेफ्टी ऑफिसर सुरक्षा विभागातील कर्मचाऱ्यांसह घटना स्थळी पोहोचले	११-२३ वा.	४ मिनिट
५.	फायर ब्रिगेड घटनास्थळी पोहोचले	११-२७ वा.	४ मिनिट
६.	रुग्णवाहिका घटना स्थळी पोहोचली	११-३० वा.	७ मिनिट
७.	आग विझविण्याचे काम सुरु झाले	११-२९ वा.	२ मिनिट
८.	दुर्घटना पिडीताला रेसक्यु टीमने सुरक्षित बाहेर काढले.	११-३३ वा.	३ मिनिट

अ. क्र.	घटनाक्रम	घटनेची वेळ	प्रतिसादाचा कालावधी
९.	आग विजविषयाचे काम पूर्ण झाले व परिस्थिती नियंत्रणात आली.	११-३५ वा.	६ मिनिट
१०.	रुग्णवाहिका पिडीताला घेऊन कारखान्याच्या रुग्णालयात घेऊन पोहोचली	११-३६ वा.	३ मिनिट
११.	पिडीताला योग्य ते उपचार देणेत आले	११-४२ वा.	६ मिनिट
१२.	सर्व कर्मचाऱ्यांना सुरक्षिततेविषयी सुचना व योग्य ते मार्गदर्शन करण्यांत आले	११-५२ वा.	१० मिनिट
१३.	मॉकड्रिल पूर्ण झाल्याची घोषणा अधिकृत अधिकाऱ्यांच्याकडून करण्यांत आली	१२-०० वा.	८ मिनिट

मॉकड्रिल मुल्यांकन पत्रिका :

अ. क्र.	मुल्यांकनाचे मुद्दे	NA	YES	NO	शेरा
१.	सर्व सहभागी झालेल्या कर्मचाऱ्यांना घटनेच्या संभाव्य धोक्याविषयी कल्पना होती का ?		✓		--
२.	प्रत्येक संघातील सहभागी सभासदांना घटनेविषयीच्या त्यांच्या जबाबदारीची पूर्व कल्पना होती का ?		✓		--
३.	सर्व कर्मचारी व सभासद यांना घटनेच्या दरम्यान वापरावयाच्या सुरक्षिततेच्या पध्दती व तंत्र यांची माहिती पूर्वीपासून दिली होती का ?		✓		--
४.	घटनेच्या दरम्यान सुरक्षा विभागातील कोणत्याही कर्मचाऱ्यांमध्ये शारिरीक त्रुटी आढळून आली आहे का ?			✓	--
५.	घटनेच्या दरम्यान सुरक्षा विभागातील कोणत्याही कर्मचाऱ्यांमध्ये मानसिक त्रुटी आढळून आली आहे का ?			✓	--
६.	सर्व उपकरणे व सुरक्षा साधणे हे घटनेच्या वेळेस त्यांच्या योग्य ठिकाणी उपलब्ध झाले का ?		✓		
७.	सर्व उपकरणे व सुरक्षा साधणे हे व्यवस्थित काम करत होते का ?		✓		--
८.	एखाद्या सुरक्षा उपकरणामध्ये अथवा साधनांमध्ये बदल करावयाची गरज आहे का ?			✓	--
९.	घटना स्थळी असे कोणते मटेरियल होते का ज्यामुळे धोक्याची तिवर्ता वाढू शकेल		✓		आग लागलेल्या ठिकाणी स्टोअरमधील विविध कन्ड्युमेबल मटेरियल होते, परंतु साल्वेज टीमने सदरचे मटेरियल वेळेत सुरक्षित ठिकाणी बाजूला करून घेतले.

अ. क्र.	मुल्यांकनाचे मुद्दे	NA	YES	NO	शेरा
१०.	अशा प्रकारचे मटेरियल घटना स्थळा पासून दूर सुरक्षिततेच्या ठिकाणी वेगळे करून ठेवण्यांत आले का ?		✓		होय
११.	घटनेच्या दरम्यान अमलात आणलेली अशी कोणती पध्दती आहे का ज्यामध्ये कालानुरूप व परिस्थितीप्रमाणे बदल करावयची गरज आहे ?			✓	--
१२.	संदेश व दळणवळणाच्या कोणत्याही पध्दतीमध्ये त्रुटी जाणवली आहे का ?			✓	--
१३.	संबंधित घटनेमध्ये कोणत्या प्रकारचे असामान्य अपातकालीन परिस्थिती उद्भवण्याची शक्यता आहे का ?	✓			--
१४.	अशा पध्दतीची असामान्य अपातकालीन शक्यता लक्षात घेऊन त्या पध्दतीचे नियोजन करण्यांत आले आहे का ?	✓			--

निरीक्षण व अनुमान :

- १) आग लागलेल्या ठिकाणी कर्टींग व वेल्डींगचे काम करण्यापूर्वी सभोवतालच्या परिसरातील कॉटन वेस्ट व इतर घन कचरा स्वच्छ करून कामाच्या ठिकाणापासून दूर करणे गरजेचे आहे.
- २) वेल्डींगचे अथवा कर्टींगचे काम चालू करण्यापूर्वी सुरक्षिततेच्या दृष्टीने सदरचा परिसर पाण्याने भिजवून घेणे आवश्यक आहे.
- ३) रुग्णवाहिकेपर्यंत रुग्णाला घेऊन जाण्यासाठी स्ट्रेचरचा वापर करण्यांत आला नाही.

करावयाचे सुधारात्मक उपाय :

- १) वेल्डींगचे अथवा कर्टींगचे काम चालू करण्यापूर्वी होस पाईपच्या मदतीने किंवा फायर टेंडरच्या मदतीने सदरचा परिसर पाण्याने भिजवून घेणे व कोणत्याही ठिकाणी स्पार्क पडून आग लागणार नाही याची दक्षता घेणे.
- २) वेल्डींगचे अथवा कर्टींगचे काम चालू करण्यापूर्वी सदर परिसराची सुरक्षिततेच्या दृष्टीने योग्य ती स्वच्छता करून घेण्यासाठी चेक लिस्ट तयार करणे व त्याप्रमाणे कामाची अंमलबजावणी होते किंवा नाही याची पडताळणी करणे गरजेचे आहे.
- ३) कोणत्याही रुग्णाला रुग्णवाहिकेपर्यंत पोहोचविण्यासाठी स्ट्रेचरचा वापर करणे बंधनकारक आहे.

दिनांक : २६-०८-२०२५

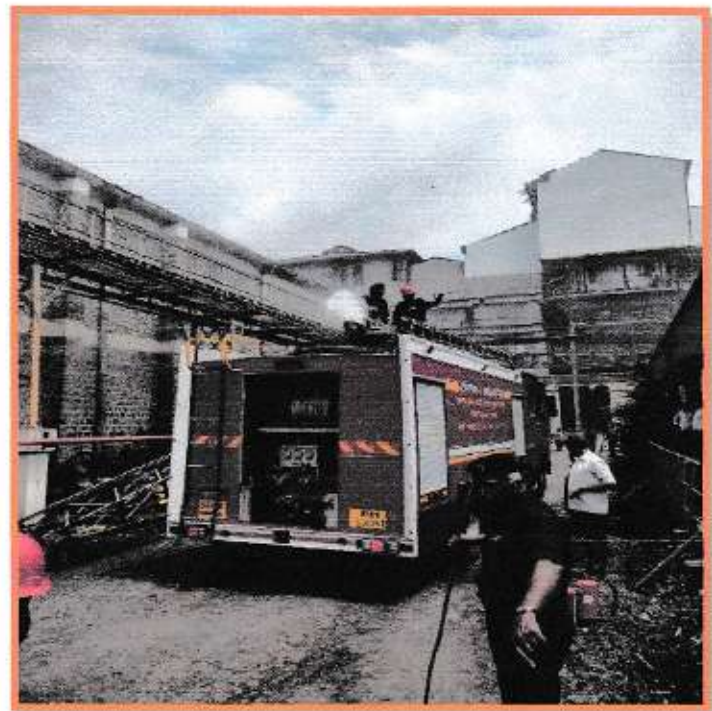
वेळ : दु.२-०० वा.

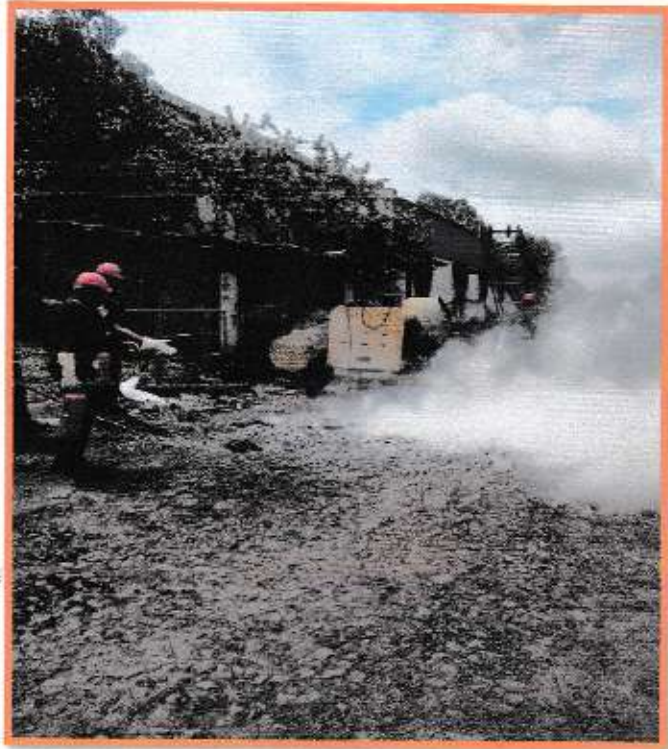


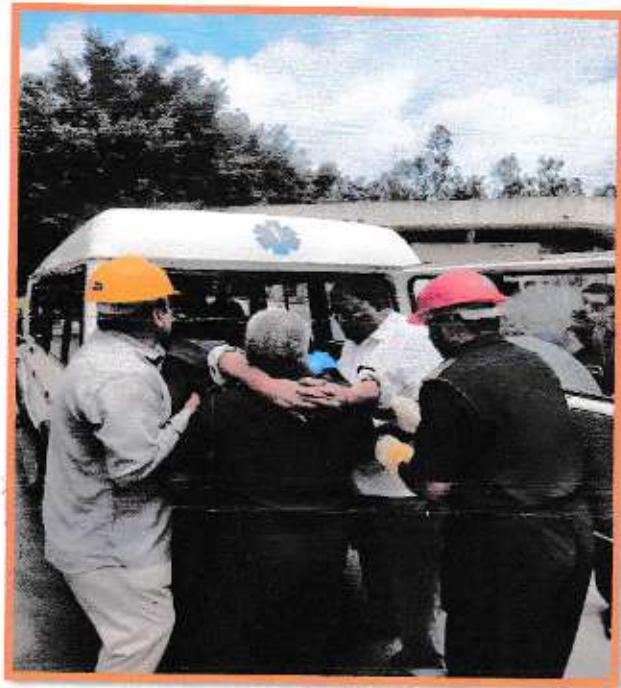
अनिल क. वलशेट्टी
मॅनेजर (एच.आर.)

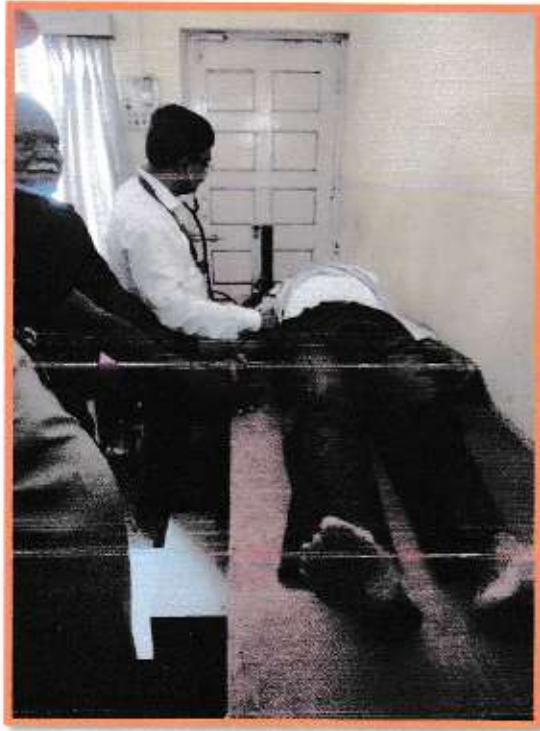


विकास शि. कवडे
जनरल मॅनेजर (टेक्नि.) अॅण्ड फॅक्टर मॅनेजर









Photographs of Vermicomposting



Existing Green Belt



Existing Green Belt



Existing Green Belt



Existing Green Belt



Existing Green Belt



KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.,
Hupari -Yalgud,416203, Tal-Hatkanangale, Dist- Kolhapur.(Maharastra)

Date: 31/03/2026

Karkhana site Tree Plantation Details

Sr.No	Particulars	Nos of Tree
A	Fruit Plant	
1.	Coconut	603
2.	Mango	350
3.	Chikku	156
	Total	1109
B	Forest Tree	
1.	Rain Tree	3700
2.	Cassia	1752
3.	Chinch	78
4.	Kadaumb	17
5.	Subabhul	830
6.	Badam	46
7.	Saptparni	32
8.	Chandan	45
9.	Sag	14
10.	Suru	1000
11.	Nimb & Others	3798
12.	Tubobia	12
13.	Palas	14
14.	Gorham Chinch	558
15.	Silver Oak	2000
16.	Spathodia	36
17.	Wad	70
18.	Pimpal	125
19.	Nile Mohar	42
20.	Bahawa	140
21.	Gulmohar	409
22.	Kanchan	133
23.	Nilgiri	3930
24.	Umber	62
25.	Phanas	15
26.	Bel	05
27.	Australian babul	300
30.	Gul bhendi	507
31.	Karanj	2839
32.	Jambhul	100
33.	Paletoforum	250
34.	Bambu	30634
35.	Katesawar	320
	Total	53843

Sr.No	Particulars	Nos of Plant
C	Decorative Tree	
1.	Bottal Palm	90
2.	Ashoka	703
3.	Thuja	10
4.	Ficus	82
5.	Boganwel	1440
6.	Exora	21
7.	Chapha	53
8.	Areka Palm	4316
9.	Konokarpus	925
	Total	7640
D	Flower Tree	
1.	Rose	200
2.	Other Flower Tree	4726
3.	Pots Tree	306
4.	Kaneri	2670
5.	Shankasur	340
	Total	8242

Total Summary of tree plantation-		
A	Fruit Tree	1109
B	Forest Tree	53843
C	Decorative Tree	7640
D	Flower Tree	8242
	Total Tree Plantation	70834


General Manager (Cane)
EL

A Brief Report on
GREEN COVER ASSESSMENT
through

Canopy Mapping and Tree Census Study
Of

Jawahar Shetakari Sahakari Sakhar Karkhana Ltd. (JSSKL) ,
Shri Kallappa Anna Awadenagar, Hupari - Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur, MS.



Prepared By



Equinox Environments (I) Pvt. Ltd.

Environmental, Civil & Chemical Engineers, Consultants and Analysts, Kolhapur (MS)

QCI- NABET & ISO 9001 : 2015 Accredited Organization

Email : eia@equinoxenvi.com, projects@equinoxenvi.com

August 2023

Preamble

Green Cover is nothing but the above ground biomass in the form of vegetation at any area. Trees are amongst the most significant element of any landscape, both due to biomass and diversity and are important sinks for atmospheric carbon i.e., carbon dioxide, since 50% of their standing biomass is carbon itself. Industrial advancement has resulted in the emission of carbon in the ecosystem and there is an urgent need to address environmental issues related to them. Therefore, green belts are recommended for containment of air pollution in human environment, especially in Industrial and urban areas. Green belt as a back-up to technological pollution abatement measures, could substantially reduce pollution hazard; where green plants form a surface capable of sorbing air pollutants and forming sinks for pollutants. Leaves with their vast area in a tree crown, sorbs pollutants on their surface and often incorporate in metabolic stream, thus effectively reduce their concentrations in the ambient air and the air gets purified. Plants grown in such a way as to function as pollutant sinks especially carbon sequesters, are collectively referred to as green belts.

Tree Crown or Canopy, is the proportion of the area covered by the vertical projection of the tree crowns. In biology, the canopy is the aboveground portion of a tree, plant or crop, formed by the collection of individual crowns. Canopy cover is the layer formed by the branches and crowns of plants or trees. The cover can be continuous, as in primary forests, or discontinuous; with gaps, as in orchards. Canopy cover is measured as the proportion of a fixed area of the ground covered by tree crowns. The canopy cover will be determined by the tree species, as they have different crown sizes, shapes, and heights.

Early observations of canopies were made from the ground using binoculars or by examining fallen material. In some cases, unconventional methods such as chairs suspended on vines or hot-air dirigibles were used. Further, adapted mountaineering gear, has made canopy observation significantly easier and more accurate, allowed for longer and more collaborative work, and broadened the scope of canopy study. Now, the modern technology and instruments has made the measurements in the field easy and are affordable, portable, and handheld. There are many methods to measure canopy cover and accurate mapping and monitoring canopy cover using Drone Survey data is the best alternative way for satellite data. Drone photography and digital analysis uses the fisheye lens approach and

produces the most accurate measurements. It is suitable for tree level measurements of crown architecture, dimensions and density. Canopy cover density classes maps are the area-based parameter where the percentage of canopy cover of trees were computed based on the crown area of trees within the industrial plot area.

In most cases, field measurements by 'Tree Census' are needed for testing and validating all remote sensing methods and it is the only way to define more accurate vertical projection of a tree. Tree Census technique includes individual count of a tree and documentation of the basal area through girth or diameter at breast level, tree height and canopy diameter along with the species name. Carbon sequestration estimation is the main purpose of the measurement of green cover. With the help of statistical models and respective ratios and conversion factors, one can derive the biomass of a tree, current sequestered carbon and future potential, which is the main purpose to develop a green belt around any industrial complex. A plant, by habit, having woody stem or trunk with minimum girth of 10 cm at chest level and has a height of 2 m above the ground level. For better preservation, protection and plantation of trees, a census of trees should be carried out once in every five years in urban areas and apparently it should be more frequent in case of industrial areas.

Green Cover Measurement through Canopy Mapping & Tree Census acts as an indicator of following factors for both natural as well as cultivated vegetation.

- The green cover is dependent on the health of a tree, vegetation diversity, nutrition, water access, soil characteristics, diseases, pest infestations and stress.
- The efficiency of fertilization, irrigation, and pruning methods affect the canopy cover and biomass of tree, so its measurement sheds light on these factors as well.
- Canopy cover is also used to study the effects of pollution hazards, fire & microclimate.

The present report is a brief summarisation of a 'Green Cover Assessment' of industrial campus of **M/s. Jawahar Shetakari Sahakari Sakhar Karkhana Ltd. (JSSSKL), Kolhapur**, through 'Canopy Mapping and Tree Census' study. The key purpose of this study is to estimate the current status of existing greenbelt, which will help to plan the proposed greenbelt development and its comprehensive management program.

Material & Methodology

Study Area: The project site of M/s Jawahar Shetkari Sahakari Sakhar Karkhana Limited (JSSSKL), is located at Shri Kallappa Awade nagar, Hupari-Yalgud, Tal.-Hatkanangale, Dist.-Kolhapur, Maharashtra. It is around 30 km from Kolhapur city. It is an industrial complex of sugar factory with capacity 16,000 TPD, 28.5 MW Co-gen plant and proposed 100 KLPD Distillery. The total area of the industry is 99.57 Ha. Geographical location of the site is 74°24'14.27" E longitude and 16°36'15.45"N latitude and 587 M above MSL.

Fig 1 Location Map of the JSSSKL

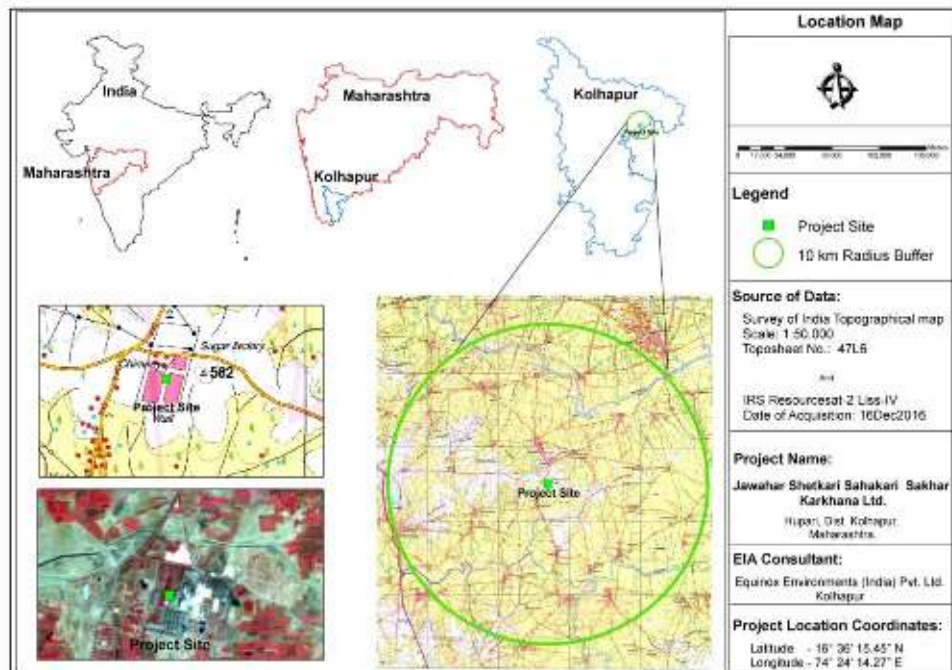


Fig 2 Google Earth Map of the JSSSKL



Methodology: Aerial imagery provides spectral (colour) information that allows trees to be distinguished from objects such as buildings and roads. Initially, a GIS base map and shapefile were prepared using the KML and plot layout of the industry. This map is used to set the Area of Interest (AOI) for the drone survey so it gives clarity and accuracy at the time of field work.

DJI's advanced technology Drone 'KAMBILL-DJI-INSPIRE-1 - Remotely Controlled Aircraft with X3 Camera' was used for the survey. The camera of the drone can take composite image with three bands along with digital elevation details and laser cloud points. Multispectral imaging sensors captures red, green, and blue (RGB) spectral information which is useful for image classification and to estimate vegetation canopy cover. The drone survey was carried out on 8th August 2023. The drone can fly at a constant level up to the height of 150 m. Since the chimney height is about 80 m, the drone survey was carried out at a constant level of 100 m above ground level. Differential GPS system 'KAM-DGPS Base Station' was fitted at centre of plot area and the geographical coordinates of the area was obtained. Coordinates of the DGPS point are - Latitude: 16° 36' 20.03" N, Longitude: 74° 24' 12.86" E and Ground level: 587.8 m w.r.t MSL.

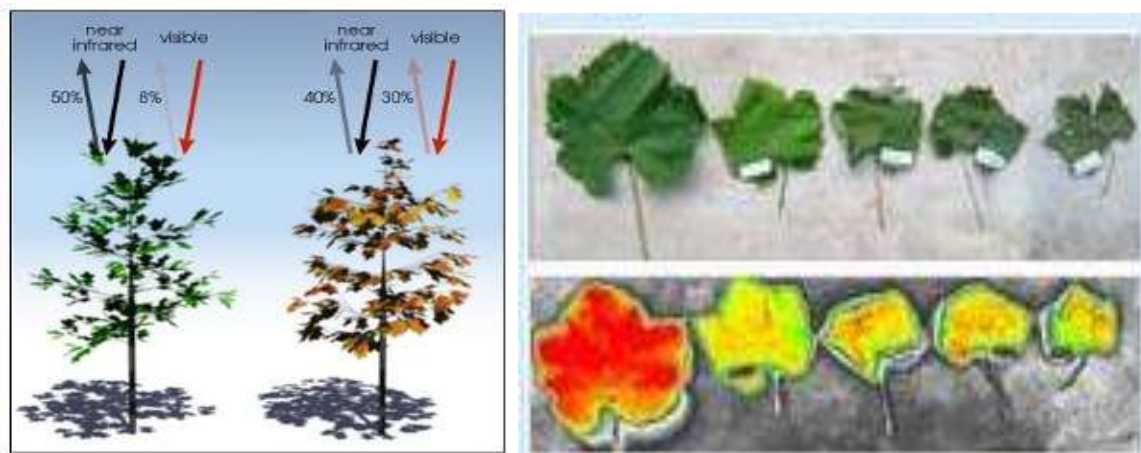
Fig 3 The Image of the Drone and DGPS used for the Canopy Survey



The data captured by the drone was downloaded, checked for clarity and accuracy and further processed using Pix4D software. An ortho-mosaic image was created using the drone data. A Digital Elevation Model was produced using ArcGIS software. ArcGIS generates Canopy map using the above processed data. Classification process and area computation of the canopy image was done using ERDAS software.

Standard 'Normalized Difference Vegetation Index (NDVI) technique' is used to measure the vegetation cover at study area. The difference between near-infrared (which vegetation strongly reflects) and red light (which vegetation absorbs) quantifies the vegetation cover. NDVI uses the NIR and red channels in its formulation. Normally, Healthy vegetation (chlorophyll) reflects more near-infrared (NIR) and green light compared to other wavelengths, but it absorbs more red and blue light. If you have low reflectance (or low values) in the red channel and high reflectance in the NIR channel, this will yield a high NDVI value and vice versa. When you have high NDVI values, you have healthier vegetation. When you have low NDVI, you have less or no vegetation.

Fig 4 High and Low Reflectance of NIR and VR Lights

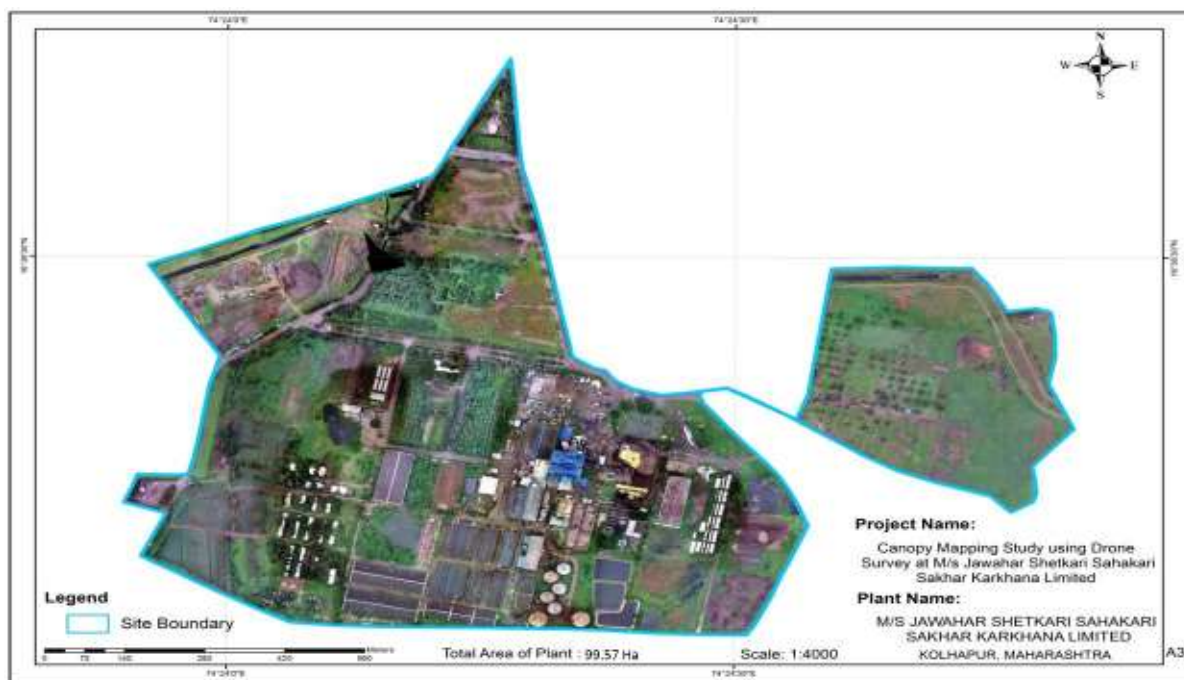


Since trees and shrubs can appear spectrally similar or be obscured by shadow, tree census was carried out to enhance the accuracy of tree mapping, providing more precise data including tree count, size, and species distribution. Attempt was made to count all the possible trees from the study area. Some inaccessible locations on project site were surveyed by using strategic representative belt transects and the data was extrapolated to the areas where it was not possible to reach. Most of the tree species encountered were identified on field on the basis of their morphological characters - shape, size, arrangement, texture, odour and colour of bark, leaves, flower and fruit. The Height and Girth of tree gives the volume of the tree. By using specific wood density and ratio factors for carbon and oxygen, total biomass, carbon stock, sequestered carbon and released oxygen by these trees were calculated.

Observations & Results

Ortho-Rectified Composite Image of industry plant area was created with three bands, i.e., Red, Blue and Green. The composite image shows very clear patterns of green belt area along with the industrial plant buildings, grass lands and open areas. When you receive an unrectified image, there is distortion across the image caused by distortions from the sensor and the earth's terrain. After imagery has been orthorectified, it can be used within a GIS software and can be accurately overlaid with other data layers.

Fig 5 Ortho-Rectified Composite Image of the JSSSKL

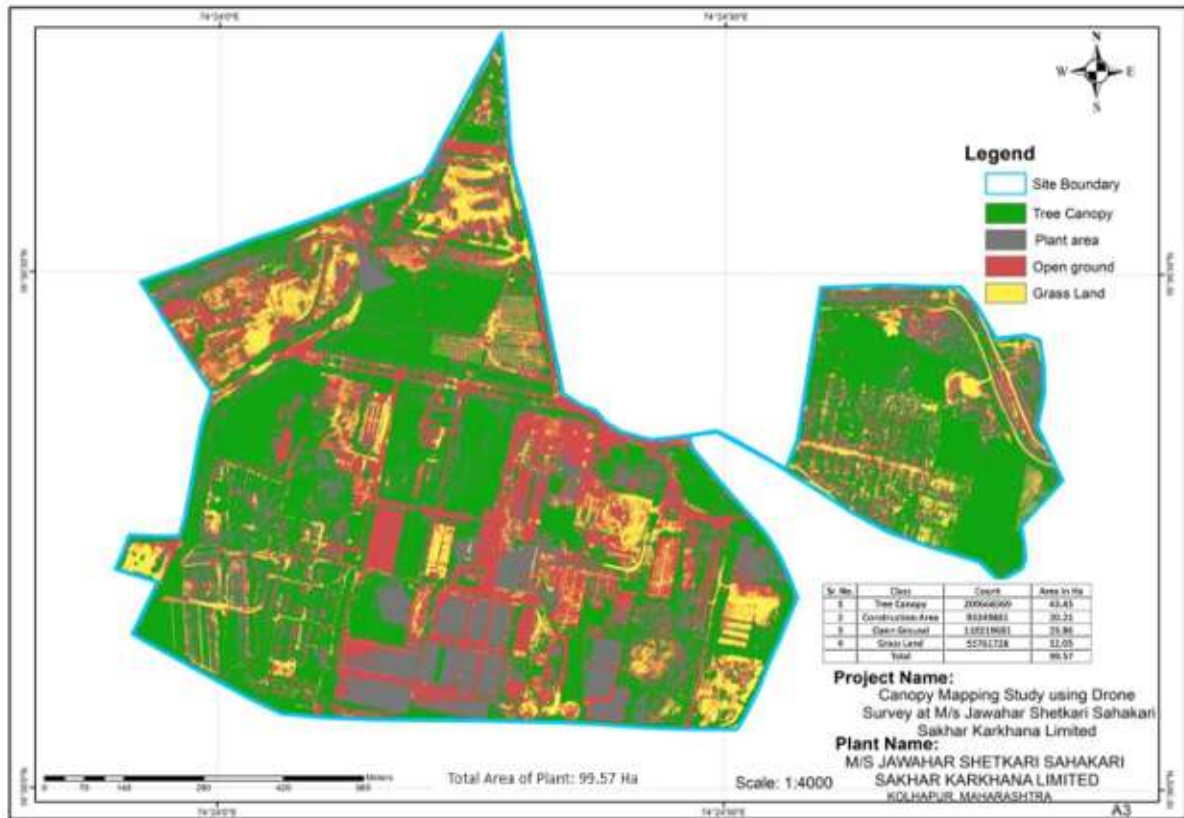


The image has been processed to apply corrections for optical distortions from the sensor system, and apparent changes in the position of ground objects caused by the perspective of the sensor view angle and ground terrain. This ortho-rectified composite image is accurately georeferenced and further used to generate the canopy map of the area. The NDVI technique was systematically adopted to create the vegetation canopy map from the ortho rectified composite image.

Although there are several vegetation indices, one of the most widely used is the Normalized Difference Vegetation Index (NDVI). Areas of barren rock, sand, or snow usually show very low NDVI values (for example, 0.1 or less). Sparse vegetation such as shrubs and

grasslands or senescing crops may result in moderate NDVI values (approximately 0.2 to 0.5). High NDVI values (approximately 0.6 to 0.9) correspond to dense vegetation.

Fig 6 Canopy Map with Classification Area details of the JSSSKL



The above canopy map shows four types of classes: 1) Tree canopy area, 2) Plant area, 3) Open Ground and 4) Grass land. The index count and area of each class were computed in GIS software.

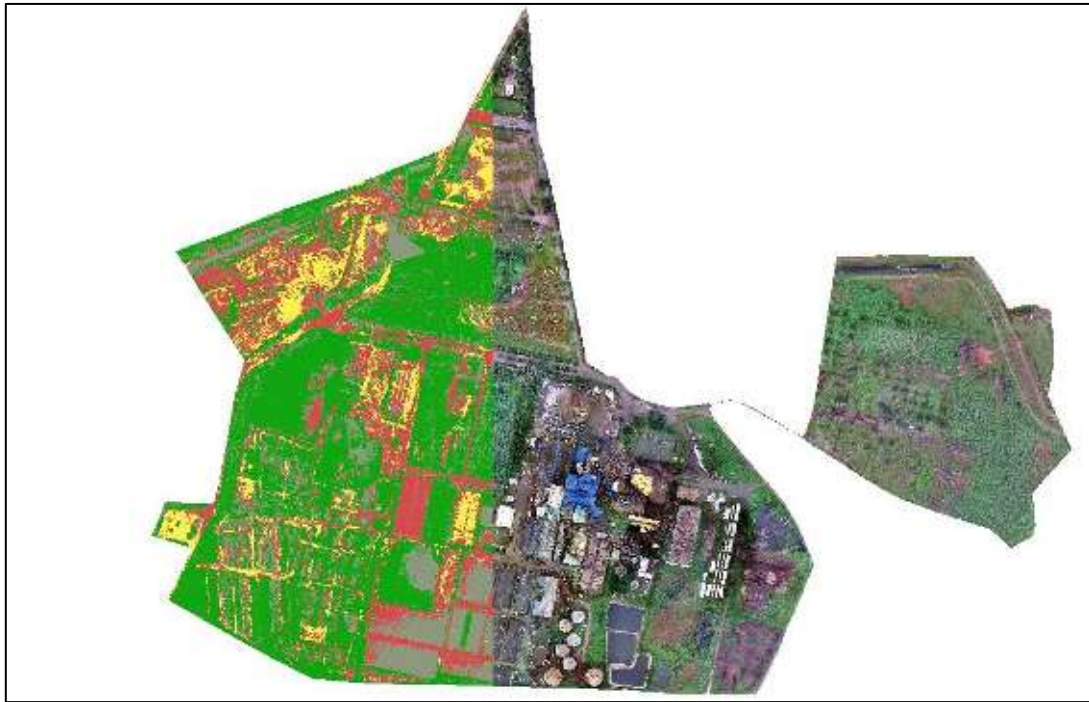
Table 1 Index Count and Area of the Four Classes by NDVI Technique

Sr. No.	Class	Count	Area in Ha
1	Tree Canopy	200668369	43.45
2	Construction Area	93349881	20.21
3	Open Ground	110219681	23.86
4	Grass Land	55761728	12.05
	Total		99.57

The table shows that out of the total area of 99.57 Ha of the four classes, tree canopy is 43.45 Ha, construction area is 20.21 Ha, open ground is 23.86 Ha and grass land is 12.05 Ha.

Therefore, the percentage of tree cover is 43.64%. The canopy map was validated with the composite image and found to be accurate as shown below.

Fig 7 The Image Validation of the Canopy Map of JSSSKL



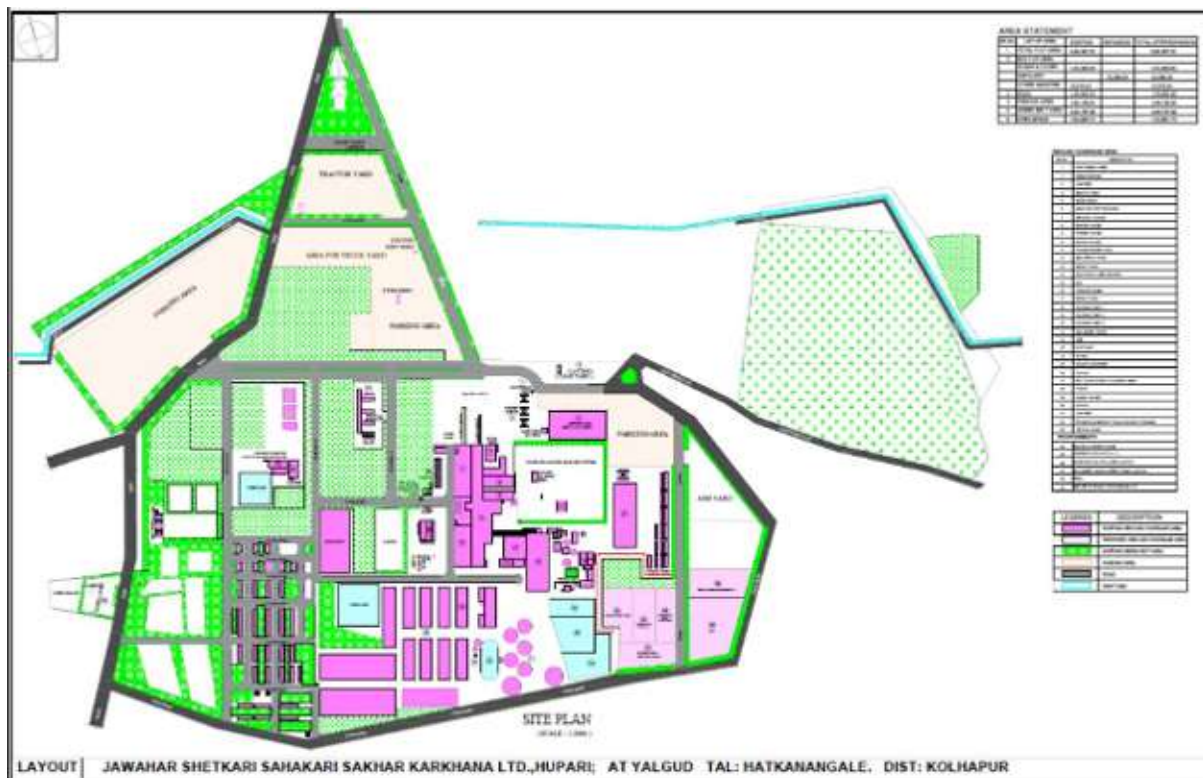
Grass lands are not included in the tree canopy area. The trees include in the above-mentioned canopy area are from height 1 m to 20 m. four groups were made as per the height of the trees and canopy area of each group is calculated.

Table 2 Height wise canopy area of the trees in JSSSKL

Height of Tree in M	Canopy Area of Trees in Sq. M	Proportion with Total Canopy Area
1 m to 5 m	44,890	10%
5 m to 10 m	79,299	18%
10 m to 15 m	1,63,800	38%
15 m to 20 m	1,46,461	34%
Total	4,34,450 Sqm	100%

The table shows that major proportion of the canopy area is of good height which indicates that the green belt developed at industry is in healthy condition. Here, some shrubs and bushes were also encompassed in the canopy cover. The tree census data further elaborates the status of the existing green belt at JSSSKL.

Fig 8 Plot Layout of the integrated complex of JSSSKL



The total plot area of 99.57 Ha was surveyed for the green cover inventory. Total 69,279 numbers of trees with more than 10 cm girth and height more than 4 ft have been enumerated. About 41 species have been identified during the census. It shows a rich diversity on the project complex.

Total biomass: Biomass, in ecology, is the mass of living biological organisms in a given area or ecosystem at a given time. Biomass can refer to species biomass, which is the mass of one or more species, or to community biomass, which is the mass of all species in the community. It can include microorganisms, plants or animals. The mass can be expressed as the average mass per unit area, or as the total mass in the community. 43,606.5 tons of total biomass of woody vegetation have been recorded, during the current tree census.

Carbon stock: Forests and trees act as natural carbon stores, but this carbon is released when the trees are felled and the area deforested. The amount of carbon stored within an area of land varies according to the type of vegetation cover. 747.74 tons of total carbon stock is present at the project complex.

Carbon Sequestration (C. S.): Carbon sequestration describes long-term storage of carbon dioxide or other forms of carbon to either mitigate or defer global warming and avoid dangerous

climate change. It has been proposed as a way to slow the atmospheric and marine accumulation of greenhouse gases, which are released by burning fossil fuels. Vegetation carbon pool having the potential of 560 Pg (Pg: Petagram= billion ton) of carbon storage globally. In the current study the focus is given on the assessment of existing carbon stock stored in JSSSKL in the form of woody vegetation by enumerating every tree species. Overall, 80017.80 tons of CO₂ has captured and stored by the woody plants present in the industry complex. A single tree consumes 0.0218 tons of CO₂ approximately annually consequently, as the campus possess 69,279 mature woody plants 1510.28 tons of CO₂ is consumed yearly by all woody vegetation on the industry complex.

Oxygen released: Woody vegetation in JSSSKL complex has released 2,13,647.53 tons of oxygen in their lifetime till date. Released oxygen is directly proportional to CO₂ sequestrate in the ratio of 32/12 thus it is supposed to release 5,70,438.90 kg of oxygen annually. It is assumed that a single tree supports oxygen demand of two people for their life. Thus, the 69,279-woody vegetation in college campus are supporting people around the campus.

Rain Water Harvesting



Photographs of Asphalted Roads



Photographs of Asphalted Roads



OCMS for Sugar Factory ETP



OCMS (Analyzer)



OCMS (Sensor)



Flow Meter on Treated Effluent Pipe

ESP for 20 & 90 TPH Boiler Capacity



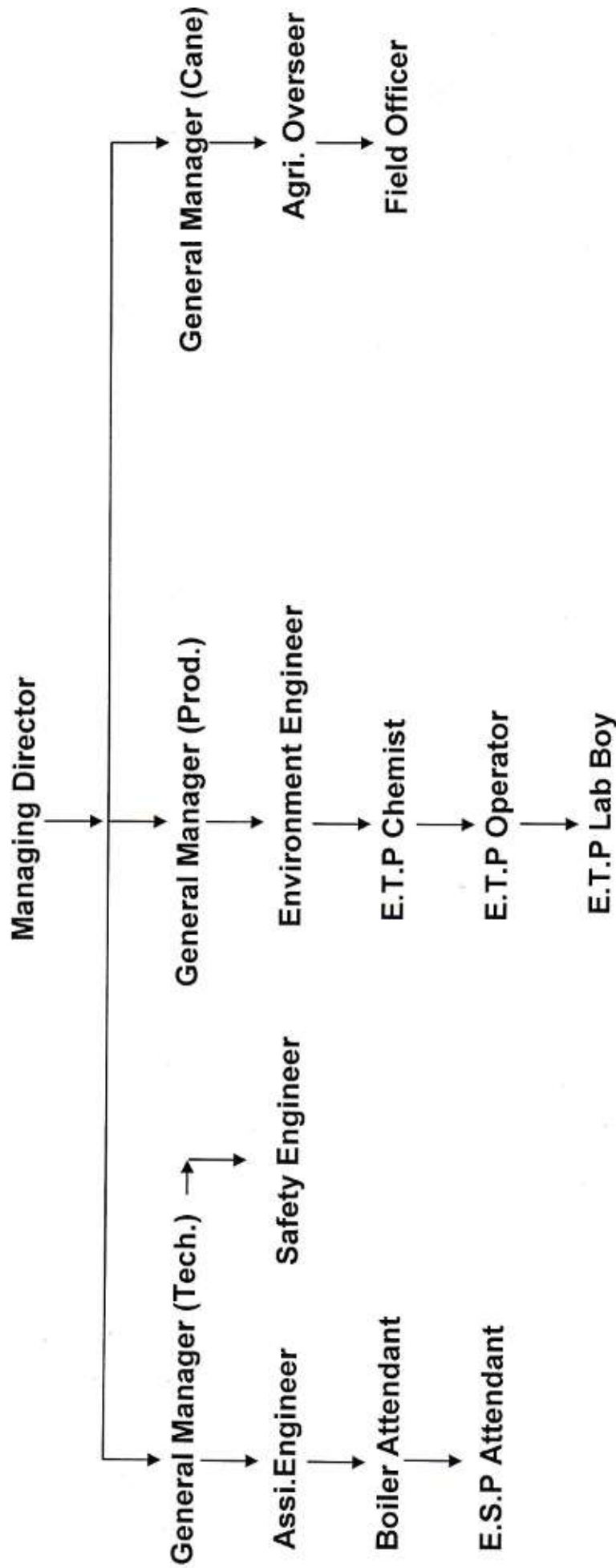
ESP for 75 TPH Boiler Capacity




Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari

Shri Kallappanna Awadenagar, Hupari-Yalgud 416 203,
Tal. Hatkanangale, Dist. Kolhapur (Maharashtra)

Environmental Management Cell



Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)
 ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2025-2026/11/771		Report Date	01.12.2025
Sample ID: -	GESEC/PRO/AAQM/2025-2026/11/771			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Main Gate		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
02:10 PM.	03:10 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	29.0	Wet Bulb Temperature °C	19.0	
Dry Bulb Temperature °C	29.0	Relative Humidity % RH	38.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
26.11.2025	27.11.2025	27.11.2025	01.12.2025	
Name of Instrument	Fine Dust Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	FDS 24/GESEC/Lab/Inst/70	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 11	µg/cum	100.00	64.45
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	28.16
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	14.54
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	22.72
Remark	➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.			
				
		Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By		

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- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purposes without the laboratory's written consent, GESEC.
- Samples will be retained for seven (7) days after the analysis is completed. Longer retention periods can be arranged upon the customer's request.
- We strictly maintain the confidentiality of all test results of the sample(s) collected by us/ supplied by the customer and do not reveal them to third parties unless required by the statutory or legal requirement.
- If on-site there is no proper sampling location, Source, or port available the results of testing are not challenged.
- MoEF approved Lab by Govt. of India. Till 28/02/2026 and NABL approved by the Quality Council of India. till 28/02/2026.

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ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2025-2026/11/772		Report Date	01.12.2025
Sample ID: -	GESEC/PRO/AAQM/2025-2026/11/772			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near ETP		GESEC	
	Sampling Time			
Start Time	Stop Time		Total Hrs.	
02:30 PM.	03:30 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30.0	Wet Bulb Temperature °C	20.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH	37.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
26.11.2025	27.11.2025	27.11.2025	01.12.2025	
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	107L2/GESEC/Lab/Inst/73	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/cum	100.00	60.32
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	25.46
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	12.68
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	17.14
Remark	<p>> NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.</p>			

END OF REPORT



Hande
Mr. Vinod Hande
(Technical Manager)
Reviewed & Authorized By
Page 1 of 1

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Test Report No: -	GESEC/PRO/AAQM/2025-2026/11/773		Report Date	01.12.2025
Sample ID: -	GESEC/PRO/AAQM/2025-2026/11/773			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Cane Yard		GESEC	
	Sampling Time			
Start Time	Stop Time		Total Hrs.	
02:55 PM.	03:55 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30.0	Wet Bulb Temperature °C	20.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH	38.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
26.11.2025	27.11.2025	27.11.2025	01.12.2025	
Name Of Instrument	Fine Particulate Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	107L1/GESEC/Lab/Inst/74	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 11	µg/cum	100.00	62.27
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	26.31
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	13.68
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	20.49
Remark:-				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.				

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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2025-2026/11/774		Report Date	01.12.2025
Sample ID: -	GESEC/PRO/WZM/2025-2026/11/774			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
WORKZONE AIR	Pan Section		GESEC	
	Sampling Time			
Start Time	Stop Time		Total Hrs.	
03:00 PM.	04:00 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30.0	Wet Bulb Temperature °C	20.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH	38.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
26.11.2025	27.11.2025	27.11.2025	01.12.2025	
Name of Instrument	Handy sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	220412/GESEC/LAB/INST/100	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.658
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	5	0.009
Oxides of Nitrogen(NO _x)	GESEC/LAB/SOP/WZM/29	mg/m ³	6	0.014
REMARK:				
➤ Limits: As per the Second Schedule of Factories Act /OSHA TWA				

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Sample ID: -	GESEC/PRO/WZM/2025-2026/11/775			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling was done by	
Ambient Air	Sugar House		GESEC	
	Sampling Time			
Start Time	Stop Time	Total Hrs.		
04:00 PM.	05:00 PM.	60 Min		
Metrological Data/Environmental Conditions				
Ambient Temperature °C	28.0	Wet Bulb Temperature °C	19.0	
Dry Bulb Temperature °C	28.0	Relative Humidity % RH	44.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
26.11.2025	27.11.2025	27.11.2025	01.12.2025	
Name Of Instrument	Handy sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	220413/GESEC/LAB/INST/101	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.626
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	5	0.008
Oxides of Nitrogen(NO _x)	GESEC/LAB/SOP/WZM/29	mg/m ³	6	0.012
Note:	Limits: As per Second Schedule of Factories Act /OSHA TWA.			

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TEST REPORT				
Test Report No	GESEC/PRO/ST/2025-2026/11/776	Report Date	01.12.2025	
Sample ID -	GESEC/PRO/ST/2025-2026/11/776			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
26.11.2025	27.11.2025	27.11.2025	01.12.2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	05/08/2025	
Calibration Certificate No.	5919/GESEC/LAB/INST/33	Due Date of Calibration	04/08/2026	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	3.75	
Height (m)		75		
Temperature (°C)	145	Velocity (m/s)	7.51	
Gas Volume (Nm ³ /Hr)	338857.75			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	46.35
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	13.87
		Kg/day	-	112.80
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/NM ³ .				
➤ Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				

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Page 1 of 1

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TEST REPORT				
Test Report No	GESEC/PRO/ST/2025-2026/11/777	Report Date	01.12.2025	
Sample ID -	GESEC/PRO/ST/2025-2026/11/777			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
26.11.2025	27.11.2025	27.11.2025	01.12.2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	14/02/2025	
Calibration Certificate No.	58L14/GESEC/LAB/INST/60	Due Date of Calibration	13/02/2026	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.50	Pressure	3.15	
Height (m)	72			
Temperature (°C)	135	Velocity (m/s)	6.80	
Gas Volume (Nm ³ /Hr)	87815.84			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	42.27
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	10.86
		Kg/day	-	22.89
Remarks-				
✓ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/Nm ³ . ✓ Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				
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Page 1 of 1

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TEST REPORT

Test Report No: -	GESEC/PRO/ANLM/2025-2026/11/778	Report Date	01.12.2025
Sample ID: -	GESEC/PRO/ANLM/2025-2026/11/778		

Name & Address of the Customer
M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)

Ambient Noise Sample Details

Type	Ambient Noise
Sampling done by	GESEC
Standard method	GESEC/LAB/NLM/ST/31

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
26.11.2025	-	-	-

Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026

Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (12:45 P.M.)	Night (10:20 P.M.)	
Near Main Gate	dB(A)	66.7	62.2	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	59.6	54.7	
Near Bagasse Section	dB(A)	62.4	57.3	
Near Sugar Godown	dB(A)	60.8	59.2	
Near Cane Yard	dB(A)	69.6	65.8	

Remark-
➤ Centre Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.

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TEST REPORT

Test Report No: -	GESEC/PRO/WNLM/2025-2026/11/779	Report Date	01.12.2025
Sample ID: -	GESEC/PRO/WNLM/2025-2026/11/779		

Name & Address of the Customer
M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)

Work Zone Noise Sample Details

Type	Work Zone Noise
Sampling done by	GESEC
Standard method	GESEC/LAB/NLM/ST/31

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
26.11.2025	-	-	-

Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026

Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (01:45 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	74.2	72.3	≤ 90
Turbine Section	dB(A)	72.4	68.9	
Boiler Section	dB(A)	76.1	74.1	
Mill Section	dB(A)	78.3	75.7	
Pan Section	dB(A)	71.5	68.2	

Remark-
➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.
➤ All above results are within Factories Act 1948 Standards.

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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/11/780	Report Date	01.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/11/780	Sample Details	ETP Inlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	26.11.2025
	Sample Receipt Date	27.11.2025
	Analysis start Date	27.11.2025
	Analysis End Date	01.12.2025

Parameters	Results	Unit	Standard Method
pH	3.32	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	178.69	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	2935.98	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	3256.77	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	1254.86	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	687.14	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	453.61	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023

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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/11/781	Report Date	01.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/11/781	Sample Details	ETP Outlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	26.11.2025
	Sample Receipt Date	27.11.2025
	Analysis start Date	27.11.2025
	Analysis End Date	01.12.2025

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.67	6.5-8.5	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	46.20	100	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	1245.15	2100	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	68.24	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	24.08	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	175.54	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO4 --	129.63	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

> All parameters are within the MPCB limit.

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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/11/782		Report Date	01.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/11/782		Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	26.11.2025	
	Sample Receipt Date	27.11.2025	
	Analysis start Date	27.11.2025	
	Analysis End Date	01.12.2025	
Parameters	Results	Unit	Standard Method
pH	6.21	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	159.37	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1089.93	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	178.26	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	92.58	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	326.34	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	241.09	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:			
➤ All parameters are within the MPCB limit.			

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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/11/783	Report Date	01.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/11/783	Sample Details	Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	26.11.2025
	Sample Receipt Date	27.11.2025
	Analysis start Date	27.11.2025
	Analysis End Date	01.12.2025

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.54	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	18.63	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	685.31	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	45.12	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	14.70	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	152.36	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	116.08	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

> All parameters are within the MPCB limit.



Handwritten signature of Mr. Vinod Hande

Mr. Vinod Hande
(Technical Manager)


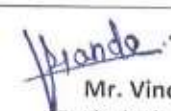
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2025-2026/11/784		Report Date	01.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/11/784		Sample Details	Colony STP Inlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	26.11.2025
		Sample Receipt Date	27.11.2025
		Analysis start Date	27.11.2025
		Analysis End Date	01.12.2025
		Parameters	Results
pH	6.25	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	158.84	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1297.26	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	173.40	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	92.02	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	304.51	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	213.72	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:			
➤ All parameters are within the MPCB limit.			
			
		 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/11/785	Report Date	01.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/11/785	Sample Details	Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	26.11.2025
	Sample Receipt Date	27.11.2025
	Analysis start Date	27.11.2025
	Analysis End Date	01.12.2025

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.82	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	16.63	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	523.08	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	38.42	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	14.94	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	127.30	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	131.48	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

> All parameters are within the MPCB limit.

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TEST REPORT				
Test Report No – GESEC/PRO/DW/2025-2026/11/786		Date of Reporting		01.12.2025
Sample ID - GESEC/PRO/DW/2025-2026/11/786		Sample Details		Drinking Water (Laboratory)
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).		Type of Sample		Water
		Volume Of Sample		2 Lit
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		26.11.2025
		Date of Sample received in lab		27.11.2025
		Analysis start Date		27.11.2025
		Analysis End Date		01.12.2025
WATER ANALYSIS REPORT				
Parameter	Result	Limits as per IS 10500:2012 (Reaff:2023)	Unit(s)	Standard Method
Physical Parameter				
Turbidity	<0.1	<1	NTU	APHA 2130 B24 th Edition:2023
TDS	102.21	<500	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Parameter				
pH	7.54	6.5 to 8.5	--	APHA 4500 H+ B 24 th Ed: 2023
Total Hardness	54.63	<200	mg/lit	APHA 2340 C 24 th Ed: 2023
Total Alkalinity	42.15	<200	mg/lit	APHA 2320 B 24 th Ed: 2023
Sulphate	3.37	<200	mg/lit	APHA 4500-SO4 - E 24 th Ed: 2023
Residual Chlorine	BDL	<0.2	mg/lit	EPA 334.0,
Chloride	10.26	<250	mg/lit	APHA 4500-Cl-B 24 th Ed: 2023
Calcium (as Ca)	14.92	<75	mg/lit	APHA 3500-Ca B 24 th Ed: 2023
Magnesium (as Mg)	3.88	<30	mg/lit	IS 3025 (Part 46):2023
Elemental Analysis				
Iron as Fe	<0.1	<0.3	mg/lit	EPA200.7
Microbiological Parameter				
Total Coliform	Absent	Absent	/100ml	FSSAI manual Microbiology methods FSSAI 15.025:2023
<i>E. coli.</i>	Absent	Absent	/100ml	FSSAI manual Microbiology methods FSSAI 15.025:2023
Remark(s): > All the above results are well within the MPCB Limit. > The above water sample is completed with the required limit as per 10500:2012 (Reaff:2023) for above tested parameters.				

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TEST REPORT					
Test Report No: -	GESEC/PRO/AAQM/2025-2026/12/995			Report Date	30.12.2025
Sample ID: -	GESEC/PRO/AAQM/2025-2026/12/995			Report Date	30.12.2025
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location			Sampling done by	
Ambient Air	Near Main Gate			GESEC	
Sampling Time					
Start Time	Stop Time			Total Hrs.	
01:20 PM.	02:20 PM.			60 Min	
Metrological Data/Environmental Conditions					
Ambient Temperature °C	27.0	Wet Bulb Temperature °C		17.0	
Dry Bulb Temperature °C	27.0	Relative Humidity % RH		35.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date	
25.12.2025	26.12.2025	26.12.2025		30.12.2025	
Name of Instrument	Fine Dust Sampler	Date Of Calibration		25/04/2025	
Calibration Certificate No.	FDS 24/GESEC/Lab/Inst/70	Due Date of Calibration		24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/cum	100.00	67.34	
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	30.62	
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	16.23	
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	27.15	
Remark					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					

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Mr. Vinod Hande
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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2025-2026/12/996		Report Date	30.12.2025
Sample ID: -	GESEC/PRO/AAQM/2025-2026/12/996			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near ETP		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
01:40 PM.	02:40 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	27.0	Wet Bulb Temperature °C	17.0	
Dry Bulb Temperature °C	27.0	Relative Humidity % RH	34.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25.12.2025	26.12.2025	26.12.2025	30.12.2025	
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	107L2/GESEC/Lab/Inst/73	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/cum	100.00	63.21
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	28.32
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	14.84
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	20.73
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				

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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2025-2026/12/997		Report Date	30.12.2025
Sample ID: -	GESEC/PRO/AAQM/2025-2026/12/997		Report Date	30.12.2025
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Cane Yard		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
02:00 PM.	03:00 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	28.0	Wet Bulb Temperature °C	18.0	
Dry Bulb Temperature °C	28.0	Relative Humidity % RH	32.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25.12.2025	26.12.2025	26.12.2025	30.12.2025	
Name Of Instrument	Fine Particulate Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	107L1/GESEC/Lab/Inst/74	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 11	µg/cum	100.00	69.83
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	34.26
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	16.49
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	29.74
Remark:-				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2025-2026/12/998		Report Date	30.12.2025
Sample ID: -	GESEC/PRO/WZM/2025-2026/12/998			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
WORKZONE AIR	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
03:10 PM.	04:10 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	27.0	Wet Bulb Temperature °C	17.0	
Dry Bulb Temperature °C	27.0	Relative Humidity % RH	33.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25.12.2025	26.12.2025	26.12.2025	30.12.2025	
Name of Instrument	Handy sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	220412/GESEC/LAB/INST/100	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.716
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	5	0.010
Oxides of Nitrogen(NO _x)	GESEC/LAB/SOP/WZM/29	mg/m ³	6	0.017
Note:				
➤ Limits: As per the Second Schedule of Factories Act /OSHA TWA				
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Test Report No: -	GESEC/PRO/WZM/2025-2026/12/999	Report Date	30.12.2025	
Sample ID: -	GESEC/PRO/WZM/2025-2026/12/999			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling was done by	
Work zone air	Sugar House		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
03:30 PM.	04:30 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	26.0	Wet Bulb Temperature °C	17.0	
Dry Bulb Temperature °C	26.0	Relative Humidity % RH	39.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25.12.2025	26.12.2025	26.12.2025	30.12.2025	
Name Of Instrument	Handy sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	220413/GESEC/LAB/INST/101	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.686
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	5	0.009
Oxides of Nitrogen(NO _x)	GESEC/LAB/SOP/WZM/29	mg/m ³	6	0.013
Note:				
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2025-2026/12/1000	Report Date	30.12.2025	
Sample ID -	GESEC/PRO/ST/2025-2026/12/1000			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
25.12.2025	26.12.2025	26.12.2025	30.12.2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	05/08/2025	
Calibration Certificate No.	5919/GESEC/LAB/INST/33	Due Date of Calibration	04/08/2026	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	3.95	
Height (m)	75			
Temperature (°C)	135	Velocity (m/s)	7.62	
Gas Volume (Nm ³ /Hr)	352012.75			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	49.37
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	16.43
		Kg/day	-	138.81
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/NM ³ .				
➤ Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				
				 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

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TEST REPORT				
Test Report No	GESEC/PRO/ST/2025-2026/12/1001	Report Date	30.12.2025	
Sample ID -	GESEC/PRO/ST/2025-2026/12/1001			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
25.12.2025	26.12.2025	26.12.2025	30.12.2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	14/02/2025	
Calibration Certificate No.	58L14/GESEC/LAB/INST/60	Due Date of Calibration	13/02/2026	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.50	Pressure	3.25	
Height (m)	72			
Temperature (°C)	130	Velocity (m/s)	6.87	
Gas Volume (Nm ³ /Hr)	89750.49			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	46.73
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	14.21
		Kg/day	-	30.61
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/Nm ³ .				
➤ Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				
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TEST REPORT

Test Report No: -	GESEC/PRO/ANLM/2025-2026/12/1002	Report Date	30.12.2025
Sample ID: -	GESEC/PRO/ANLM/2025-2026/12/1002		

Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)
--------------------------------	--

Ambient Noise Sample Details

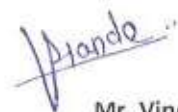
Type	Ambient Noise
Sampling done by	GESEC
Standard method	AS Pe IS 9989:2020

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
25.12.2025	25.12.2025	25.12.2025	25.12.2025

Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026

Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (12:45 P.M.)	Night (10:20 P.M.)	
Near Main Gate	dB(A)	67.2	63.4	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	69.3	53.7	
Near Bagasse Section	dB(A)	73.1	64.3	
Near Sugar Godown	dB(A)	71.9	65.7	
Near Cane Yard	dB(A)	74.4	69.1	

Remark-Centre Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.



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TEST REPORT

Test Report No: -	GESEC/PRO/WNLM/2025-2026/12/1003	Report Date	30.12.2025
Sample ID: -	GESEC/PRO/WNLM/2025-2026/12/1003		

Name & Address of the Customer
M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)

Work Zone Noise Sample Details

Type	Work Zone Noise
Sampling done by	GESEC
Standard method	AS Pe IS 9989:2020

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
25.12.2025	25.12.2025	25.12.2025	25.12.2025

Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026

Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (01:45 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	77.3	68.3	≤ 90
Turbine Section	dB(A)	74.5	69.7	
Boiler Section	dB(A)	78.6	64.1	
Mill Section	dB(A)	77.6	67.8	
Pan Section	dB(A)	72.8	65.2	

Remark-
➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.
➤ All above results are within Factories Act 1948 Standards.

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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/12/1004	Report Date	30.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/12/1004	Sample Details	ETP Inlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	25.12.2025
	Sample Receipt Date	26.12.2025
	Analysis start Date	26.12.2025
	Analysis End Date	30.12.2025

Parameters	Results	Unit	Standard Method
pH	3.68	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	182.79	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	3985.37	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	3756.63	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	1521.24	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	753.86	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	489.95	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023

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TEST REPORT				
Test Report No: GESEC/PRO/WW/2025-2026/12/1005	Report Date	30.12.2025		
Sample ID : GESEC/PRO/WW/2025-2026/12/1005	Sample Details	ETP Outlet		
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water		
	Volume Of Sample	1 Lit plastic bottle		
	Sample Status	Sealed		
	Sample Collected By	GESEC		
	Date of Sample Collection	25.12.2025		
	Sample Receipt Date	26.12.2025		
	Analysis start Date	26.12.2025		
	Analysis End Date	30.12.2025		
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.56	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	47.36	100	mg/lit	APHA 2540 D 23 rd Edition:2017
Total Dissolved Solids (TDS)	1336.78	2100	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	79.37	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	29.21	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	214.86	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO4 --	165.39	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:				
➤ All parameters are within the MPCB limit.				
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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/12/1006		Report Date	30.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/12/1006		Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	25.12.2025	
	Sample Receipt Date	26.12.2025	
	Analysis start Date	26.12.2025	
	Analysis End Date	30.12.2025	
Parameters	Results	Unit	Standard Method
pH	6.29	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	157.63	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1238.24	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	169.38	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	97.12	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	431.20	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	189.67	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023

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TEST REPORT

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Sample ID : GESEC/PRO/WW/2025-2026/12/1007	Sample Details	Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	25.12.2025
	Sample Receipt Date	26.12.2025
	Analysis start Date	26.12.2025
	Analysis End Date	30.12.2025

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.63	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	18.35	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	721.52	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	46.17	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	19.12	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	162.30	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	115.63	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	<5	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

> All parameters are within the MPCB limit.



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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/12/1008	Report Date	30.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/12/1008	Sample Details	Colony STP Inlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	25.12.2025
	Sample Receipt Date	26.12.2025
	Analysis start Date	26.12.2025
	Analysis End Date	30.12.2025

Parameters	Results	Unit	Standard Method
pH	6.38	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	174.51	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1387.26	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	185.37	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	96.20	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	316.53	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	229.45	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023

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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/12/1009	Report Date	30.12.2025
Sample ID : GESEC/PRO/WW/2025-2026/12/1009	Sample Details	Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	25.12.2025
	Sample Receipt Date	26.12.2025
	Analysis start Date	26.12.2025
	Analysis End Date	30.12.2025

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.67	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	19.58	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	569.42	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	40.15	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	15.23	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	112.71	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	143.08	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

➤ All parameters are within the MPCB limit.

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TEST REPORT

Test Report No – GESEC/PRO/DW/2025-2026/12/1010	Date of Reporting	30.12.2025
Sample ID - GESEC/PRO/DW/2025-2026/12/1010	Sample Details	Drinking Water (Laboratory)
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample	Water
	Volume Of Sample	2 Lit
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	25.12.2025
	Date of Sample received in lab	26.12.2025
	Analysis start Date	26.12.2025
	Analysis End Date	30.12.2025

WATER ANALYSIS REPORT

Parameter	Result	Limits as per IS 10500:2012 (Reaff:2023)	Unit(s)	Standard Method
Physical Parameter				
Turbidity	<0.1	<1	NTU	APHA 2130 B24 th Edition:2023
TDS	98.65	<500	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Parameter				
pH	7.52	6.5 to 8.5	--	APHA 4500 H+ B 24 th Ed: 2023
Total Hardness	56.61	<200	mg/lit	APHA 2340 C 24 th Ed: 2023
Total Alkalinity	41.32	<200	mg/lit	APHA 2320 B 24 th Ed: 2023
Sulphate	3.67	<200	mg/lit	APHA 4500-SO4 - E 24 th Ed: 2023
Residual Chlorine	BDL	<0.2	mg/lit	EPA 334.0,
Chloride	10.63	<250	mg/lit	APHA 4500-Cl-B 24 th Ed: 2023
Calcium (as Ca)	13.45	<75	mg/lit	APHA 3500-Ca B 24 th Ed: 2023
Magnesium (as Mg)	3.65	<30	mg/lit	IS 3025 (Part 46):2023
Elemental Analysis				
Iron as Fe	<0.1	<0.3	mg/lit	EPA200.7
Microbiological Parameter				
Total Coliform	Absent	Absent	/100ml	FSSAI manual Microbiology methods FSSAI 15.025:2023
<i>E. coli.</i>	Absent	Absent	/100ml	FSSAI manual Microbiology methods FSSAI 15.025:2023

Remark(s):

- All the above results are well within the MPCB Limit.
- The above water sample is completed with the required limit as per 10500:2012 (Reaff:2023) for above tested parameters.




Mr. Vinod Hande
 (Technical Manager)
 Reviewed & Authorized By

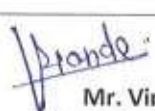
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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2025-2026/01/757		Report Date	03.02.2026
Sample ID: -	GESEC/PRO/AAQM/2025-2026/01/757			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Upwind Village (Jagamwadi)		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
08:00 AM.	09:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	22	Wet Bulb Temperature °C	18	
Dry Bulb Temperature °C	22	Relative Humidity % RH	69	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	30.01.2026	30.01.2026	03.02.2026	
Name of Instrument	Fine Dust Sampler	Date Of Calibration	26/04/2024	
Calibration Certificate No.	FDS 24/GESEC/Lab/Inst/70	Due Date of Calibration	25/04/2025	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/m ³	< 100.00	56.23
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/m ³	< 60.00	22.36
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/m ³	< 80.00	14.68
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/m ³	< 80.00	16.71
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2025-2026/01/758		Report Date	03.02.2026	
Sample ID: -	GESEC/PRO/AAQM/2025-2026/01/758				
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Downwind Village (Sagav Kasaba)		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
08:30 AM.	09:30 AM.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	23	Wet Bulb Temperature °C	17		
Dry Bulb Temperature °C	23	Relative Humidity % RH	55		
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
29.01.2026	30.01.2026	30.01.2026	03.02.2026		
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	26/04/2024		
Calibration Certificate No.	107L2/GESEC/Lab/Inst/73	Due Date of Calibration	25/04/2025		
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/m ³	< 100.00	59.12	
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/m ³	< 60.00	25.69	
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/m ³	< 80.00	16.42	
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/m ³	< 80.00	17.37	
Remark					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
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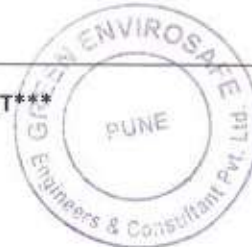
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Test Report No. -	GESEC/PRO/AAQM/2025-2026/01/759		Report Date	03.02.2026
Sample ID. -	GESEC/PRO/AAQM/2025-2026/01/759			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	GLC Village (Yalgud)		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
10:30 AM.	11:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	27	Wet Bulb Temperature °C	19	
Dry Bulb Temperature °C	27	Relative Humidity % RH	48	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	30.01.2026	30.01.2026	03.02.2026	
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	26/04/2024	
Calibration Certificate No.	107L1/GESEC/Lab/Inst/74	Due Date of Calibration	25/04/2025	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 11	µg/m ³	< 100.00	61.73
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/m ³	< 60.00	26.42
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/m ³	< 80.00	17.54
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/m ³	< 80.00	18.30
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.				
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Page 1 of 1

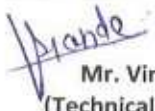
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2025-2026/01/760		Report Date	03.02.2026
Sample ID: -	GESEC/PRO/AAQM/2025-2026/01/760			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Main Gate		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
10:45 AM.	11:45 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	28	Wet Bulb Temperature °C	18	
Dry Bulb Temperature °C	28	Relative Humidity % RH	40	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	30.01.2026	30.01.2026	03.02.2026	
Name of Instrument	Fine Dust Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	FDS 24/GESEC/Lab/Inst/70	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/m ³	< 100.00	65.48
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/m ³	< 60.00	28.34
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/m ³	< 80.00	19.21
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/m ³	< 80.00	23.56
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.				
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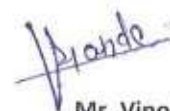
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2025-2026/01/761		Report Date	03.02.2026	
Sample ID: -	GESEC/PRO/AAQM/2025-2026/01/761				
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Near ETP		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
12:00 PM.	01:00 PM.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	29	Wet Bulb Temperature °C	19		
Dry Bulb Temperature °C	29	Relative Humidity % RH	35		
Date of Sampling					
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
29.01.2026	30.01.2026	30.01.2026	03.02.2026		
Name of Instrument					
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	25/04/2025		
Calibration Certificate No.					
Calibration Certificate No.	107L2/GESEC/Lab/Inst/73	Due Date of Calibration	24/04/2026		
Parameters					
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I,36/2012-13, Page no. 11	µg/m ³	< 100.00	62.42	
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I,36/2012-13, Page no. 15	µg/m ³	< 60.00	26.59	
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I,36/2012-13, Page no. 01	µg/m ³	< 80.00	18.68	
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I,36/2012-13, Page no. 07	µg/m ³	< 80.00	19.74	
Remark					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By					


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Test Report No: -	GESEC/PRO/AAQM/2025-2026/01/762		Report Date	03.02.2026
Sample ID: -	GESEC/PRO/AAQM/2025-2026/01/762			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Cane Yard		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
12:30 PM.	01:30 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30	Wet Bulb Temperature °C	20	
Dry Bulb Temperature °C	30	Relative Humidity % RH	33	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	30.01.2026	30.01.2026	03.02.2026	
Name Of Instrument	Fine Particulate Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	107L1/GESEC/Lab/Inst/74	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/m ³	< 100.00	68.21
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/m ³	< 60.00	32.43
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/m ³	< 80.00	22.60
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/m ³	< 80.00	27.18
Remark:-				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
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Test Report No. -	GESEC/PRO/WZM/2025-2026/01/763	Report Date	03.02.2026	
Sample ID: -	GESEC/PRO/WZM/2025-2026/01/763			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
WORKZONE AIR	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
12:45 PM.	01:45 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30	Wet Bulb Temperature °C	20	
Dry Bulb Temperature °C	30	Relative Humidity % RH	32	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	30.01.2026	30.01.2026	03.02.2026	
Name of Instrument	Handy sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	220412/GESEC/LAB/INST/100	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	< 10	0.764
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	< 5	0.009
Oxides of Nitrogen(NO _x)	GESEC/LAB/SOP/WZM/29	mg/m ³	< 6	0.016
Note:	Limits: As per the Second Schedule of Factories Act /OSHA TWA			
		 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By		

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Test Report No: -	GESEC/PRO/WZM/2025-2026/01/764	Report Date	03.02.2026	
Sample ID: -	GESEC/PRO/WZM/2025-2026/01/764			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling was done by	
Ambient Air	Sugar House		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
02:00 PM.	03:00 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	31	Wet Bulb Temperature °C	20	
Dry Bulb Temperature °C	31	Relative Humidity % RH	30	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	30.01.2026	30.01.2026	03.02.2026	
Name Of Instrument	Handy sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	220413/GESEC/LAB/INST/101	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	< 10	0.596
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	< 5	0.008
Oxides of Nitrogen(NO _x)	GESEC/LAB/SOP/WZM/29	mg/m ³	< 6	0.014
Note:				
➤ Limits: As per Second Schedule of Factories Act /OSHA TWA.				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

END OF REPORT

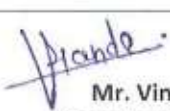
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2025-2026/01/765	Report Date	03.02.2026	
Sample ID -	GESEC/PRO/ST/2025-2026/01/765			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
29.01.2026	30.01.2026	30.01.2026	03.02.2026	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	05/08/2025	
Calibration Certificate No.	5919/GESEC/LAB/INST/33	Due Date of Calibration	04/08/2026	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	3.70	
Height (m)	75			
Temperature (°C)	130	Velocity (m/s)	7.33	
Gas Volume (Nm ³ /Hr)	342797.99			
Parameters	Method	Unit	MPCB Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	46.68
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	14.37
		Kg/day	-	118.22
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/NM³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

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Page 1 of 1

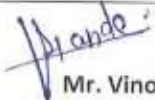
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TEST REPORT

Test Report No	GESEC/PRO/ST/2025-2026/01/766	Report Date	03.02.2026	
Sample ID -	GESEC/PRO/ST/2025-2026/01/766			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
29.01.2026	30.01.2026	30.01.2026	03.02.2026	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	14/02/2025	
Calibration Certificate No.	58L14/GESEC/LAB/INST/60	Due Date of Calibration	13/02/2026	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.50	Pressure	3.20	
Height (m)	72			
Temperature (°C)	125	Velocity (m/s)	6.77	
Gas Volume (Nm³/Hr)	89615.08			
Parameters	Method	Unit	MPCB Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	42.53
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	12.38
		Kg/day	-	26.63
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/Nm³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

END OF REPORT

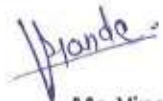


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TEST REPORT				
Test Report No: -	GESEC/PRO/ANLM/2025-2026/01/767	Report Date	03.02.2026	
Sample ID: -	GESEC/PRO/ANLM/2025-2026/01/767			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Noise Sample Details				
Type	Ambient Noise			
Sampling done by	GESEC			
Standard method	AS Pe IS 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	29.01.2026	29.01.2026	29.01.2026	
Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025	
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026	
Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (12:00 P.M.)	Night (10:30 P.M.)	
Near Main Gate	dB(A)	64.9	62.4	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	62.1	59.8	
Near Bagasse Section	dB(A)	68.4	65.1	
Near Sugar Godown	dB(A)	63.9	60.6	
Near Cane Yard	dB(A)	69.7	66.1	
Remark- Centre Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

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TEST REPORT				
Test Report No: -	GESEC/PRO/WNLM/2025-2026/01/768		Report Date	03.02.2026
Sample ID: -	GESEC/PRO/WNLM/2025-2026/01/768			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	AS Pe IS 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date
29.01.2026	29.01.2026	29.01.2026		29.01.2026
Name of Instrument	Sound Level Meter	Date of Calibration		14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration		13/02/2026
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (01:45 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	71.1	67.0	≤ 90
Turbine Section	dB(A)	69.2	65.3	
Boiler Section	dB(A)	76.3	71.9	
Mill Section	dB(A)	74.6	72.7	
Pan Section	dB(A)	73.1	70.4	
Remark-				
➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.				
➤ All above results are within Factories Act 1948 Standards.				
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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/01/769	Report Date	03.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/01/769	Sample Details	ETP Inlet
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	29.01.2026
	Sample Receipt Date	30.01.2026
	Analysis start Date	30.01.2026
	Analysis End Date	03.02.2026

Parameters	Results	Unit	Standard Method
pH	3.48	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	167.54	mg/l	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	3628.67	mg/l	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	3134.43	mg/l	USEPA 410.4
Biochemical Oxygen Demand (BOD)	1257.31	mg/l	USEPA NERL 405.1
Chlorides as Cl ⁻	642.84	mg/l	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	523.74	mg/l	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/l	APHA 5520 D 24 th Edition:2023


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Test Report No: GESEC/PRO/WW/2025-2026/01/770	Report Date	03.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/01/770	Sample Details	ETP Outlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	29.01.2026
	Sample Receipt Date	30.01.2026
	Analysis start Date	30.01.2026
	Analysis End Date	03.02.2026

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.52	6.5-8.5	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	42.73	100	mg/l	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	1275.64	2100	mg/l	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	68.41	250	mg/l	USEPA 410.4
Biochemical Oxygen Demand (BOD)	26.07	100	mg/l	USEPA NERL 405.1
Chlorides as Cl-	194.34	600	mg/l	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO4 --	137.26	1000	mg/l	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/l	APHA 5520 D 24 th Edition:2023

Remark:

➤ All parameters are within the MPCB limit.

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Mr. Vinod Hande
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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/01/771	Report Date	03.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/01/771	Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	29.01.2026
	Sample Receipt Date	30.01.2026
	Analysis start Date	30.01.2026
	Analysis End Date	03.02.2026

Parameters	Results	Unit	Standard Method
pH	6.32	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	148.15	mg/l	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	923.43	mg/l	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	153.20	mg/l	USEPA 410.4
Biochemical Oxygen Demand (BOD)	85.67	mg/l	USEPA NERL 405.1
Chlorides as Cl ⁻	327.71	mg/l	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻²	148.63	mg/l	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/l	APHA 5520 D 24 th Edition:2023

Remark:

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Test Report No: GESEC/PRO/WW/2025-2026/01/772	Report Date	03.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/01/772	Sample Details	Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	29.01.2026
	Sample Receipt Date	30.01.2026
	Analysis start Date	30.01.2026
	Analysis End Date	03.02.2026

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.68	6.5-8.5	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	15.92	100	mg/l	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	621.34	2100	mg/l	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	42.27	250	mg/l	USEPA 410.4
Biochemical Oxygen Demand (BOD)	16.46	100	mg/l	USEPA NERL 405.1
Chlorides as Cl ⁻	124.67	600	mg/l	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	95.08	1000	mg/l	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/l	APHA 5520 D 24 th Edition:2023

Remark:

➤ All parameters are within the MPCB limit.



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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/01/773	Report Date	03.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/01/773	Sample Details	Colony STP Inlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	29.01.2026
	Sample Receipt Date	30.01.2026
	Analysis start Date	30.01.2026
	Analysis End Date	03.02.2026

Parameters	Results	Unit	Standard Method
pH	6.42	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	168.37	mg/l	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	968.23	mg/l	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	165.12	mg/l	USEPA 410.4
Biochemical Oxygen Demand (BOD)	92.41	mg/l	USEPA NERL 405.1
Chlorides as Cl ⁻	176.30	mg/l	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	153.74	mg/l	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/l	APHA 5520 D 24 th Edition:2023

Remark:

➤ All parameters are within the MPCB limit.

Handwritten Signature
Mr. Vinod Hande
(Technical Manager)
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Page 1 of 1



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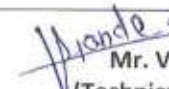
TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/01/774	Report Date	03.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/01/774	Sample Details	Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	29.01.2026
	Sample Receipt Date	30.01.2026
	Analysis start Date	30.01.2026
	Analysis End Date	03.02.2026

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.59	6.5-8.5	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	18.38	100	mg/l	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	587.63	2100	mg/l	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	43.75	250	mg/l	USEPA 410.4
Biochemical Oxygen Demand (BOD)	16.37	100	mg/l	USEPA NERL 405.1
Chlorides as Cl ⁻	127.68	600	mg/l	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	72.21	1000	mg/l	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/l	APHA 5520 D 24 th Edition:2023

Remark:

➤ All parameters are within the MPCB limit.


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TEST REPORT				
Test Report No – GESEC/PRO/DW/2025-2026/01/775		Date of Reporting		03.02.2026
Sample ID - GESEC/PRO/DW/2025-2026/01/775		Sample Details		Drinking Water (Laboratory)
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).		Type of Sample		Water
		Volume Of Sample		2 Lit
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		29.01.2026
		Date of Sample received in lab		30.01.2026
		Analysis start Date		30.01.2026
		Analysis End Date		03.02.2026
WATER ANALYSIS REPORT				
Parameter	Result	Limits as per IS 10500:2012 (8421365421)	Unit(s)	Standard Method
Physical Parameter				
Turbidity	<0.1	<1	NTU	APHA 2130 B24 th Edition:2023
TDS	95.27	<500	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Parameter				
pH	7.36	6.5 to 8.5	--	APHA 4500 H+ B 24 th Ed: 2023
Total Hardness	46.25	<200	mg/lit	APHA 2340 C 24 th Ed: 2023
Total Alkalinity	32.63	<200	mg/lit	APHA 2320 B 24 th Ed: 2023
Sulphate	3.07	<200	mg/lit	APHA 4500-SO4 - E 24 th Ed: 2023
Residual Chlorine	BDL	<0.2	mg/lit	EPA 334.0,
Chloride	9.28	<250	mg/lit	APHA 4500-Cl-B 24 th Ed: 2023
Calcium (as Ca)	12.49	<75	mg/lit	APHA 3500-Ca B 24 th Ed: 2023
Magnesium (as Mg)	3.37	<30	mg/lit	IS 3025 (Part 46):2023
Elemental Analysis				
Iron as Fe	<0.1	<0.3	mg/lit	EPA200.7
Microbiological Parameter				
Total Coliform	Absent	Absent	/100ml	FSSAI manual Microbiology methods FSSAI 15.025:2023
<i>E. coli.</i>	Absent	Absent	/100ml	FSSAI manual Microbiology methods FSSAI 15.025:2023
Remark(s):				
➤ All the above results are well within the MPCB Limit.				
➤ The above water sample is completed with the required limit as per 10500:2012 (Reaff:2023) for above tested parameters.				
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Page 1 of 1



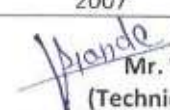
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TEST REPORT

Test Report No: GESEC/PRO/SW/2025-2026/01/776	Report Date		03.02.2026
Sample ID: GESEC/PRO/SW/2025-2026/01/776	Sample Details		ETP Sludge Sample
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample		Solid
	Volume Of Sample		1 Lit plastic bottle
	Sample Status		Sealed
	Sample Collected By		GESEC
	Date of Sample Collection		29.01.2026
	Sample Receipt Date		30.01.2026
	Analysis start Date		30.01.2026
	Analysis End Date		03.02.2026
Parameters	Results	Unit	Standard Method
pH	8.56	--	CPCB Manual LATS/16/2003-2004,Ch.7,7.4page no.167
Total Solids	86.23	%	GESEC /SOP/A-01
Total Volatile Solids	19.95	%	GESEC/LAB/SOP/SW/39
Moisture Content	15.26	%	CPCB Manual LATS/16/2003-2004,Ch.4,4.7.2Page no.34
Organic Carbon	07.12	%	IS 3025 10158: 2019
Calcium	9462.53	mg/kg	ICARDA-Methods of soil, plant and water analysis, Page No.113-116:2013
Magnesium	4052.64	mg/kg	ICARDA-Methods of soil, Plant and Water analysis, Page No.113-116:2016
Potassium as K	7352.36	mg/kg	USEPA/SW 846/6010 C,Rev 3, feb 2007
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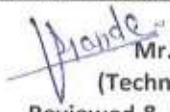
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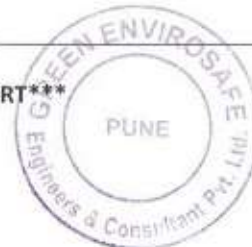


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TEST REPORT

Test Report No: GESEC/PRO/SL/2025-2026/01/777	Report Date	03.02.2026	
Sample ID : GESEC/PRO/SL/2025-2026/01/777	Sample Details	Soil	
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample	Solid	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	29.01.2026	
	Sample Receipt Date	30.01.2026	
	Analysis start Date	30.01.2026	
	Analysis End Date	03.02.2026	
Parameters	Results	Unit	Standard Method
Nitrogen (N)	182.37	Kg/ha	ICARDA-Methods of soil, plant and water analysis, Page No.87-89:2013
Available Phosphorous (P)	26.91	Kg/ha	ISRIC,Page No.14-1:2002
Available Potassium	160.45	Kg/ha	Food and Agriculture Organization Sec III,8-1,Page no115
Organic Carbon	0.42	%	ICARDA-Methods of soil, plant and water analysis, Page No.74 :2013
Organic Matter	0.70	%	ICARDA-Methods of soil, Plant and water analysis, Page No. 74:2013
Water Soluble Chloride (Cl ⁻)	186.34	mg/kg	Soil Analysis a laboratory manual PK Behera Page no.54 & 55
Water Soluble Sulphate (SO ₄)	152.78	mg/kg	ICARDA -3rd Edition methods of soil, plant, and water analysis: A manual for the West Asia and North Africa region page no.120-121:2013
Sodium Absorption Ratio	1.32	-----	Food and agriculture organization of the United nation Page no14:2016
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Page 1 of 1

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TEST REPORT			
Test Report No: GESEC/PRO/SW/2025-2026/01/778	Report Date	03.02.2026	
Sample ID : GESEC/PRO/SW/2025-2026/01/778	Sample Details	Ash Sample	
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample	Solid	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	29.01.2026	
	Sample Receipt Date	30.01.2026	
	Analysis start Date	30.01.2026	
	Analysis End Date	03.02.2026	
Parameters	Results	Unit	Standard Method
Moisture Contain	3.23	%	CPCB Manual LATS/16/2003-2004,Ch.4,4.7.2Page no.34
Total Solid	95.67	%	GESEC /SOP/A-01
Total Volatile Solid	7.85	%	GESEC/LAB/SOP/SW/39
Iron	1.75	mg/kg	GESEC/LAB/SOP/ICP-OES/05
Lead	BDL	mg/kg	GESEC/LAB/SOP/ICP-OES/05
Total Phosphate (as P ₂ O ₅)	352.31	mg/kg	ISRIC,Page No.14-1:2002
Total Nitrogen (as N)	0.18	%	ICARDA-Methods of Soil, Plant and Water analysis, Page No.87-89:2029
Zinc	141.36	mg/kg	GESEC/LAB/SOP/ICP-OES/05
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Test Report No: GESEC/PRO/SW/2025-26/01/779	Report Date	03.02.2026
Sample ID : GESEC/PRO/SW/2025-26/01/779	Sample Details	Lime
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample	Solid
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	29.01.2026
	Sample Receipt Date	30.01.2026
	Analysis start Date	30.01.2026
	Analysis End Date	03.02.2026

Parameters	Results	Unit	Standard Method
Moisture Contain	67.23	%	CPCB Manual LATS/16/2003-2004,Ch.4,4.7.2Page no.34
Total Solid	34.61	%	GESEC /SOP/A-01
Total Volatile Solid	8.23	%	GESEC/LAB/SOP/SW/39
Iron	0.82	mg/kg	GESEC/LAB/SOP/ICP-OES/05
Lead	BDL	mg/kg	GESEC/LAB/SOP/ICP-OES/05
Total Phosphate (as P ₂ O ₅)	123.42	mg/kg	ISRIC, Page No.14-1:2002
Total Nitrogen (as N)	0.49	%	ICARDA-Methods of Soil, Plant and Water analysis, Page No.87-89:2013
Zinc	76.09	mg/kg	GESEC/LAB/SOP/ICP-OES/05

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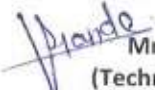


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TEST REPORT

Test Report No: GESEC/PRO/SW/2025-2026/01/780	Report Date	03.02.2026
Sample ID : GESEC/PRO/SW/2025-2026/01/780	Sample Details	Press Mud
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample	Solid
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	29.01.2026
	Sample Receipt Date	30.01.2026
	Analysis Start Date	30.01.2026
	Analysis End Date	03.02.2026

Parameters	Results	Unit	Standard Method
pH	7.58	--	CPCB Manual LATS/16/2003-2004,Ch.7,7.4page no.167
Organic Carbon	9.32	%	GESEC/LAB/SOP/SW/39
Moisture Content	43.29	%	CPCB Manual LATS/16/2003-2004,Ch.4,4.7.2Page no.34
Residual Ash	0.42	%	GESEC/SOP/COM-8-2
C/N Ratio	14.25	--	IS 16556:2016 Annex K
Nitrogen as N	73.36	mg/kg	IS 16556:2016 Annex J
Phosphorous as P	19.14	mg/kg	IS 16556:2016 Annex G
Potassium as K	46.28	mg/kg	IS 16556:2016 Annex H


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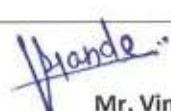

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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2025-2026/02/174		Report Date	16.02.2026
Sample ID: -	GESEC/PRO/AAQM/2025-2026/02/174			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Main Gate		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
10:00 AM.	11:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	25	Wet Bulb Temperature °C	15	
Dry Bulb Temperature °C	25	Relative Humidity % RH	33	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2026	12.02.2026	12.02.2026	16.02.2026	
Name of Instrument	Fine Dust Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	FDS 24/GESEC/Lab/Inst/70	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/m ³	< 100.00	62.75
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/m ³	< 60.00	27.34
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/m ³	< 80.00	19.09
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/m ³	< 80.00	21.86
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2025-2026/02/175		Report Date	16.02.2026	
Sample ID: -	GESEC/PRO/AAQM/2025-2026/02/175				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Near ETP		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
10:20 AM.	11:20 AM.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	26	Wet Bulb Temperature °C	16		
Dry Bulb Temperature °C	26	Relative Humidity % RH	30		
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
11.02.2026	12.02.2026	12.02.2026	16.02.2026		
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	25/04/2025		
Calibration Certificate No.	107L2/GESEC/Lab/Inst/73	Due Date of Calibration	24/04/2026		
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/m ³	< 100.00	60.36	
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/m ³	< 60.00	24.73	
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/m ³	< 80.00	18.45	
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/m ³	< 80.00	17.29	
Remark					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2025-2026/02/176		Report Date	16.02.2026
Sample ID: -	GESEC/PRO/AAQM/2025-2026/02/176			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Cane Yard		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
10:30 AM.	11:30 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	27	Wet Bulb Temperature °C	17	
Dry Bulb Temperature °C	27	Relative Humidity % RH	30	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2026	12.02.2026	12.02.2026	16.02.2026	
Name Of Instrument	Fine Particulate Sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	107L1/GESEC/Lab/Inst/74	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 11	µg/m ³	< 100.00	66.41
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/m ³	< 60.00	30.28
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/m ³	< 80.00	13.23
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/m ³	< 80.00	24.35
Remark:-				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
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TEST REPORT				
Test Report No. -	GESEC/PRO/WZM/2025-2026/02/177		Report Date	16.02.2026
Sample ID. -	GESEC/PRO/WZM/2025-2026/02/177			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
Workzone Air	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
10:45 AM.	11:45 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	27	Wet Bulb Temperature °C	17	
Dry Bulb Temperature °C	27	Relative Humidity % RH	30	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2026	12.02.2026	12.02.2026	16.02.2026	
Name of Instrument	Handy sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	220412/GESEC/LAB/INST/100	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	< 10	0.689
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	< 5	0.008
Oxides of Nitrogen(NO _x)	GESEC/LAB/SOP/WZM/29	mg/m ³	< 6	0.014
Note:				
➤ Limits: As per the Second Schedule of Factories Act /OSHA TWA				



Hande
Mr. Vinod Hande
(Technical Manager)
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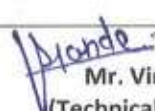
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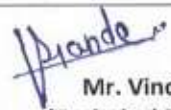
TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2025-2026/02/178		Report Date	16.02.2026
Sample ID: -	GESEC/PRO/WZM/2025-2026/02/178			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling was done by	
Workzone Air	Sugar House		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
12:00 PM.	01:00 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	28	Wet Bulb Temperature °C	18	
Dry Bulb Temperature °C	28	Relative Humidity % RH	29	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2026	12.02.2026	12.02.2026	16.02.2026	
Name Of Instrument	Handy sampler	Date Of Calibration	25/04/2025	
Calibration Certificate No.	220413/GESEC/LAB/INST/101	Due Date of Calibration	24/04/2026	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	< 10	0.632
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	< 5	0.008
Oxides of Nitrogen(NO _x)	GESEC/LAB/SOP/WZM/29	mg/m ³	< 6	0.014
Note:				
➤ Limits: As per Second Schedule of Factories Act /OSHA TWA.				
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2025-2026/02/179	Report Date	16.02.2026	
Sample ID -	GESEC/PRO/ST/2025-2026/02/179			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
11.02.2026	12.02.2026	12.02.2026	16.02.2026	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	05/08/2025	
Calibration Certificate No.	5919/GESEC/LAB/INST/33	Due Date of Calibration	04/08/2026	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	3.65	
Height (m)		75		
Temperature (°C)	135	Velocity (m/s)	7.32	
Gas Volume (Nm ³ /Hr)	338381.24			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	42.20
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	12.43
		Kg/day	-	100.95
Remarks-				
> Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/NM ³ . > Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2025-2026/02/180	Report Date	16.02.2026	
Sample ID -	GESEC/PRO/ST/2025-2026/02/180			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
11.02.2026	12.02.2026	12.02.2026	16.02.2026	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	14/02/2025	
Calibration Certificate No.	58L14/GESEC/LAB/INST/60	Due Date of Calibration	13/02/2026	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.50	Pressure	3.15	
Height (m)		72		
Temperature (°C)	130	Velocity (m/s)	6.76	
Gas Volume (Nm ³ /Hr)	88358.95			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	40.53
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	11.46
		Kg/day	-	24.30
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/Nm ³ .				
➤ Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				
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TEST REPORT				
Test Report No: -	GESEC/PRO/ANLM/2025-2026/02/181	Report Date	16.02.2026	
Sample ID: -	GESEC/PRO/ANLM/2025-2026/02/181			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Noise Sample Details				
Type	Ambient Noise			
Sampling done by	GESEC			
Standard method	AS Pe IS 8999:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2026	11.02.2026	11.02.2026	11.02.2026	
Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025	
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026	
Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (12:30 P.M.)	Night (10:15 P.M.)	
Near Main Gate	dB(A)	66.1	63.4	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	64.9	61.2	
Near Bagasse Section	dB(A)	68.4	64.9	
Near Sugar Godown	dB(A)	62.8	59.6	
Near Cane Yard	dB(A)	64.1	62.1	
Remark- Centre Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.				
		 Page 1 of 1		Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

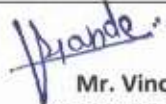
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TEST REPORT				
Test Report No: -	GESEC/PRO/WNLM/2025-2026/02/182		Report Date	16.02.2026
Sample ID: -	GESEC/PRO/WNLM/2025-2026/02/182			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	AS Pe IS 8999:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date
11.02.2026	11.02.2026	11.02.2026		11.02.2026
Name of Instrument	Sound Level Meter	Date of Calibration		14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration		13/02/2026
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (01:45 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	68.9	65.2	≤ 90
Turbine Section	dB(A)	66.3	62.7	
Boiler Section	dB(A)	74.6	70.4	
Mill Section	dB(A)	72.9	69.7	
Pan Section	dB(A)	64.6	61.0	
Remark-				
<ul style="list-style-type: none"> ➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure. ➤ All above results are within Factories Act 1948 Standards. 				
 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By				

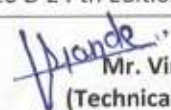
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2025-2026/02/183	Report Date	16.02.2026	
Sample ID : GESEC/PRO/WW/2025-2026/02/183	Sample Details	ETP Inlet	
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	11.02.2026	
	Sample Receipt Date	12.02.2026	
	Analysis start Date	12.02.2026	
	Analysis End Date	16.02.2026	
Parameters	Results	Unit	Standard Method
pH	3.32	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	172.43	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	2756.29	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	3037.24	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	1069.43	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	597.19	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ²⁻	412.56	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2025-2026/02/184		Report Date		16.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/02/184		Sample Details		ETP Outlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		11.02.2026
		Sample Receipt Date		12.02.2026
		Analysis start Date		12.02.2026
		Analysis End Date		16.02.2026
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.62	6.5-8.5	--	APHA 4500 H+ B 24 th Edition:2023
Suspended Solids (SS)	42.09	100	mg/lit	APHA 2540 D 24 th Edition:2023
Total Dissolved Solids (TDS)	1085.56	2100	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Oxygen Demand (COD)	65.31	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	24.02	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl-	185.23	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO4 --	121.42	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:				
➤ All parameters are within the MPCB limit.				
 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By				

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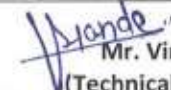
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2025-2026/02/185		Report Date	16.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/02/185		Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	11.02.2026
		Sample Receipt Date	12.02.2026
		Analysis start Date	12.02.2026
		Analysis End Date	16.02.2026
Parameters	Results	Unit	Standard Method
pH	6.21	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	186.43	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1024.70	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	198.24	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	124.62	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	386.75	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	210.34	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023
		 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

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TEST REPORT				
Test Report No: GESEC/PRO/WW/2025-2026/02/186	Report Date	16.02.2026		
Sample ID : GESEC/PRO/WW/2025-2026/02/186	Sample Details	Factory STP Outlet 50 KLPD		
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water		
	Volume Of Sample	1 Lit plastic bottle		
	Sample Status	Sealed		
	Sample Collected By	GESEC		
	Date of Sample Collection	11.02.2026		
	Sample Receipt Date	12.02.2026		
	Analysis start Date	12.02.2026		
	Analysis End Date	16.02.2026		
	Parameters	Results	MPCB LIMIT	Unit
pH	7.52	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	16.63	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	712.58	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	45.74	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	16.85	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	173.29	600	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻²	124.43	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/lit	APHA 5520 D 24 th Edition:2023
Remark:				
➤ All parameters are within the MPCB limit.				
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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/02/187	Report Date	16.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/02/187	Sample Details	Colony STP Inlet 100 KLDP
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	11.02.2026
	Sample Receipt Date	12.02.2026
	Analysis start Date	12.02.2026
	Analysis End Date	16.02.2026

Parameters	Results	Unit	Standard Method
pH	6.27	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	185.31	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	1042.43	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	195.74	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	94.37	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	321.18	mg/lit	APHA 4500-Cl-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	218.56	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	mg/lit	APHA 5520 D 24 th Edition:2023



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TEST REPORT

Test Report No: GESEC/PRO/WW/2025-2026/02/188	Report Date	16.02.2026
Sample ID : GESEC/PRO/WW/2025-2026/02/188	Sample Details	Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	11.02.2026
	Sample Receipt Date	12.02.2026
	Analysis start Date	12.02.2026
	Analysis End Date	16.02.2026

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.42	6.5-8.5	--	APHA 4500 H+,B, 24 th Edition: 2023
Suspended Solids (SS)	16.63	100	mg/lit	APHA 2540, D, 24 th Edition: 2023
Total Dissolved Solids (TDS)	623.41	2100	mg/lit	APHA 2540,C, 24 th Edition: 2023
Chemical Oxygen Demand (COD)	43.20	250	mg/lit	USEPA 410.1
Biochemical Oxygen Demand (BOD)	15.58	100	mg/lit	USEPA NERL 405.1
Chlorides as Cl ⁻	172.36	600	mg/lit	APHA 4500-CI-B 24 th Edition:2023
Sulphates as SO ₄ ⁻	126.42	1000	mg/lit	APHA 4500-SO4 E 24 th Edition:2023
Oil & Grease	< 5	10	mg/lit	APHA 5520 D 24 th Edition:2023

Remark:

➤ All parameters are within the MPCB limit.



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TEST REPORT		
Test Report No – GESEC/PRO/DW/2025-2026/189	Date of Reporting	16.02.2026
Sample ID - GESEC/PRO/DW/2025-2026/189	Sample Details	Drinking Water (Laboratory)
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample	Water
	Volume Of Sample	2 Lit
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	11.02.2026
	Date of Sample received in lab	12.02.2026
	Analysis start Date	12.02.2026
	Analysis End Date	16.02.2026

WATER ANALYSIS REPORT				
Parameter	Result	Limits as per IS 10500:2012 (Reaff:2023)	Unit(s)	Standard Method
Physical Parameter				
Turbidity	<0.1	<1	NTU	APHA 2130 B24 th Edition:2023
TDS	102.63	<500	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Parameter				
pH	7.46	6.5 to 8.5	--	APHA 4500 H+ B 24 th Ed: 2023
Total Hardness	51.27	<200	mg/lit	APHA 2340 C 24 th Ed: 2023
Total Alkalinity	39.54	<200	mg/lit	APHA 2320 B 24 th Ed: 2023
Sulphate	3.46	<200	mg/lit	APHA 4500-SO4 - E 24 th Ed: 2023
Residual Chlorine	BDL	<0.2	mg/lit	EPA 334.0,
Chloride	10.31	<250	mg/lit	APHA 4500-Cl-B 24 th Ed: 2023
Calcium (as Ca)	14.24	<75	mg/lit	APHA 3500-Ca B 24 th Ed: 2023
Magnesium (as Mg)	3.94	<30	mg/lit	IS 3025 (Part 46):2023
Elemental Analysis				
Iron as Fe	<0.1	<0.3	mg/lit	EPA200.7
Microbiological Parameter				
Total Coliform	Absent	Absent	/100ml	FSSAI manual Microbiology methods FSSAI 15.025:2023
E. coli.	Absent	Absent	/100ml	FSSAI manual Microbiology methods FSSAI 15.025:2023

Remark(s):

> The above water sample is completed with the required limit as per 10500:2012 (Reaff:2023) for above tested parameters.



Handwritten Signature
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TEST REPORT

Test Report No: -	GESEC/PRO/ANLM/2025-2026/11/778	Report Date	01.12.2025
Sample ID: -	GESEC/PRO/ANLM/2025-2026/11/778		

Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)
--------------------------------	--

Ambient Noise Sample Details

Type	Ambient Noise
Sampling done by	GESEC
Standard method	GESEC/LAB/NLM/ST/31

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
26.11.2025	-	-	-

Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026

Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (12:45 P.M.)	Night (10:20 P.M.)	
Near Main Gate	dB(A)	66.7	62.2	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	59.6	54.7	
Near Bagasse Section	dB(A)	62.4	57.3	
Near Sugar Godown	dB(A)	60.8	59.2	
Near Cane Yard	dB(A)	69.6	65.8	

Remark-
 ➤ Centre Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.

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TEST REPORT

Test Report No: -	GESEC/PRO/WNLM/2025-2026/11/779	Report Date	01.12.2025
Sample ID: -	GESEC/PRO/WNLM/2025-2026/11/779		

Name & Address of the Customer
M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)

Work Zone Noise Sample Details

Type	Work Zone Noise
Sampling done by	GESEC
Standard method	GESEC/LAB/NLM/ST/31

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
26.11.2025	-	-	-

Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026

Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (01:45 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	74.2	72.3	≤ 90
Turbine Section	dB(A)	72.4	68.9	
Boiler Section	dB(A)	76.1	74.1	
Mill Section	dB(A)	78.3	75.7	
Pan Section	dB(A)	71.5	68.2	

Remark-
➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.
➤ All above results are within Factories Act 1948 Standards.

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TEST REPORT

Test Report No: -	GESEC/PRO/ANLM/2025-2026/12/1002	Report Date	30.12.2025
Sample ID: -	GESEC/PRO/ANLM/2025-2026/12/1002		

Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)
--------------------------------	--

Ambient Noise Sample Details

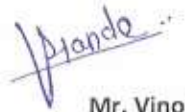
Type	Ambient Noise
Sampling done by	GESEC
Standard method	AS Pe IS 9989:2020

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
25.12.2025	25.12.2025	25.12.2025	25.12.2025

Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026

Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (12:45 P.M.)	Night (10:20 P.M.)	
Near Main Gate	dB(A)	67.2	63.4	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	69.3	53.7	
Near Bagasse Section	dB(A)	73.1	64.3	
Near Sugar Godown	dB(A)	71.9	65.7	
Near Cane Yard	dB(A)	74.4	69.1	

Remark-Centre Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.



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TEST REPORT

Test Report No: -	GESEC/PRO/WNLM/2025-2026/12/1003	Report Date	30.12.2025
Sample ID: -	GESEC/PRO/WNLM/2025-2026/12/1003		

Name & Address of the Customer
M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)

Work Zone Noise Sample Details

Type	Work Zone Noise
Sampling done by	GESEC
Standard method	AS Pe IS 9989:2020

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
25.12.2025	25.12.2025	25.12.2025	25.12.2025

Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026

Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (01:45 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	77.3	68.3	≤ 90
Turbine Section	dB(A)	74.5	69.7	
Boiler Section	dB(A)	78.6	64.1	
Mill Section	dB(A)	77.6	67.8	
Pan Section	dB(A)	72.8	65.2	

Remark-
 ➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.
 ➤ All above results are within Factories Act 1948 Standards.



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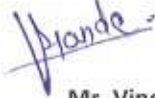
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Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No: -	GESEC/PRO/ANLM/2025-2026/01/767	Report Date	03.02.2026	
Sample ID: -	GESEC/PRO/ANLM/2025-2026/01/767			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Noise Sample Details				
Type	Ambient Noise			
Sampling done by	GESEC			
Standard method	AS Pe IS 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	29.01.2026	29.01.2026	29.01.2026	
Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025	
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026	
Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (12:00 P.M.)	Night (10:30 P.M.)	
Near Main Gate	dB(A)	64.9	62.4	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	62.1	59.8	
Near Bagasse Section	dB(A)	68.4	65.1	
Near Sugar Godown	dB(A)	63.9	60.6	
Near Cane Yard	dB(A)	69.7	66.1	
Remark- Centre Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

END OF REPORT



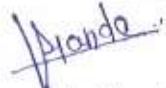
Page 1 of 1

Terms and conditions

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TEST REPORT				
Test Report No: -	GESEC/PRO/WNLM/2025-2026/01/768		Report Date	03.02.2026
Sample ID: -	GESEC/PRO/WNLM/2025-2026/01/768			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	AS Pe IS 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
29.01.2026	29.01.2026	29.01.2026	29.01.2026	
Name of Instrument	Sound Level Meter	Date of Calibration	14/02/2025	
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026	
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (01:45 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	71.1	67.0	≤ 90
Turbine Section	dB(A)	69.2	65.3	
Boiler Section	dB(A)	76.3	71.9	
Mill Section	dB(A)	74.6	72.7	
Pan Section	dB(A)	73.1	70.4	
Remark-				
➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.				
➤ All above results are within Factories Act 1948 Standards.				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

END OF REPORT




Page 1 of 1

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TEST REPORT				
Test Report No: -	GESEC/PRO/ANLM/2025-2026/02/181	Report Date	16.02.2026	
Sample ID: -	GESEC/PRO/ANLM/2025-2026/02/181			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Noise Sample Details				
Type	Ambient Noise			
Sampling done by	GESEC			
Standard method	AS Pe IS 8999:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2026	11.02.2026	11.02.2026	11.02.2026	
Name Of Instrument	Sound Level Meter	Date of Calibration	14/02/2025	
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026	
Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (12:30 P.M.)	Night (10:15 P.M.)	
Near Main Gate	dB(A)	66.1	63.4	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	64.9	61.2	
Near Bagasse Section	dB(A)	68.4	64.9	
Near Sugar Godown	dB(A)	62.8	59.6	
Near Cane Yard	dB(A)	64.1	62.1	
Remark- Centre Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.				
		 Page 1 of 1		Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By


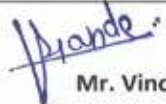
END OF REPORT

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TEST REPORT				
Test Report No: -	GESEC/PRO/WNLM/2025-2026/02/182	Report Date	16.02.2026	
Sample ID: -	GESEC/PRO/WNLM/2025-2026/02/182			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	AS Pe IS 8999:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2026	11.02.2026	11.02.2026	11.02.2026	
Name of Instrument	Sound Level Meter	Date of Calibration	14/02/2025	
Calibration Certificate No.	GESEC/Lab/Inst/29	Due Date of Calibration	13/02/2026	
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (01:45 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	68.9	65.2	≤ 90
Turbine Section	dB(A)	66.3	62.7	
Boiler Section	dB(A)	74.6	70.4	
Mill Section	dB(A)	72.9	69.7	
Pan Section	dB(A)	64.6	61.0	
Remark-				
<ul style="list-style-type: none"> > The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure. > All above results are within Factories Act 1948 Standards. 				
				 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

END OF REPORT

Page 1 of 1

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K.A. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd Hupari			
Environmental Management Plan (EMP)			
Sr.No	Discription	Capital Cost (Rs.in Lakhs) Till to date	Annual O& M (Rs.in Lakhs) 01/10/2025 to 31/03/2026
1	APC Equipment	0.00	2.55
2	E.T.P & Upgradation	0.00	76.19
3	Environmental Monitoring	0.00	0.00
4	Green Belt Augmentation Plan	0.00	0.86
Total		0.00	79.60
		0	
K.A.Jawahar Shetkari Sahakari Sakhar Karkhana Ltd Hupari			
Corporate Environmental Responsibility (CER)			
Sr. No	CER Activity	(Rs.in Lakhs) 01/10/2025 to 31/03/2026	
1	Sports Promotion funding	6.32	
2	Funding for Social Activities	23.61	
3	Medical Aid	10.93	
4	Funding for Education	1.25	
5	Funding for Cultural Programmes	0.00	
6	Provision of Drinking Water Facility	0.00	
7	Drip Irrigation Subsidy	6.60	
Total		48.71	

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		0	
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जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

श्री कल्लाप्पाणा आवाडेनगर, हुपरी-यळगूड ४१६ २०३, ता.हातकणंगले, जि.कोल्हापूर. (महाराष्ट्र)
फोन (०२३०) २४५०४०२ (५ लाईन्स), फॅक्स (०२३०) २४५०४०१, ई-मेल : kprjsssk@gmail.com

जा.क्र. उत्पादन/ई.टी.पी./२०२०-२१

दि.०५/१२/२०२०

प्रति,
मा. सरपंच/ग्राम विकास अधिकारी,
ग्रामपंचायत,
मौजे रेंदाळ,
ता.हातकणंगले, जि.कोल्हापूर.

विषय- एन्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

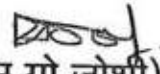
महोदय,

आमच्या कारखान्याने ऊस गाळप क्षमतेचे प्रतिदिन १२००० मे.टनावरून प्रतिदिन १६००० मे.टनापर्यंत विस्तारीकरण करण्यास मंजुरी मिळण्यासाठी पर्यावरण, वने व जल वायु परिवर्तन मंत्रालय, भारत सरकार नवी दिल्ली यांच्याकडे प्रस्ताव सादर केलेला होता. त्यास अनुसरून भारत सरकारच्या पर्यावरण मंत्रालयाकडून कारखान्यास पत्र क्रं. F.No.1A-J-11011/146/2020-IA II (I), दिनांक ०१ डिसेंबर २०२० अन्वये एन्हीरॉनमेंटल क्लिअरन्स मिळालेला आहे.

आपले माहिती करीता सादर.

कळावे,

आपला विश्वासू
जवाहर शे.सह.सा. का. लि.करिता

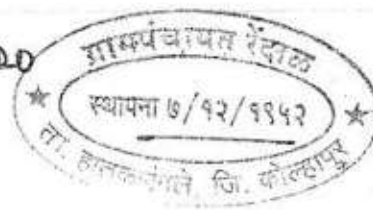

(म.गो.जोशी)
कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.

आवक नं. १६३ दि.०५/१२/२०२०

ग्रामपंचायत रेंदाळ

ता. हातकणंगले जि. कोल्हापूर.



जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

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जा.क्र. उत्पादन/ई.टी.पी./२०२०-२१

दि. ०५/१२/२०२०

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मौजे यळगुड,
ता.हातकणंगले, जि.कोल्हापूर.

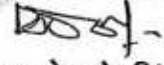
विषय- एन्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

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आपले माहिती करीता सादर.

कळावे,

आपला विश्वासू
जवाहर शे.सह.सा. का. लि.करिता

(म.गो.जोशी)
कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.



प्रत मिळाली
दि. ५/१२/२०२०

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

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जा.क्र.उत्पादन/ई.टी.पी/४१२ /२०२०-२१

दि.०५/१२/२०२०

प्रति,

मा. नगराध्यक्षा/मुख्याधिकारी,
हुपरी नगर परिषद, हुपरी
ता.हातकणंगले, जि.कोल्हापूर.

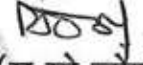
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आपले माहिती करीता सादर.

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जवाहर शे.सह.सा. का. लि.करिता

(म.गो.जोशी)
कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.

हुपरी नगरपरिषद हुपरी
आवक क्र. - २३६५/२०२५२१
दि. ५/१२/२०२०

SC

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

श्री कल्लाप्पाणा आवाडेनगर, हुपरी-यळगूड ४१६ २०३, ता.हातकणंगले, जि.कोल्हापूर. (महाराष्ट्र)

फोन (०२३०) २४५०४०२ (५ लाईन्स), फॅक्स (०२३०) २४५०४०९, ई-मेल : kprjsssk@gmail.com

जा.क्र. उत्पादन/ई.टी.पी./२०२०-२१

दि.०५/१२/२०२०

प्रति,

मा. मुख्य कार्यकारी अधिकारी,

जिल्हा परिषद,

नागाळा पार्क,

कोल्हापूर.

विषय- एन्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

महोदय,

आमच्या कारखान्याने ऊस गाळप क्षमतेचे प्रतिदिन १२००० मे.टनावरुन प्रतिदिन १६००० मे.टनापर्यंत विस्तारीकरण करण्यास मंजुरी मिळण्यासाठी पर्यावरण, वने व जल वायु परिवर्तन मंत्रालय, भारत सरकार नवी दिल्ली यांच्याकडे प्रस्ताव सादर केलेला होता. त्यास अनुसरुन भारत सरकारच्या पर्यावरण मंत्रालयाकडुन कारखान्यास पत्र क्रं. F.No.IA-J-11011/146/2020-IA II (I), दिनांक ०९ डिसेंबर २०२० अन्वये एन्हीरॉनमेंटल क्लिअरन्स मिळालेला आहे.

आपले माहिती करीता सादर.

कळावे,

आपला विश्वासू

जवाहर शे.सह.सा. का. लि.करिता

[Signature]

(म.गो.जोशी)

कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

Proposal No	IA-J-11011/146/2020-IA II (I)
Compliance ID	495412778
Compliance Number(For Tracking)	EC/M/COMPLIANCE/495412778/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	29-11-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur
Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.	



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000080928

Submitted Date

26-07-2025

PART A

Company Information

Company Name

Kallappanna Awade Jawahar Shetkari
Sahakari Sakhar Karkhana Ltd.,

Application UAN number

MPCB CONSENT-0000139860

Address

Gat No. 315/7 to 315/15, Hupari - Yalgud,
Tal. Hatkanangale, Dist. Kolhapur.

Plot no

Gat No. 315/7 to 315/15

Taluka

Hatkanangale

Village

Hupari - Yalgud

Capital Investment (In lakhs)

34365

Scale

L.S.I

City

Hupari

Pincode

416203

Person Name

Manohar Gopal Joshi

Designation

Managing Director

Telephone Number

9822130896

Fax Number

02302450401

Email

kprjsssk@gmail.com

Region

SRO-Satara

Industry Category

Red

Industry Type

R12 Sugar (excluding Khandsari)

Last Environmental statement submitted online

yes

Consent Number

Format1.0/CAC/UAN No. MPCB
CONSENT-0000139860/CR/2211000580

Consent Issue Date

2022-11-08

Consent Valid Upto

2025-07-31

Establishment Year

1993

Date of last environment statement submitted

Jul 11 2024 12:00:00:000AM

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

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Sugar	210483	164673	MT/A
Electric Power (Co-generation)	28.5	24.63	Mwh

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Molasses	58240	58140	MT/A
Bagasses	436800	369720	MT/A

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
Cooling	2050.00	31.00
Domestic	1131.00	100.00
All others	328.00	328.00
Total	0.00	0.00
	3509.00	459.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	1430	661	CMD
Domestic Effluent	125	80	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	0.079	0.072	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	8.16	8.23	Ton/Ton
Lime	0.010	0.010	Ton/Ton
Sulfur	0.0032	0.0032	Ton/Ton
Orthophosphoric Acid	0.000028	0.0000017	Ton/Ton
Caustic Soda	0.000037	0.000041	Ton/Ton
Oil	0.00013	0.00019	Ton/Ton
Grease	0.00013	0.000059	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	436800	196356.107	MT/A

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH, Temp, Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
pH	0	7.48	84.7	9.0	00
Oil & Grease	0	0	0	10	00
BOD	14.58	24.19	24.19	100	00

Sulphate	81.76	135.60	13.56	1000	00
Suspended Solids	17.73	29.41	29.41	100	00
COD	43.60	47.48	28.92	250	00
Chloride	112.3	186.35	31.0	600	00
Total Dissolved Solids	874.82	1450.78	69.08	2100	00

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
TPM- Boiler Stack 1 (90+20 TPH)	327.5	42.93	28.62	150	00
SO2 Boiler Stack 2 (90+20 TPH)	95.74	12.55	0	--	00
TPM- Boiler Stack 2 (75 TPH)	79.39	38.65	25.74	150	00
SO2 Boiler Stack 2 (75 TPH)	22.33	10.87	0	--	00

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	2.64	1.449	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
NA	00	00	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	3507	2970	MT/A
ETP Sludge	258.6	160.34	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	1.906	1.449	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	1.449	KL/A	Concentration in liquid form

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	2970	MT/A	Solid
ETP Sludge	160.34	MT/A	Semi-Solid

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)
---	0	0	0	0	0	0

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)
Effluent Treatment Plant	Capital Cost	569
Air pollution Control Equipment	Capital Cost	1103
Environmental Monitoring	Capital Cost	31.15
Green Belt Development	O & M Cost per year-2024-25	10.32

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
--	00	0.00

Part-I

Any other particulars for improving the quality of the environment.

Particulars

A massive tree plantation has been done at factory site to minimize the frequency of air pollution. There are 70304 no. of trees are planted in and around the industrial area. In that 99% of trees are good survival. This plantation contains dust, SO2, CO & CO2 tolerant plants. Which also helps in keeping macro & micro climatic conditions ultimately clean Environment.

Name & Designation

M.G. Joshi , Managing Director

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000080928

Submitted On:

26-07-2025

तरुण भारत

कोल्हापूर

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शनिवार दि. १ डिसेंबर २०२०

पेट्या • गोवा • मु

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

श्री.कल्लाप्पाणा आवाडेनगर, हुपरी-यळगूड - ४१६२०३,
ता.हातकणंगले, जि.कोल्हापूर (महाराष्ट्र)

फोन नं. (०२३०)२४५०४०२ (५ लाईन्स), E-mail : kprjsssk@gmail.com

जवाहर कारखान्यास इन्व्हीरॉनमेंटल क्लिअरन्स प्राप्त

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी या कारखान्याने प्रस्तुतच्या ऊस गाळप क्षमतेचे प्रतिदिन १२००० मे.टनावरून प्रतिदिन १६००० मे.टनापर्यंत विस्तारीकरण करण्यास मंजुरी घेणेकरिता पर्यावरण, वने व जल वायु परिवर्तन मंत्रालय, भारत सरकार, नवी दिल्ली यांचेकडे प्रस्ताव दाखल केलेला होता. त्यास अनुसरून भारत सरकारचे पर्यावरण मंत्रालयाकडून कारखान्यास पत्र क्र. F.No.IA-J-11011/146/2020-IA II (I) दिनांक ०१ डिसेंबर, २०२० अन्वये इन्व्हीरॉनमेंटल क्लिअरन्स मिळालेला आहे. सदरचा इन्व्हीरॉनमेंटल क्लिअरन्स महाराष्ट्र प्रदुषण नियंत्रण मंडळ / समिती आणि पर्यावरण मंत्रालयाचे वेबसाईटवर व <https://parivesh.nic.in/> वर पहाण्यासाठी उपलब्ध आहे. प्रसिद्धीकरिता जाहीर नोटीस.

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INDIA'S LARGEST ENGLISH NEWSPAPER

JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD., HUPARI

Shri Kallappa Anna Awadenagar, Hupari-Yalgud, 416203, Tal. Halkanangale, Dist. Kolhapur.
Phone. (0230) 2450402 (5 Lines), E-mail. - kprjsssk@gmail.com

Jawahar Sugar Factory Hupari has granted the Environmental Clearance

It is for the information of all concern that, M/S. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari has submitted the proposal of proposed expansion of 12000 TCD to 16000 TCD capacity for obtaining the Environmental Clearance from Ministry of Environment, Forest and Climate Change, Government of India, New Delhi. Accordingly, Ministry of Environment has granted the Environmental Clearance for expansion of our Sugar Unit 12000 TCD to 16000 TCD. Vide their letter F.No.IA-J-11011/146/2020-IA II (I), Dated 1st December, 2020. A copy of said clearance letter is available with the State Pollution Control Board/Committee and may also be seen at website of the Ministry and at <https://parivesh.nic.in/>