

Covering Letter

KALLAPPANNA 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 / 694 /2025-2026

Date: - 3 /05/2025

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 2024 to March 2025 w.r.t Sugar Unit of capacity 16,000 TCD – **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 – **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 2024 to March 2025.

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 'E'
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,
Naer Collector Office,
Kolhapur- 416 002.
Email – rokolhapur@mpcb.gov.in

Environmental Clearance Letter



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 Paryavaran Bhavan,
Vayu Wing, 3rd Floor, Aliganj,
JorBagh Road, New Delhi-110 003

Dated: 1st December, 2020

To

M/s Jawahar Shetakari 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 Shetkari 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

✓ EC for M/s Jawahar Shetakari SSKL

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.


EC for M/s Jawahar Shetakari SSKL

- (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



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 Kallappa Anna 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 Kallappa Anna 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 Kallappa Anna 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:

342

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.

8-12

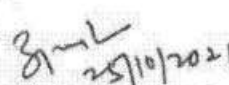
Sr. No.	Para of EC issued by MoEF&CC	Details as per the EC	To be Revised / Read as	Justification/ reasons
				<ul style="list-style-type: none"> • A sugar factory becomes water exporting unit due to water content in cane (70%) which comes out as condensate after juice heating, concentration & syrup making. 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. Pateshwary)
 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

31-10/2021

(Ashok Kr. Pateshwary)

Director

E-mail: ak.pateshwary@gov.in

Tel. No. 24695290

**Pointwise compliance of Expansion of sugar
factory from 12,000 TCD to 16,000TCD**

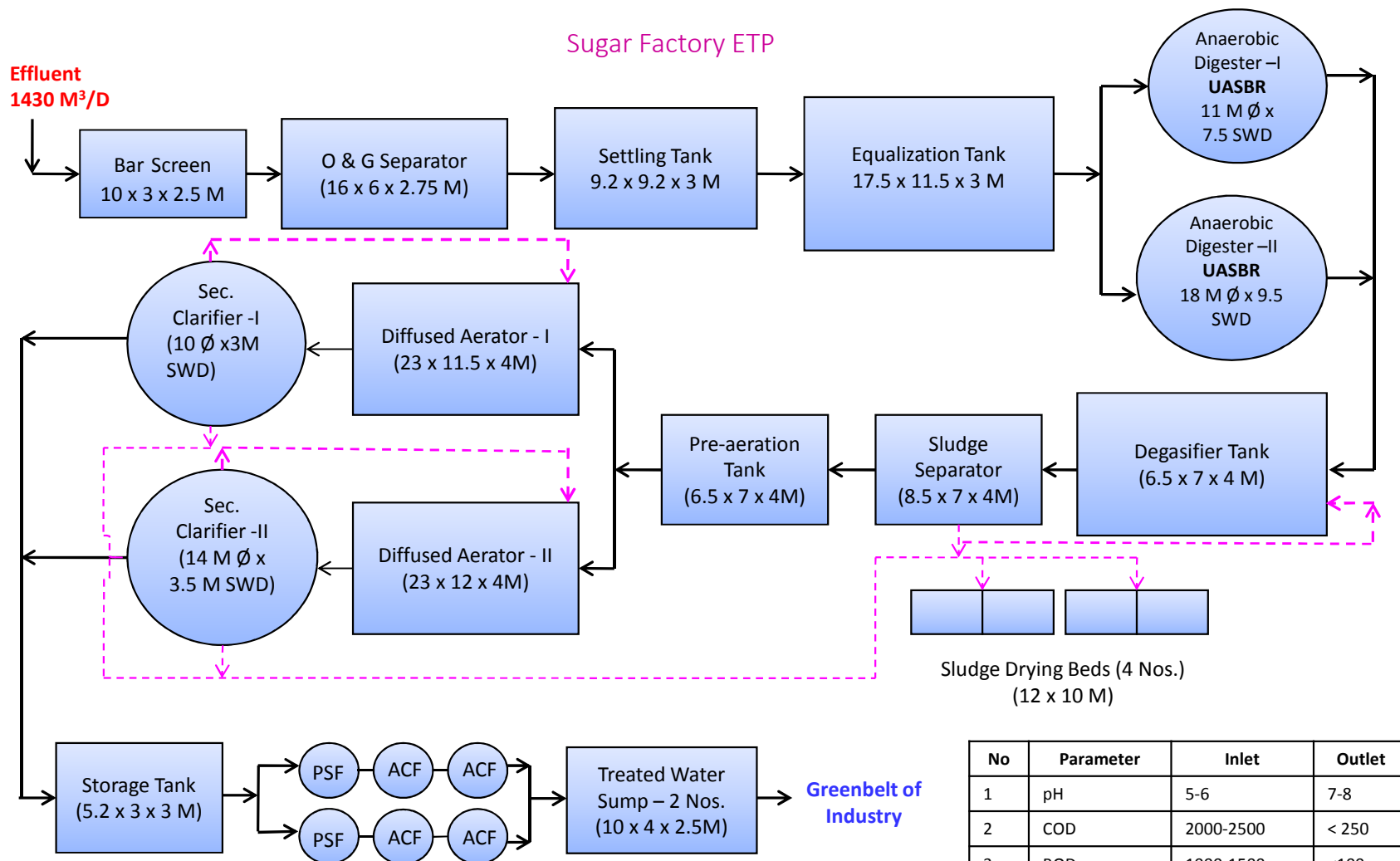
	M/s. Jawahar Shetakari SSKL Expansion of sugar factory from 12,000 TCD to 16,000TCD	
		Brief Summary of the Project
1	Name of Project	M/s. Jawahar Shetakari SSKL
2	Type of Project	Expansion Of sugar factory from 12,000 TCD to 16,000 TCD
2	Clearance Letter No. & date	Located at, Tal.: Hatkanangale, dist.: Kolhapur Maharashtra
3	Location: District & State/UT	Located at, Tal.: Hatkanangale, dist.: Kolhapur Maharashtra
		Six Monthly Period
		October 2024 to March 2025
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 at Annexure -I
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/4944/2024. Dated 04.05.2024 valid up to 30.04.2030 . Copy water lifting permission from the irrigation department is enclosed at 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 09.09.2024 . Reports & photographs of PHC facility are attached at 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 09.09.2024 . Training and Mock drills dated on 04.03.2025 records is enclosed at 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	
	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.	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, STP's 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 at Annexure -I .
8	Condition No. 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-product from the process as raw materials substitutes in order processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressures hoses for equipment clearing to reduce waste water generation.	The project is an agro-based industry. Sugar factory byproducts 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 at Annexure - V .
9	Condition No. 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.	<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 69,879 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.• Details and• Industry Photographs of Green belt is enclosed at Annexure - VI . has complied with the condition of Tree Canopy monitoring through remote sensing map. Detailed report of the same is attached at Annexure -VI .
10	Condition No. 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 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.	Industry has allocated Rs. 500 Lakhs funds towards Corporate Environmental Responsibility (CER) activities Corporate Environmental Responsibility is being implemented in phase-wise manner. Revised Time bound action plan including suggestion of IRO for expenditure of CER activities is attached at Annexure - VII .
11	Condition No. XI	
	The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on fresh water from the river.	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 at Annexure -VIII .

12	Condition No. 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.	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.
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 - IX 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, SO2, and NO2. 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 at Annexure - X
15	Condition No. XV	
	A separate Environmental Management cell (having qualified person with Environmental Science/Environmental Engineering/ specialization I n 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 at Annexure - XI .
B	General Conditions	
1	Condition No. 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, 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.	1. Presently, AAQM is done in Industry at 3 Locations namely - near the cane yard, near main gate, near ETP in the month of December 2023, January 2024, February 2024 & March 2024. Monitoring reports of the same is attached at Annexure - XII 2. Also, AAQM is done in the nearby residential area - at 2 Locations namely - Downwind direction (Jangamwadi village) & upwind direction (Talandage village) on 21.01.2025 as per CPCB & SPCB norms. Monitoring reports are enclosed at Annexure – XII . 3. Workzone Air quality Emission monitoring has been done in crushing season of 2024-25(from December 2024-Februvary 2025) at locations viz. Pan Section & sugar house
4	Condition No. 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.	1. Presently, AAQM is done in Industry at 3 Locations namely - near the cane yard, near main gate, near ETP in the month of December 2023, January 2024, February 2024 & March 2024. Monitoring reports of the same is attached at Annexure - XII 2. Also, AAQM is done in the nearby residential area - at 2 Locations namely - Downwind direction (Jangamwadi village) & upwind direction (Talandage village) on 21.01.2025 as per CPCB & SPCB norms. Monitoring reports are enclosed at Annexure – XII . 3. Workzone Air quality Emission monitoring has been done in crushing season of 2024-25(from December 2024-Februvary 2025) at locations viz. Pan Section & sugar house
5	Condition No. 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).	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 at Annexure - XIII .
6	Condition No. VI	
	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.	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 gardening.
7	Condition No. 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 handing of chemicals shall be imparted.	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 09.09.2024 to 08.09.2025 is attached at Annexure -XIV .
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 allocated Rs. 500 Lakhs funds towards Corporate Environmental Responsibility (CER) activities Corporate Environmental Responsibility is being implemented in phase-wise manner. CER attached at Annexure-VII .

9	Condition No. IX	
	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Industry has allocated Rs. 500 Lakhs funds towards Corporate Environmental Responsibility (CER) activities Corporate Environmental Responsibility is being implemented in phase-wise manner. CER attached at Annexure -VII.
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 at Annexure- VII.
11	Condition No. XI	
	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZillaParishad / Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	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 parishad & Chief Executive officer Kolhapur on 05.12.2020 .The Acknowledgement copies of same are enclosed at 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 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.	The industry regularly submits Six Monthly Compliance Report. Latest six-monthly compliance report was submitted for period April 2024 to September 2024 on 25.11.2024. An email copy of the Acknowledgement is enclosed at 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 2024 dated on 11.07.2024 is enclosed at Annexure - XVII.
14	Condition No. 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 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.	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 at Annexure -XVIII.
15	Condition No. 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.	The date of financial closure in connection with the Industrial Project is 31stMarch.
16	Condition No. 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.	Noted

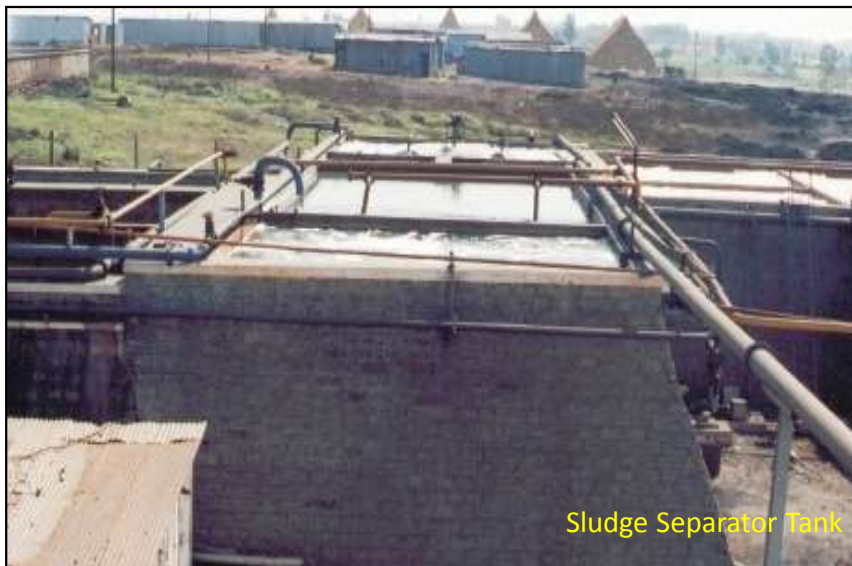
Annexures mentioned in EC



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



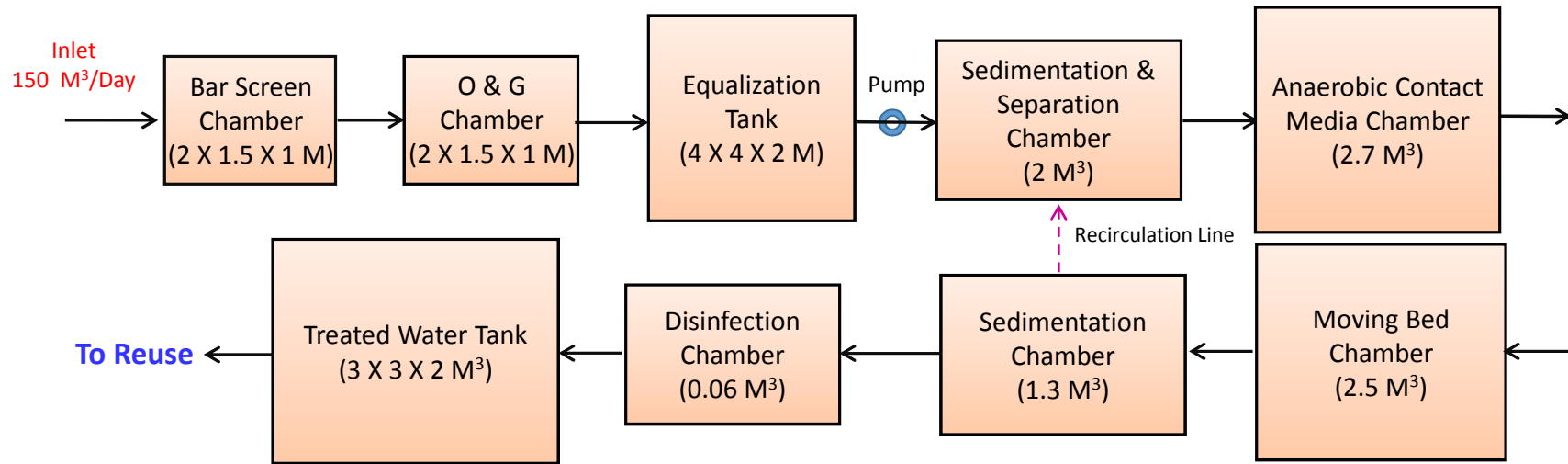
Sugar Factory ETP



Photographs of Sugar Factory ETP

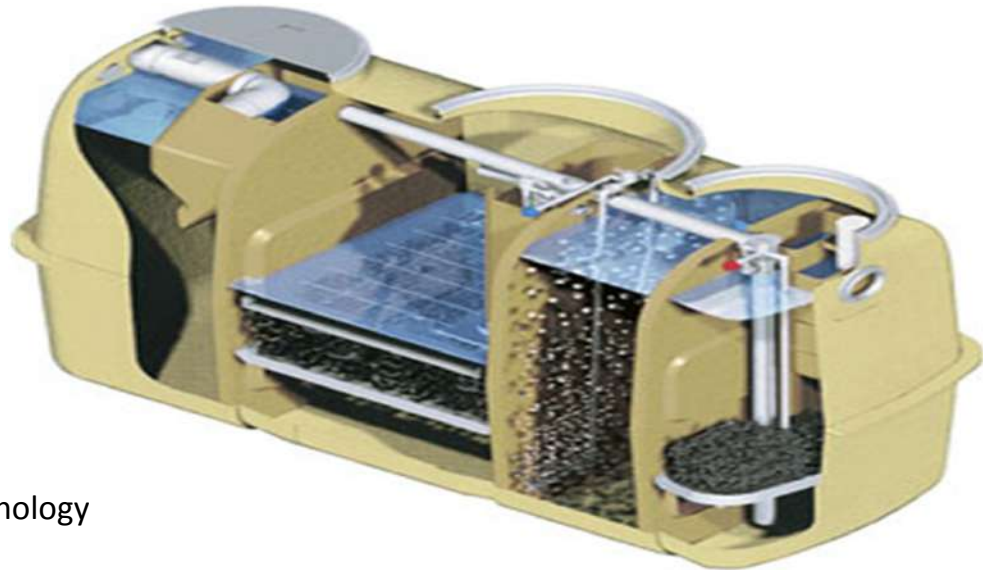


Sewage Treatment Plant

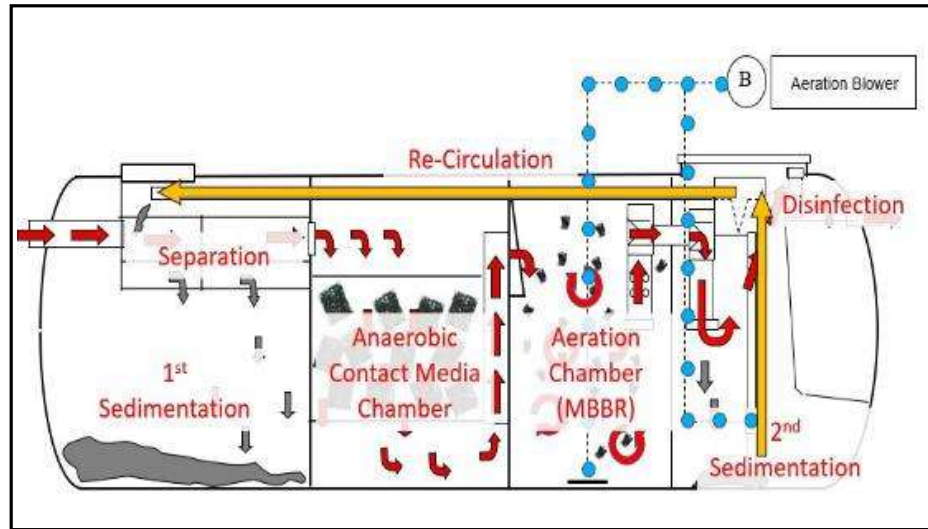


No	Parameter	Unit	Inlet	Outlet
1	pH	---	6.0 – 8.5	6.0 – 8.5
2	COD	mg/lit	400 – 500	< 50
3	BOD	mg/lit	250 – 300	< 10
4	TSS	mg/lit	150 - 250	< 30
5	O & G	mg/lit	20 - 30	< 10

- 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

- 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



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/2024-2025/02/183	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. 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	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-SO ₄ E 24 th Edition:2023
Oil & Grease	16.00	mg/lit	APHA 5520 D 24 th Edition:2023
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>***END OF REPORT***</p> </div> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p><i>(Signature)</i> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</p> </div> </div>			

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- 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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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.				
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: right;">  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By </div> </div>				

END OF REPORT


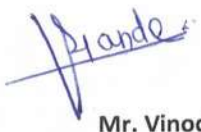
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TEST REPORT

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

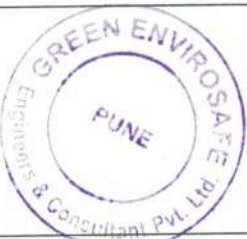
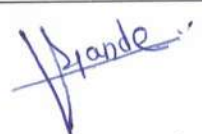
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-2025/02/186		Report Date		17.02.2025
Sample ID : GESEC/PRO/WW/2024-2025/02/186		Sample Details		Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari 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																																					
Sample ID : GESEC/PRO/WW/2024-2025/02/187		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	11.02.2025																																				
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Parameters	Results	Unit	Standard Method																																				
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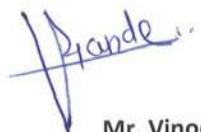
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-2025/02/188		Report Date		17.02.2025
Sample ID : GESEC/PRO/WW/2024-2025/02/188		Sample Details		Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari 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	7.48	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 ⁼⁼	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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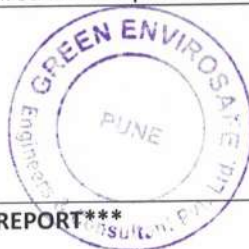

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TEST REPORT				
Test Report No – GESEC/PRO/DW/2024-2025/02/189		Date of Reporting		17.02.2025
Sample ID - GESEC/PRO/DW/2024-2025/02/189		Sample Details		Drinking Water (Laboratory)
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari 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. 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	7.42	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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Mr. Vinod Hande
(Technical Manager)
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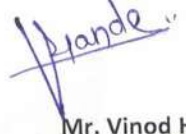
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2024-25/01/490		Report Date	21/01/2025
Sample ID : GESEC/PRO/WW/2024-25/01/490		Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari 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 ²⁻	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.			
<div><div> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</div></div>			

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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-SO ₄ 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.



Vinod Hande
 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/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. 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	6.35	--	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-SO ₄ E 24 th Edition:2023
Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023
Remark: ➤ BDL – Below Detectable Limit.			
<div style="text-align: right;"> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</div> <div style="text-align: center;"></div>			

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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. 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	7.52	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-SO ₄ 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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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/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
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>GREEN ENVIROSAFE PUNE Engineers & Consultant Pvt. Ltd.</p> </div> <div style="text-align: right;">  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By </div> </div>			



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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. 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																																													
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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																																				
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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: ➤ BDL – Below Detectable Limit. ➤ All parameters are within the MPCB limit.				
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TEST REPORT																																							
Test Report No: GESEC/PRO/WW/2024-25/12/1437		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																																				
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END OF REPORT

Page 1 of 1

Terms and conditions

- The report is refer only to the sample tested and not applies 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 purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- If on site their is no proper sampling location, Source or port available the results of testing are not challenge.
- MoEF approved Lab by Govt. of India. till 28/02/2026 and NABL approved by 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/2024-25/12/1438		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. 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	7.72	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-SO ₄ 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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स्वातंत्र्याचा अमृत महोत्सव



महाराष्ट्र शासन
जलसंपदा विभाग

महाराष्ट्र कृष्ण खोरे विकास महामंडळ, पुणे
कोल्हापूर पाटबंधारे विभाग (उत्तर), कोल्हापूर
सिंचन भवन, ताराबाई पार्क कोल्हापूर पिन- ४१६००३

Annexure- II



ई मेल- eekidkopn@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)सिव्य(धो)/दिनांक ११/०३/२००३
२) शासन परिपत्रक क्र. पापव-२०१५/(प्र.क्र.४००/२०१५)सिव्य(महसूल)/दिनांक १५/१२/२०१५
३) शासन निर्णय क्र. पापव-२०१५/(प्रक्र.८८/२०१५)/सिव्य(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.बिर्सिआ-२०१९/(३६५/२०१९)सिव्य(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 वर्षाकरिता पाणी आरक्षण करारनामा नुतनीकरण खालील अटीच्या अधिन राहून मंजूर करणेत येत आहे.


- १) महाराष्ट्र शासनमार्फत बिगरसिंचन पाणी वापराबाबत वेळोवेळी निर्गमित होणारे शासन निर्णय व मुळ मंजूर परवान्यातील अटी आपल्यावर बंधनकारक राहतील याची कृपया नोंद घ्यावी.
- २) करारनाम्याचे नुतनीकरण करणेपूर्वी शासनाचे उपरोक्त संदर्भित 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 अटीच्या 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 No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
1	612	MR. PRAKASH M UNDURE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
2	1217	MR. SHAMBHAJI B SADALE	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
3	1826	MR. SANTOSH G PALSKAR	47	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
4	957	MR. BHIMRAO M JADHAV	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
5	1523	MR. SHRIKANT G TELI	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
6	0092	MR. LAXMAN K CHOUGULE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
7	0516	MR. ASHOK R GAIKWAD	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
8	2360	MR. PRADEEP A HANDE	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
9	0392	MR. TUSHAR T POWAR	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
10	7025	MR. AKSHAYKUMAR P SHETKE	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
11	2366	MR. AJIT A PATIL	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
12	0168	MR. IMTIYAJHAMAD M BHADGAONKAR	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
13	1991	MR. SACHIN A KERGUTTE	39	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
14	7616	MR. MAHESH B BHANGE	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
15	7428	MR. SOURABH D MANE	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
16	7452	MR. FARUK A JADAMAR	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
17	6015	MR. ABHAY A MAYGONDA	36	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
18	1589	MR. JAYSING M PATIL	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
19	7449	MR. MORESHWAR K METKAR	31	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे
कोल्हापूर जिल्हाकरिता

Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

From: 09/09/2024 To 08/09/2025

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Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
20	1266	MR. B N SHAMBHUSHETTY	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
21	7582	MR. SANKET S PATIL	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
22	7473	MR. ADITYA M SARNAIK	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
23	1394	MR. TANAJI S PATOLE	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
24	2028	MR. SOPAN B BIRJE	35	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
25	7242	MR. SOURABH J GEVISE	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
26	1006	MR. SANJAY M KUDALKAR	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
27	1680	MR. BABASO S DAINGADE	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
28	985	MR. DEEPAK V SHEREGAR	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
29	2029	MR. YOURAJ A GUNAKE	36	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
30	1868	MR. BALASO A SANADI	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
31	2192	MR. MAHAVEER P NEJE	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
32	912	MR. PANDURANG N SHINGARE	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
33	1370	MR. SUBRAV A KAGALE	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
34	1437	MR. SADIK I MUJAWAR	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
35	1695	MR. SHRENIK B MAGDUM	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
36	0862	MR. RAHIM M MALDAR	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
37	965	MR. MAHAVEER R KOGNOLE	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
38	1335	MR. VIJAY V YADAV	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकरिता

Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

From: 09/09/2024 To 08/09/2025

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MBBS DPH AFIH.(Mumbai)

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other wor	Reason for leaving Transfer of discharg	Nature of job or occupation	Raw material or bye product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
39	1683	MR. AMOL B HEARWADE	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
40	1810	MR. SHANTINATH K GANGAI	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
41	1261	MR. SANDIP B PATIL	43	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
42	7119	MR. AVINASH D CHAKARE	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
43	7260	MR. PRANAV V ATHANE	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
44	6017	MR. YUVRAJ A BHOSALE	33	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
45	0946	MR. APPASO V HAVALDAR	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
46	7301	MR. SURAJ P AWATE	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
47	2362	MR. PRAVIN J SIDANALE	31	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
48	6043	MR. SAGAR M PATIL	37	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
49	7431	MR. YOGESH J KATKOLE	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
50	1976	MR. SHRENIK B KOLHAPURE	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
51	7290	MR. BHUSHAN J NARAWADE	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
52	1228	MR. SHASHIKANT A SHINDE	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
53	6007	MR. AMIT J BHAGAJE	34	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
54	0230	MR. BHAUSO H DONGARE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
55	2141	MR. MACHINDRA A CHAVAN	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
56	621	MR. BHIMRAO S PARIT	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
57	1692	MR. MUSTAK A NAYANE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकरिता

प्राधिकृत प्रमाणकशल्यचिकित्सक

क्र. ACS 15-AM/2016

Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

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58	1629	MR. SANJAY A TONAPE	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
59	1862	MR. RAHUL R CHOUGULE	42	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
60	396	MR. UDAY A AINAPURE	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
61	1730	MR. BHIMA P KURALI	42	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
62	1707	MR. DHANANJAY S BAGAL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
63	0650	MR. MAYAPPA L MUDHALE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
64	111	MR. RAGHUNATH Y DAVARI	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
65	7216	MR. SANKET A SHIRADWADE	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
66	370	MR. MARUTI G SHINDE	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
67	7070	MR. AMIT P SUBHEDAR	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
68	2066	MR. BHIMRAO M WAJANTRI	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
69	2172	MR. SANTU B GORADE	44	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
70	2353	MR. NITIN N SHINDE	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
71	1278	MR. UMESH B MANE	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
72	1425	MR. SHIVAJI K POWAR	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
73	1898	MR. KUNTINATH A PATIL	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
74	1665	MR. ABHIJIT S KUMBHAR	44	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
75	1398	MR. SHANKAR T PATIL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
76	1362	MR. SHRIKANT B PAWAR	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

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77	7097	MR. PRAMOD S NAGAVE	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
78	372	MR. J D PATIL	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
79	6009	MR. PAVANKUMAR B PATIL	34	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
80	1476	MR. SANJAY D PATIL	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
81	2356	MR. SAGAR M MALI	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
82	7225	MR. SAMMED M KASHMIRE	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
83	7477	MR. SANTOSH S PUJARI	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
84	7333	MR. PRITAM S INGALE	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
85	1944	MR. AJIT S MANE	45	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
86	7486	MR. ANIKET G NAGARE	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
87	7422	MR. ANUP S DATTAWADE	23	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
88	1563	MR. ANIL S MALI	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
89	2383	MR. VIJAY S PODJALE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
90	2205	MR. TUSHAR V KUMBHAR	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
91	0684	MR. MOHAN R BHATANWADE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
92	685	MR. AVINASH K MORE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
93	1524	MR. BABASAHEB A PATIL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
94	-	MR. DADASO J GAVANDI	40	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
95	1738	MR. KASHINATH M KAWADE	43	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

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96	1791	MR. SANJAYKUMAR D PATIL	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
97	1807	MR. BALGONDA S PATIL	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
98	0610	MR. SHASHIKANT R CHARATE	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
99	1494	MR. BABASO I PATIL	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
100	7490	MR. SOURABH S GAIKWAD	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
101	1627	MR. SHITAL A MURABATTE	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
102	7267	MR. FAIYAZ S SANADI	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
103	1657	MR. ANIL V FULE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
104	0805	MR. SHIVAJI D PATIL	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
105	7594	MR. NITIN A KORVI	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
106	1602	MR. SANJAY A KHANJIRE	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
107	7552	MR. VIJAY S KUMBHAR	23	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
108	0846	MR. ADUM A MULLA	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
109	7380	MR. ONKAR R VIBHUTE	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
110	2302	MR. ANANDA R DHAVANE	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
111	1744	MR. AJIT R CHIKHALE	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
112	7581	MR. SAMMER S PATIL	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
113	1381	MR. KESHAV T KHOT	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
114	7278	MR. VAIBHAV T SHINDE	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

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From: 09/09/2024 To 08/09/2025

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Sl. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
115	1897	MR. AMOL G HANDE	43	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
116	1998	MR. SUNIL S GURAV	47	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
117	7288	MR. SHASHIKANT B PATIL	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
118	1864	MR. SHIVAJI G MADHALE	45	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
119	1760	MR. PRAKASH S JADHAV	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
120	777	MR. AJIT D VASWADE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
121	2165	MR. PANKAJ P PATIL	37	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
122	0527	MR. RAJENDRA K PATIL	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
123	0709	MR. DILIP R PATIL	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
124	579	MR. DHULGONDA K MORE	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
125	1619	MR. PANDURANG D KUMBHAR	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
126	387	MR. SURESH B HANBAR	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
127	2084	MR. BALASO D CHOUGULE	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
128	7332	MR. SADGONDA A SHIROLE	31	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
129	1054	MR. SHITAL C KAJAVE	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
130	1077	MR. RAJGONDA A PATIL	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
131	1955	MR. TANAJI P BHORE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
132	7121	MR. SANJAY S PATIL	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
133	2000	MR. A J CHOUGULE	37	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे
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134	380	MR. VILAS M PATIL	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
135	1722	MR. SANTOSH R BHOPE	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
136	675	MR. SUNIL S SHINDE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
137	1579	MR. SANJAY G BHOI	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
138	32	MR. JAYPAL B GATH	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
139	2341	MR. SANTOSH S DHARKE	35	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
140	7433	MR. RAHUL B GURAV	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
141	7407	MR. VINOD A PATIL	32	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
142	466	MR. DHONDIRAM N PATIL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
143	7516	MR. ANIKET A KAMBLE	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
144	1735	MR. ANIL B MORE	44	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
145	0457	MR. ANANTKUMAR M UPADHYE	40	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
146	0007	MR. RAMESH R CHAVAN	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
147	1595	MR. SUKUMAR S AINAPURE	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
148	405	MR. ASLAM G SHAIKH	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
149	1802	MR. ASLAM U MULLANI	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
150	2096	MR. SHRIPAD S KUMBHAR	39	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
151	1382	MR. SHRIKANT G SHETAKE	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
152	2195	MR. SHAMGONDA D PATIL	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

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153	1341	MR. AYUBKHAN H JAMADAR	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
154	7518	MR. SHUBHAM S PATIL	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
155	7383	MR. FIROJ N MAKUBHAI	38	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
156	7276	MR. ABHIJEET S KAMBLE	37	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
157	1387	MR. RAJKUMAR S MAGDUM	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
158	1825	MR. SANTOSH R KAMBLE	47	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
159	1633	MR. SHIVAJI B MALI	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
160	0516	MR. RAJENDRA A MAGDUM	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
161	1605	MR. SUDHIR A PATIL	47	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
162	1792	MR. BAHUBALI S GOTHURE	43	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
163	507	MR. PRAKASH A KHOCHAGE	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
164	0786	MR. BALASO A GOTKHINDE	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
165	2044	MR. ARUN A ARVADE	42	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
166	7277	MR. NIKHIL M KANIRE	32	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
167	1431	MR. JAYRAM B GURAV	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
168	2140	MR. LAXMAN B BANKE	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
169	1921	MR. RAVINDRA P KARANGE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
170	35	MR. BHAUSAHEB N SHENDGE	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
171	7528	MR. ABHIMANYU A NIKAT	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

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Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER****From: 09/09/2024 To 08/09/2025****Certifying Surgeon****DR.ARVIND MANE****MBBS DPH AFIH.(Mumbai)****Company Name : KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.**

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
172	733	MR. UDAY B CHOUGULE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
173	1739	MR. VIJAYKUMAR A PATIL	42	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
174	1658	MR. VIJAY P SHINDE	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
175	913	MR. SUNIL R CHOUGULE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
176	7423	MR. YOGESH R KALYANI	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
177	1647	MR. YUVRAJ B PATIL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
178	7495	MR. VISHAL U JOG	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
179	7599	MR. ONKAR V ARUNKAR	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
180	7515	MR. SHRIDHAR K PATIL	23	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
181	7619	MR. PRASHANT K PARIT	21	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
182	2310	MR. AKSHAY KULKARNI	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
183	7496	MR. SURAJ M PATIL	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
184	2339	MR. MAHADEV R KUMBHAR	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
185	1037	MR. BALKRUSHAN K CHOUGULE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
186	1930	MR. ANSAR A CHILLI	44	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
187	6295	MR. GULAB S DABADE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
188	2335	MR. SUSHANT S PATIL	35	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
189	467	MR. VIJAY J UTTURE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
190	0737	MR. USMAN M SHAIKH	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकरिता

प्राधिकृत प्रमाणकशल्यचिकित्सक

क्र. ACS 15-AM/2016

Form No 7 (Prescribed under Rule 18 (7))

HEALTH REGISTER

From: 09/09/2024 To 08/09/2025

Certifying Surgeon**DR. ARVIND MANE**

MBBS DPH AFIH.(Mumbai)

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1141	7210	MR. INDRAJEET B KARADE	28	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1142	7394	MR. KUBER S PUJARI	26	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1143	7249	MR. SANTOSH K PUJARI	28	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1144	1393	MR. VILAS D KAMBLE	53	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1145	1858	MR. UDAY R PATIL	45	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1146	1448	MR. SUBHASH V GAJARE	48	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1147	2350	MR. SANTOSH A PATIL	34	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1148	6002	MR. AMIT A CHOUGULE	38	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1149	7116	MR. SHUBHAM B MORE	26	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1150	0009	MR. ARUN K GADE	52	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1151	1893	MR. AMAR S PATIL	44	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1152	6230	MR. BABANRAO B DESAI	59	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1153	7209	MR. ARUN S JOG	29	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1154	7608	MR. DATTA M KHOT	23	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1155	7458	MR. ABHISHEK K GORWADE	27	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1156	7403	MR. SOURABH R CHOUGULE	26	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1157	7474	MR. RUSHIKESH R PUJARI	25	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1158	2307	MR. KUMAR B KERGULE	41	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1159	655	MR. SANJAY A KUMBHAR	52	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ धारा १०(२) प्रमाणे
कोल्हापूर जिल्हाकरिता

प्राधिकृत प्रमाणक शल्यचिकित्सक
क्र. ACS 15-AM/2016

Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR.ARVIND MANE

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1160	1011	MR. ANANDA S MAGDUM	54	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1161	7092	MR. PANKAJ R PATIL	29	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1162	7252	MR. VAIBHAV S JOG	25	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1163	7059	MR. V B BHANDAWADE	29	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1164	7344	MR. SAGAR S AIHALE	27	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1165	6004	MR. BHARAT J CHOUGULE	46	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1166	7578	MR. SAMMED S GATURE	22	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1167	0836	MR. SANJAY R ZANJAGE	56	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1168	7096	MR. ASHITOSH R CHOUGULE	27	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1169	1227	MR. ASHOK A KHOT	52	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1170	7575	MR. SAMMED S MANGAVE	24	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1171	1834	MR. DAWAL M SHAIKH	52	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1172	7061	MR. SHRINIVAS B SAVALE	29	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाण
कोल्हापूर जिल्हाकरिता
प्राधिकृत प्रमाणकशल्यचिकित्सक
क्र. ACS 15-AM/2016

Photographs of firefighting arrangements



Photographs of Mock Drill





Photographs of Mock Drills



KALLAPPANNAWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.,

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

Phone (0230) 2450402, Fax No. : (0230) 2450401,

E-mail : kprjsssk@gmail.com

MOCK DRILL REPORT

March – 2025

KALLAPPANNAWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.,

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

Phone (0230) 2450402, Fax No. : (0230) 2450401,

E-mail : kprjsssk@gmail.com

MOCK DRILL REPORT.

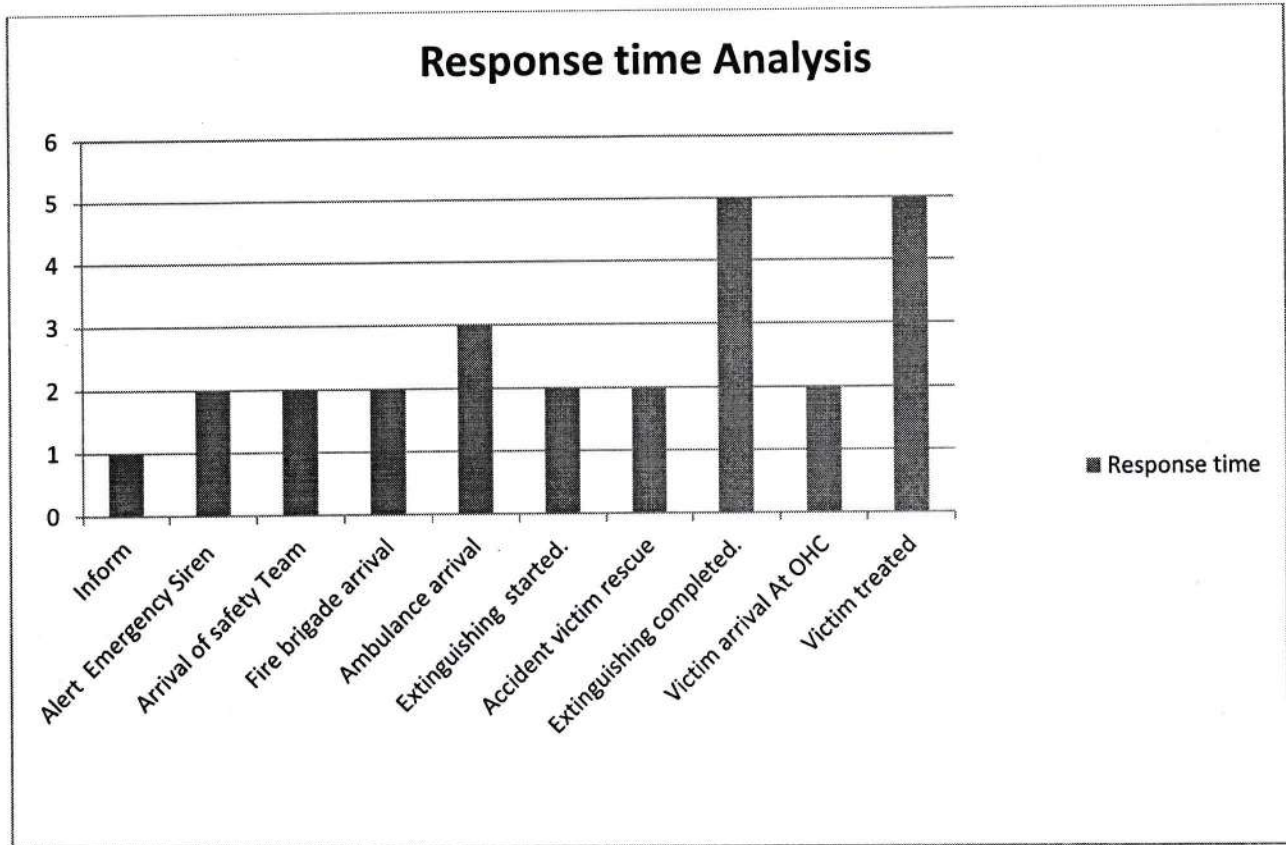
SR.NO	ASPECT	DISCREPTION
1.	Subject Of Drill	Mock Drill is conducted on the occasion of National Safety Week in which fire drill is conducted and demonstration of fire extinguishing system is carried out along with measurement of response system and other observations.
2.	Type of Drill	Fire mock drill.
3.	Conducted By	Safety department & Security department of the factory.
4.	Scheduled Time	From 10:45 to 11:15 am on dated 4th March,2025.
5.	Location	Main Gate – Corridor
6.	Possible hazards of incident	Social Impact –No any social Impact is there.
		Property damage - Yes, Property damage may possible.
		Environmental Impact–Partial environmental Impact.
		Critical infra impact - No any affect.
		Process / Business Impact –It may impact process of Factory.
		Physical harm –Physical harm is possible.
		Psychological Impact - Partially affected.
6	Groups& Teams (Security Department)	Team 1 : Fire Fighting Team
		1. Mr. Hindurav Patil 2. Mr. Tatysaheb sangavade 3. Mr . Tatyasaheb Patil.
		To execute fie extinguishing work on the location of fire incident.
		Team 2 : Fire picket Team
		1. Mr. Harun Naikwade 2. Mr. Amol Patil 3. Mr. Jalandhar Patil
		To surround the affected area of the incident and restrict the entry of man and flammable material from outside to inside the affected area.
		Team 3 : Salvage Team
7.	Methodologies, techniques & Strategies	1. Mr. Deepak Chougule. 2. Mr. Avinash Dongle. 3. Mr Ramesh Patil
		To Dispose a damaged material and evaluation of material damage due to the fire incident.
		Team 4 : Reserve Team
		1. Mr. Sharad Kamble 2. Mr. Mallappa Khadage 3. Mr. Guatam Kable.
		To Help the accident victim to have a further treatment.
		Fire fighting team operations.
		Rescue team operations
		Fire picket team operations
		Reserve team operations.
		Salvage team operations

	used.		
8.	Name of the volunteers	Total no of Volunteers are participated in Mock drill. Some of them are as below.	
		Mr. Bhauso Dongare	Mr. Jalandhar Patil
		Mr. Sanjay Sheregar	Mr. Avinash kamble
		Mr. Pradip Patil	Mr. Jivandhar Patil
		Mr. Anil Nikam	Mr. Vilas kamble
		Mr. Laxman Lali	
		Mr. Kumar Mane	
9	Equipments, tools , material used	Personal Protective equipments.	Emergency flag
		Sand buckets	Siren
		Fire extinguishers.	Woolen cloth
		Fire Extinguishing vehicle.	Disposal & segregation equipments.
		Ambulance	stretcher

QUANTITATIVE TIME STUDY ANALYSIS - :

SR.NO	MAJOR EVENT	TIME OF OCCURANCE	RESPONSE TIME
1	Occurrence of the fire incident at the Main gate corridor.	10:47	-
2	Inform to the Security & Safety department about incident.	10:48	1 Min
3	Alert message to all employee through Emergency Siren	10:50	2 Min
4	Arrival Safety officer along with security team and Fire fighting team.	10:52	2 Min
5	Fire brigade arrives on the location of incident.	10:55	2 Min
6	Ambulance arrives at location of incident.	10:58	3 Min
7	Fire extinguishing work started.	10:57	2 Min
8	Accident victim pick up by rescue team.	11:00	2 Min
9	Fire extinguishing work completed & situation taken under control.	11:00	5 Min
10	Ambulance arrives at medical center of the Factory.	11:02	2 Min
11	Treatment has given to the victim.	11:07	5 Min
12	General instruction given to the employees and supervisors by Factory manager, safety officer, and Security officer.	11:15	-
13	Declaration of successfully completion of mock drill by authorities.	11:18	-

Discriptive Analysis –



Key Insights –

From the Quantitative time study analysis it is observed that the time taken for the Informing to the key personals, Emergency siren alert, extinguishing starting time and Accident victim rescue time are the fastest in the process of extinguishing. Also the time response of arrival of fire tender and ambulance is also improved slightly which is good measure.

Completion of fire incident operation and taking situation under control takes 5 minutes of response time and treatment of victim takes 5 minutes of time respectively. This time can be further improved by changing the Operational strategy of fire fighting operation.

Mock drill Assessment sheet

SR. NO	ASSESSMENT CHECKS	NA	YES	NO	REMARK
1	Were all volunteers aware about the potential of the incident to hazard?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes. They are all aware about it.
2	Was Every rescue team / Crew member aware about their responsibilities in the case of emergency?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Responsibilities are specifically assigned to each member.
3	Have employees / members of rescue team well assimilated the methodologies, procedures & strategies employed during the drills?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Employees should clearly understand their role in the fire extinguishing procedure.
4	Was any Physiological problem evidenced among employee/ rescue team member during the drill?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No any Physiological problem was evidenced.
5	Was any Psychological problem evidenced among employee/ rescue team member during the drill?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No any Psychological problem was evidenced.
6	Were all equipments / machines find in place so that they were easily accessible in the case of the emergency?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All Equipment was placed at a assigned location.
7	Were all equipments / machines found to work effectively during the drill?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	all equipment /machines are regularly tested and maintained in good condition
8	Is there any need to modify or replace any equipment / machine as per changing requirements of situations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No.
9	Was there any material which can add potential to the hazard?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cotton waste was available on the location which is used for cleaning purpose.
10	Was the material properly segregated from the place of hazard to the safe place?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes. Salvage team done the segregation work.
11	Was there any method / procedure which have to modify/improve/replace as per current necessities and standards in order to improve the effectiveness of system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rescue team should be follow the assigned work.
12	Was there any defect in the communication system which employed during the emergency?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There is a time lag in the communication.
13	Is there any possibility of arising unusual conditions during the time of emergency?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No such possibility is there.

Conclusions & Results -

1. All the procedure of fire extinguishing is followed as per standard procedure within assigned time limit.
2. No any possibility of arising unusual conditions during the mock drill.
3. Communication system was found effective during the mock drill.
4. All fire fighting equipment are found to be working in good conditions.
5. Inlet line knob of low pressure pump of fire tender found leak.

Improvement measures -

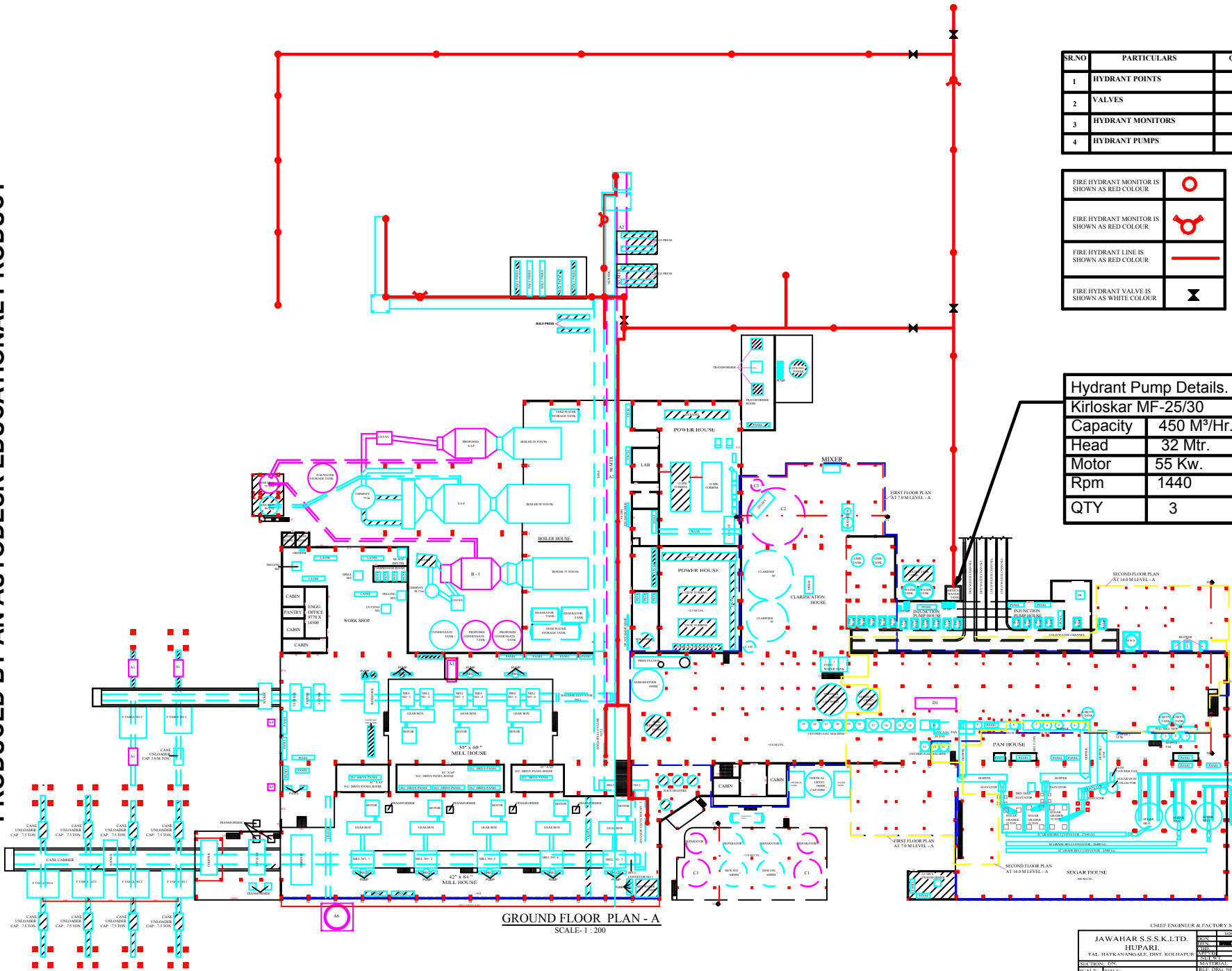
1. While the mock drill it is observed that the Inlet knob of the low pressure pump of fire tender is leaked. Leakage is to be attended on time in order to avoid the pressure loss during the fire fighting operations.

**Vikas .S Kavade****(GM Tech & Factory Manager)**

SR.NO	PARTICULARS	QTY
1	HYDRANT POINTS	35
2	VALVES	5
3	HYDRANT MONITORS	3
4	HYDRANT PUMPS	3

FIRE HYDRANT MONITOR IS SHOWN AS RED COLOUR	
FIRE HYDRANT MONITOR IS SHOWN AS RED COLOUR	
FIRE HYDRANT LINE IS SHOWN AS RED COLOUR	
FIRE HYDRANT VALVE IS SHOWN AS WHITE COLOUR	

Hydrant Pump Details.	
Kirloskar MF-25/30	
Capacity	450 M ³ /Hr.
Head	32 Mtr.
Motor	55 Kw.
Rpm	1440
QTY	3



JAWAHAR S.S.S.K.LTD.		HUPARI	
TAL. HATKANANGALE, DIST. KODHAPUR		DIST. KODHAPUR	
SCALE: 1 : 200		TITLE: TENTATIVE ENGINEERING LAY-OUT OF THE FIRE HYDRANT SYSTEM	
DATE: 10/10/2019		PAGE: 01 OF 01	

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: 09/10/2024

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	53813

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
	Total	6715
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	53813
C	Decorative Tree	6715
D	Flower Tree	8242
	Total Tree Plantation	69879

A Brief Report on

GREEN COVER ASSESSMENT

through

Canopy Mapping and Tree Census Study Of

Jawahar Shetakari Sahakari Sakhar Karkhana Ltd. (JSSSKL) ,
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 Anna 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

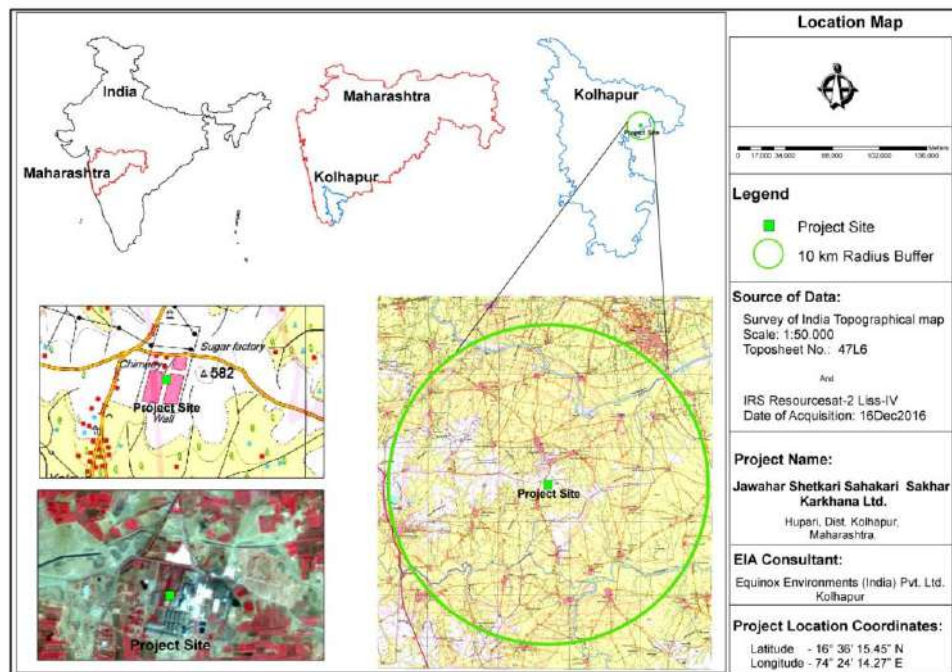
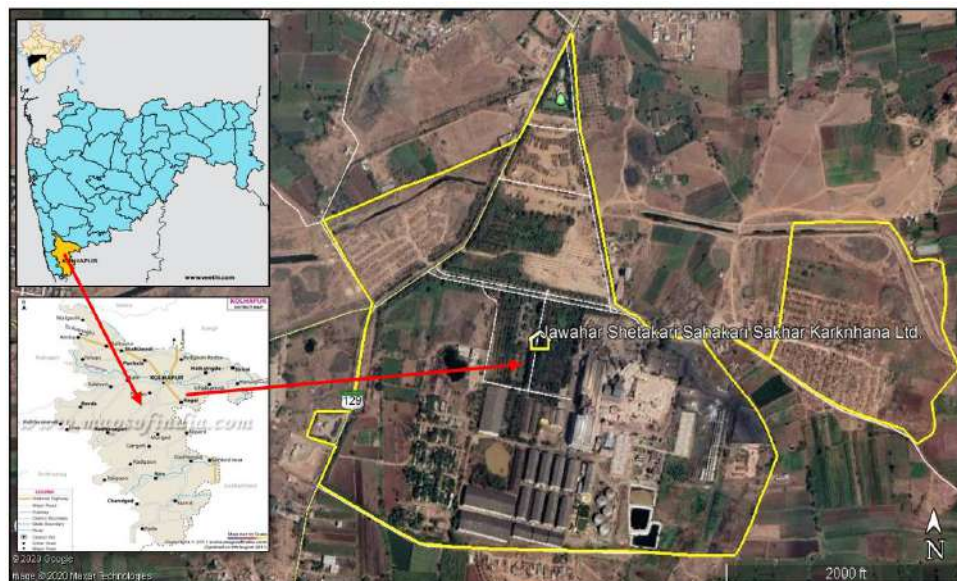


Fig 2 Google Earth Map of the JSSSKL



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.

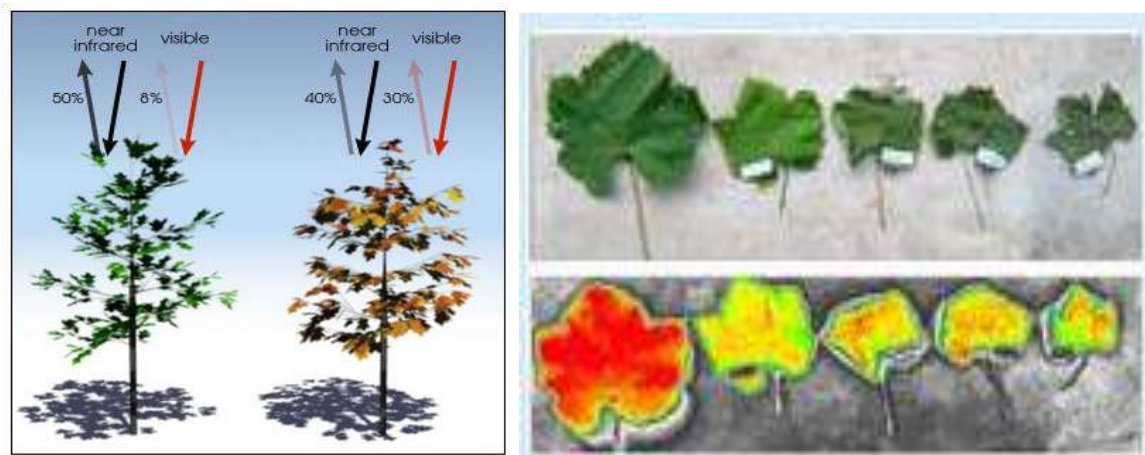
Fig 3 The Image of the Drone and DGPS used for the Canopy Survey



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

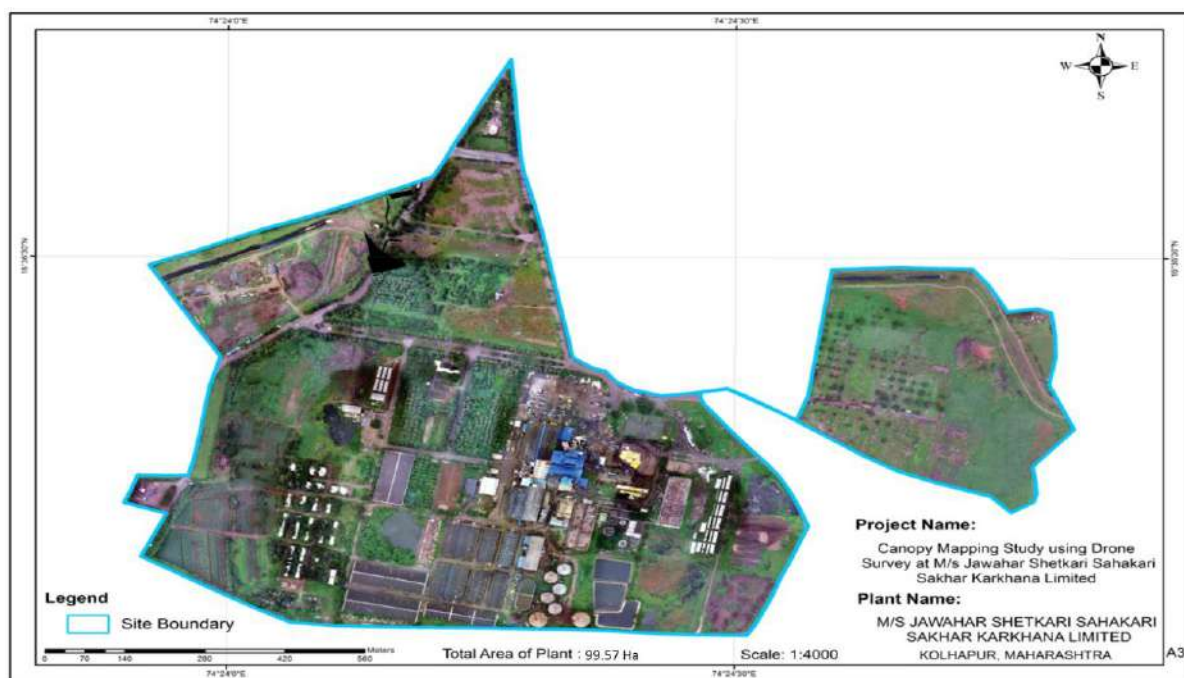


Since trees and shrubs can appear spectrally similar or be obscured by shadow, tree census was carried out to enhance the accuracy of tree mapping, providing more precise data including tree count, size, and species distribution. Attempt was made to count all the possible trees from the study area. Some 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

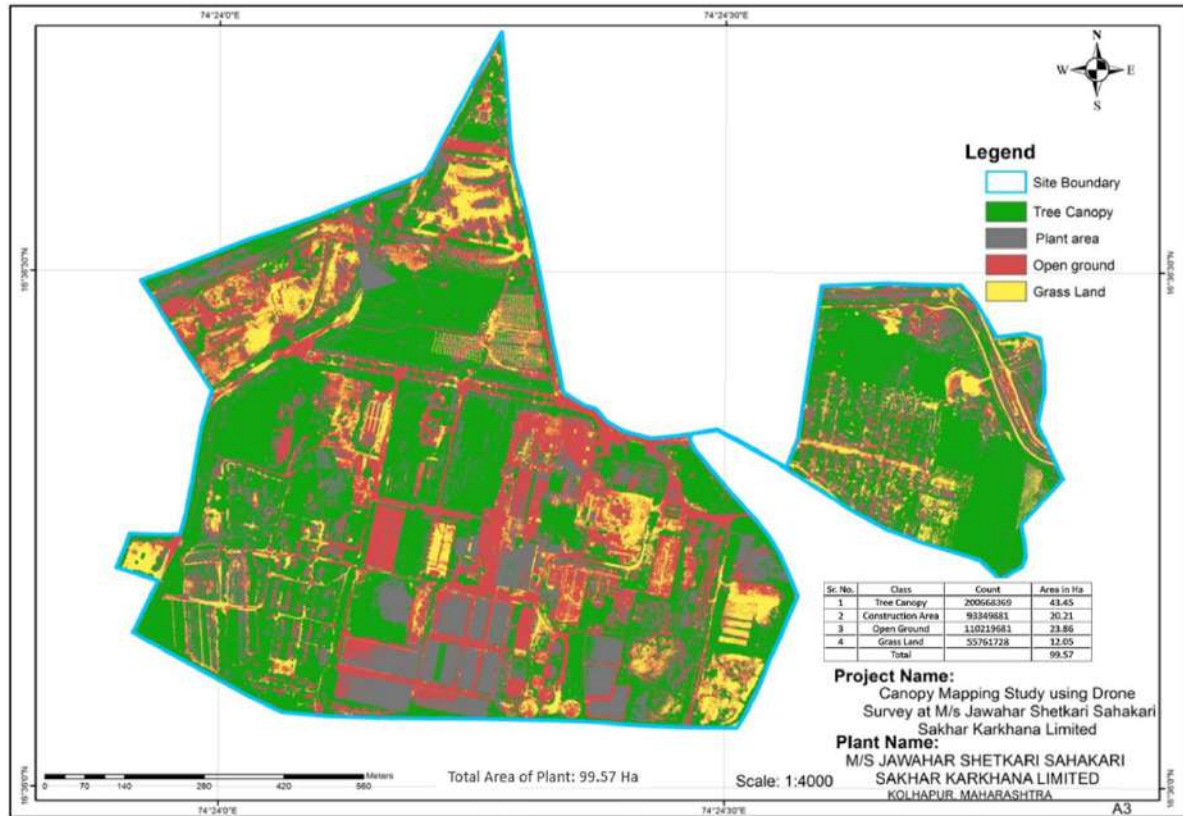


The image has been processed to apply corrections for optical distortions from the sensor system, and apparent changes in the position of ground objects caused by the perspective of the sensor view angle and ground terrain. This ortho-rectified composite image is accurately georeferenced and further 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.

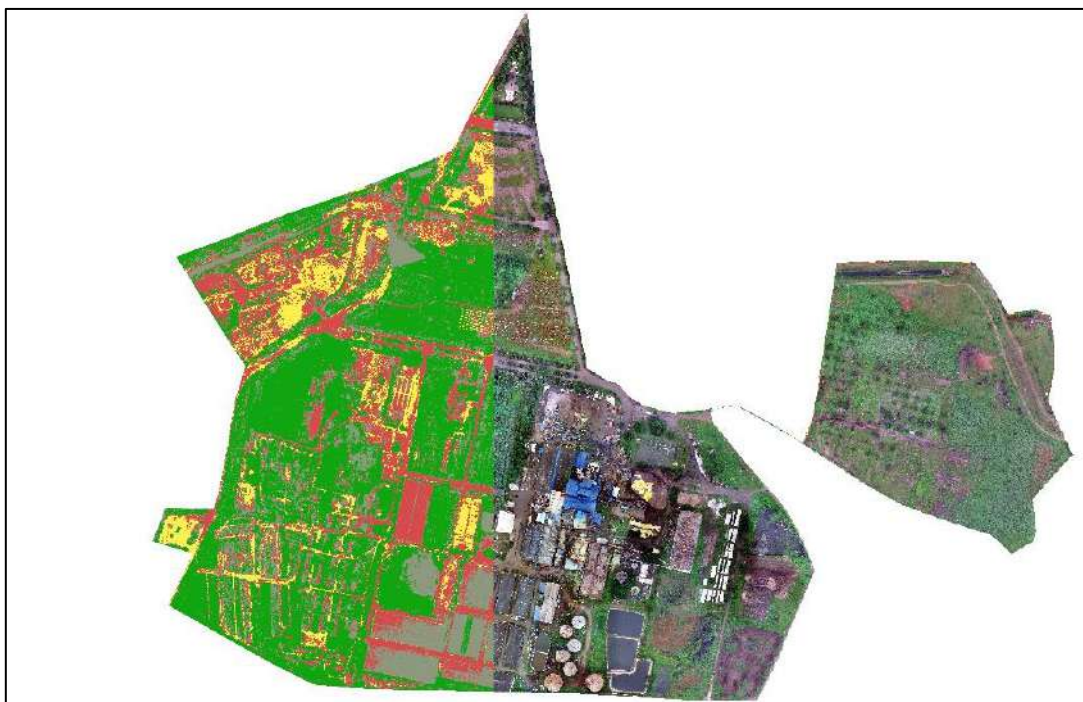
Table 1 Index Count and Area of the Four Classes by NDVI Technique

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

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 sequester 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.

Annexure- VII

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) Oct 2024 to March 2025
1	APC Equipment	0.00	0.27
2	E.T.P & Upgradation	1.14	26.39
3	Environmental Monitoring	0.00	0.00
4	Green Belt Augmentation Plan	0.00	7.26
Total		1.14	33.92
		0	
Jawahar Shetkari Sahakari Sakhar Karkhana Ltd Hupari			
Corporate Environmental Responsibility (CER)			
Sr. No	CER Activity	(Rs.in Lakhs) Oct 2024 to March 2025	
1	Sports Promotion funding	4.33	
2	Funding for Social Activities	27.33	
3	Medical Aid	9.17	
4	Funding for Education	0.30	
5	Funding for Cultural Programmes	5.39	
6	Provision of Drinking Water Facility	0.00	
7	Drip Irrigation Subsidy	1.63	
Total		48.15	





कुरुंदवाड : जवाहर कारखान्यामार्फत सभासद शेतकरी सुभाष गजरे यांना धनादेश प्रदान करताना संचालक सुकुमार किनिगे व मान्यवर.

'जवाहर'मार्फत हृदय शस्त्रक्रियेसाठी सुभाष गजरे यांना ५० हजारांची मदत

कुरुंदवाड : जवाहर कारखान्याकडे नियमित ऊस पुरवठा करणाऱ्या ऊस उत्पादक सभासदांना निधीतून वैद्यकीय अर्थसहाय्य योजनेतर्गत हृदय विकार, कॅन्सर, मूत्रपिंड, मोतीबिंदू, काचबिंदू या रोगावरील उपचाराकरिता आर्थिक मदत दिली जाते. या योजनेमधून सुभाष वसंत गजरे (रा. कागवाड, जि. बेळगाव) यांना हृदयविकारावरील उपचाराकरिता ५० हजारांचा धनादेश देण्यात आला. यावेळी जवाहरचे संचालक सुकुमार किनिगे, ओव्हरसियर असलम तांबोळी, शेती मदतनीस किरण कोले, राजू खोत, मारुती परीट, विजय काणे व ऊस उत्पादक शेतकरी उपस्थित होते.



भोज येथे जवाहर कारखान्याच्या वतीने वैद्यकीय उपचारासाठी आर्थिक मदतीचा धनादेश वितरण

कारदगा (हिंदुसम्राट प्रतिनिधी रंगराव बने यांजकडून):-हूपरी येथील जवाहर शेतकरी साखर कारखान्याच्यावतीने भोज येथील ऊस उत्पादक सभासद धन्याकुमार भिमु चौगुले(पांगरे)यांना हृदय विकाराच्या उपचारासाठी ५० हजार रुपयेचा धनादेश कारखान्याचे संचालक शीतल अमणावर व सुमेरु पाटील यांच्या हस्ते भोज सर्कल ऑफिसमध्ये वितरण करण्यात आला. कारखान्याकडे नियमित ऊस पुरवठा करणाऱ्या ऊस उत्पादक सभासदकरिता कारखान्याच्या स्वनिधीतून वैद्यकीय अर्थ सहाय्य योजनेअंतर्गत हृदय

विकार, कॅन्सर, मूत्रपिंड, मोतीबिंदू, काचबिंदू उपचारासाठी कारखान्याचे संस्थापक चेअरमन कल्लाप्पाण्णा आवाडे, आमदार प्रकाश आवाडे यांनी योजना सुरू केली. याच योजनेतून भोज येथील धन्याकुमार चौगुले यांना हृदय विकार उपचारासाठी हा ५० हजार रुपयेचा धनादेश सुपूर्द केला. यावेळी सिनियर अग्नीहोशर अनिल चौगुले, विश्वनाथ हिरेमठ, आप्पा दुर्गे, सर्कल अधिकाारी वर्धमान ईसराणा, बाळासो मालबा, सुनील हिरीकुडे, अजित मगदूम, अमोल पाटील, अनिल झुलपे आदी उपस्थित होते.

जवाहर कारखान्याकडून वैद्यकीय अर्थसहाय्य वितरण

कारदगा (हिंदुसम्राट प्रतिनिधी रंगराव बने यांजकडून):-जवाहर शेतकरी साखर कारखान्याच्या मार्फत संस्थापक चेअरमन कल्लाप्पाण्णा आवाडे व आमदार प्रकाश आवाडे यांच्या मार्गदर्शानुसार शिरगाव येथील ऊस उत्पादक सभासद कैलशमण सिद्धाप्पा खिलारे यांचे वारसदार मुताप्पा लक्ष्मण खिलारे यांना वैद्यकीय अर्थसहाय्य योजनेतून ५० हजार रुपयेचे अर्थसहाय्य धनादेश भोज सर्कल ऑफिसमध्ये संचालक सुमेरु पाटील व शीतल अमणावर यांच्या हस्ते सुपूर्द करण्यात आला.



वैद्यकीय अर्थसहाय्य योजनेतून हृदयविकार, कॅन्सर, मूत्रपिंड, मोतीबिंदू, काचबिंदू उपचारासाठी आर्थिक मदत देण्याची योजना सुरू केली आहे. त्याप्रमाणे शिरगाव येथील ऊस उत्पादक लक्ष्मण खिलारे यांना कॅन्सर आजारावर उपचार सुरू असता त्यांचा मृत्यू झाला. त्यामुळे त्यांना आर्थिक सहाय्य म्हणून त्यांचे वारसदार मुताप्पा खिलारे यांच्याकडे ५० हजारांचा धनादेश सुपूर्द करण्यात आला. यावेळी एंजिनीयरीयर वर्धमान इसराणा, बाळासो मालबा, अजित मगदूम, सुनील हिरीकुडे, अमोल पाटील, गजानन मठपती, वृषभ अक्कोळे, भरत भागाजे, बाबासो माणगावे, विलास टायशेटी, संतोष पलसकर, संजय हसुरे, सिदनाळे, सुरेश पोवाडे आदी उपस्थित होते.

जवाहर साखर कारखान्यातर्फे वैद्यकीय अर्थसहाय्यक

अकिवाट/प्रतिनिधी-

जवाहर शेतकरी सहकारी साखर कारखान्याच्या वैद्यकीय अर्थ सहाय्यता योजनेतर्गत अकिवाट येथील नियमित ऊस पुरवठा सभासद राजगोंडा जयपाल पाटील यांना डोळ्याच्या मोतीबिंदू उपचारासाठी ३ हजार रुपये व तमण्णा श्रीमंत चौगुले यांना हृदयविकाराच्या उपचारासाठी ५० हजारांचा धनादेश संचालक संजयकुमार कोथही व बाबासो होसकळे यांच्याहस्ते प्रदान करण्यात आला.

धनादेश स्विकारल्यानंतर



सभासदांच्या चेहऱ्यावर हास्य उमटले. ही योजना संस्थापक कल्लाप्पाण्णा आवाडे यांच्या संकल्पनेतून चेअरमन प्रकाश आवाडे यांच्या प्रेरणेनून कारखान्यास नियमित ऊस पुरवठा करणाऱ्या

सभासदांना या योजनेचा लाभ घेता येतो असे संचालक कोथळी यावेळी म्हणाले. यावेळी वरीष्ठ विभागीय शेती अधिकारी अजित चौगुले, लिपिक सुनिल दिवटे यांच्यासह कर्मचारी उपस्थित होते.





Rain Water Harvesting



Photographs of Asphalted Roads



Photographs of Asphalted Roads



Online Monitoring System



Boiler Ash Handling System



OCMS for Sugar Factory ETP



OCMS (Analyzer)



OCMS (Sensor)



Flow Meter on Treated Effluent Pipe

ESP for 20 & 90 TPH Boiler Capacity



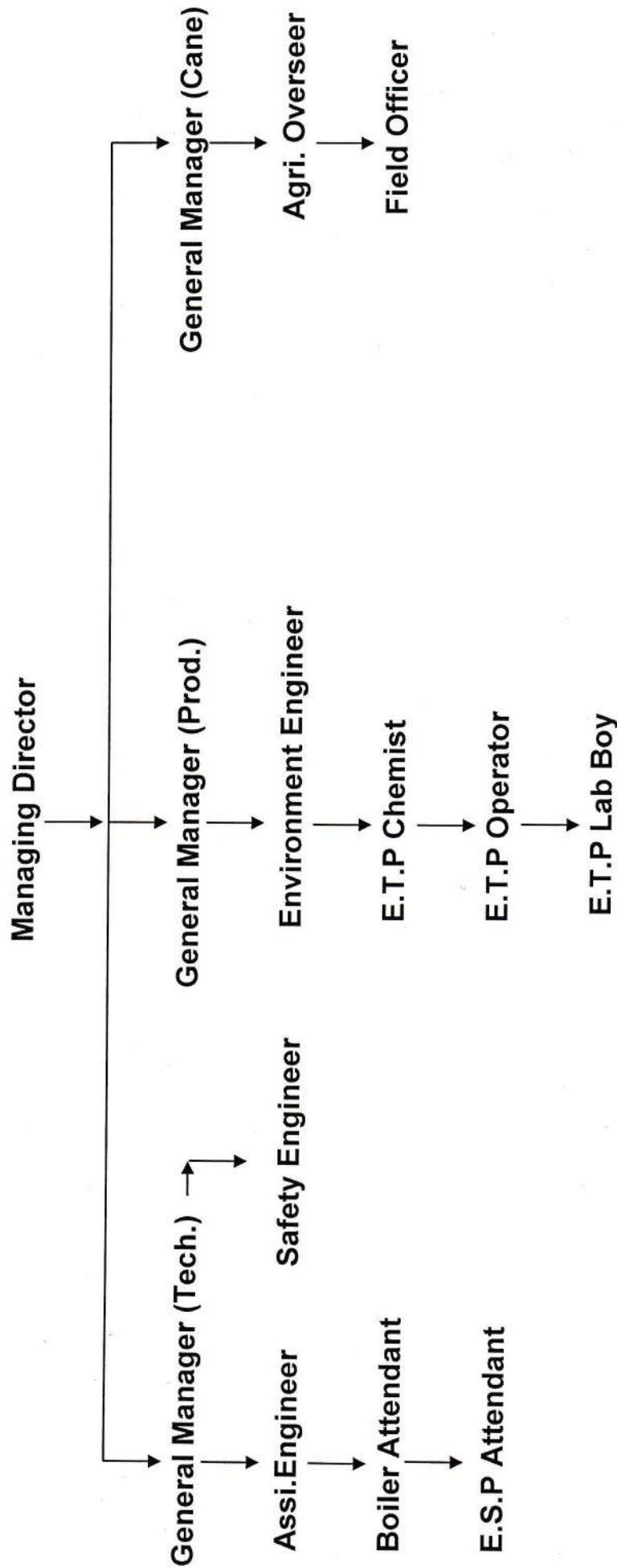
ESP for 75 TPH Boiler Capacity



Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari

Shri Kallappa Anna 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)
 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/AAQM/2024-25/01/476		Report Date	21/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/01/476			
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	Upwind Village (Talandage)		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
08:00 AM.	09:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	16.0	Wet Bulb Temperature °C	12.0	
Dry Bulb Temperature °C	16.0	Relative Humidity % RH	62.4	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
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/cum	100.00	55.16
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	21.80
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	06.25
Oxides of Nitrogen (NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	14.77
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.				

END OF REPORT

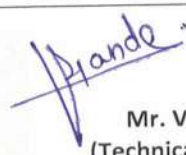


 Mr. Vinod Hande
 (Technical Manager)
 Reviewed & Authorized By

Page 1 of 1

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- 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 purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- If on site their is no proper sampling location, Source or port available the results of testing are not challenge.
- MoEF approved Lab by Govt. of India. till 28/02/2026 and NABL approved by Quality Council of India. till 28/02/2026.

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/AAQM/2024-25/01/477		Report Date	21/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/01/477			
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	Downwind Village (Jagamwadi)		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
08:45 AM.	09:45 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	18.0	Wet Bulb Temperature °C	12.0	
Dry Bulb Temperature °C	18.0	Relative Humidity % RH	48.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
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/cum	100.00	58.33
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	24.10
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	07.02
Oxides of Nitrogen (NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	16.35
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.				
<div> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</div> <div></div>				


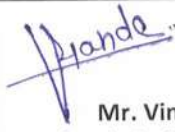
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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2024-25/01/478		Report Date	21/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/01/478			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	GLC Village (Rendal)		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
09:35 AM.	10:35 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	20.0	Wet Bulb Temperature °C	13.0	
Dry Bulb Temperature °C	20.0	Relative Humidity % RH	44.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
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/cum	100.00	59.13
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	25.09
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	07.45
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	16.91
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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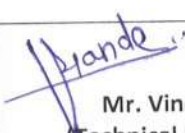
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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2024-25/01/479		Report Date	21/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/01/479			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, 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.	
10:00 AM.	11:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	21.0	Wet Bulb Temperature °C	14.0	
Dry Bulb Temperature °C	21.0	Relative Humidity % RH	45.4	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	26/04/2024	
Calibration Certificate No.	FDS 2021-22/76/ GESEC/Lab/Inst/76	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/cum	100.00	64.23
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	27.48
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	13.25
Oxides of Nitrogen (NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	22.10
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.				
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: right;">  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By </div> </div>				

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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2024-25/01/480		Report Date	21/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/01/480			
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.	
10:15 AM.	11:15 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	21.0	Wet Bulb Temperature °C	14.0	
Dry Bulb Temperature °C	21.0	Relative Humidity % RH	45.4	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	26/04/2024	
Calibration Certificate No.	FDS 2021-22/77/ GESEC/Lab/Inst/77	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/cum	100.00	60.33
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	25.10
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	12.98
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	18.62
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/2024-25/01/481		Report Date	21/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/01/481			
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 Cane Yard		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
10:40 AM.	11:40 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	23.0	Wet Bulb Temperature °C	15.0	
Dry Bulb Temperature °C	23.0	Relative Humidity % RH	41.6	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
Name Of Instrument	Fine Particulate Sampler	Date Of Calibration	26/04/2024	
Calibration Certificate No.	FDS 2021-22/78/ GESEC/Lab/Inst/78	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/cum	100.00	67.16
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	30.97
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	13.22
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	26.64
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/2024-25/12/1424		Report Date	02/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/12/1424			
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.	
04:00 PM.	05:00 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	36.8	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25/12/2024	26/12/2024	26/12/2024	02/01/2025	
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/cum	100.00	68.23
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	31.55
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	15.98
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	26.54
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/2024-25/01/482		Report Date	21/01/2025
Sample ID: -	GESEC/PRO/WZM/2024-25/01/482			
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	
Ambient Air	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
11:00 AM.	12:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30.0	Wet Bulb Temperature °C	19.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH	34.4	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
Name of Instrument	Handy sampler	Date of Calibration	26/04/2024	
Calibration Certificate No.	220412/GESEC/LAB/INST/100	Due Date of Calibration	25/04/2025	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.782
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	0.015
Note: ➤ Limits: As per the Second Schedule of Factories Act /OSHA TWA				
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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2024-25/01/483		Report Date	21/01/2025
Sample ID: -	GESEC/PRO/WZM/2024-25/01/483			
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 was done by	
Ambient Air	Sugar House		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
11:20 AM.	12:20 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	31.0	Wet Bulb Temperature °C	19.0	
Dry Bulb Temperature °C	31.0	Relative Humidity % RH	31.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
Name Of Instrument	Handy sampler	Date of Calibration	26/04/2024	
Calibration Certificate No.	220413/GESEC/LAB/INST/101	Due Date of Calibration	25/04/2025	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.580
Sulphur Dioxide (SO ₂)	GESEC/LAB/SOP/WZM/28	mg/m ³	5	0.007
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/2024-25/01/484		Report Date	21/01/2025
Sample ID -	GESEC/PRO/ST/2024-25/01/484			
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	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	08/10/2024	
Calibration Certificate No.	5919/GESEC/LAB/INST/33	Due Date of Calibration	07/10/2025	
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)	135	Velocity (m/s)	7.43	
Gas Volume (Nm ³ /Hr)	342985.28			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	45.78
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	13.60
		Kg/day	-	111.95
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/NM ³ .				
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2024-25/01/485	Report Date	21/01/2025	
Sample ID -	GESEC/PRO/ST/2024-25/01/485			
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	
15/01/2025	16/01/2025	16/01/2025	21/01/2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	03/08/2024	
Calibration Certificate No.	231018/GESEC/LAB/INST/89	Due Date of Calibration	02/08/2025	
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)	2.5	Pressure	3.10	
Height (m)	72			
Temperature (°C)	130	Velocity (m/s)	6.71	
Gas Volume (Nm ³ /Hr)	87654.86			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	41.95
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	11.26
		Kg/day	-	23.71
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/Nm ³ .				
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <p>***END OF REPORT***</p> </div> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p><i>V. Hande</i> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</p> </div> </div>				

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TEST REPORT

Test Report No: -	GESEC/PRO/ANLM/2024-25/01/486	Report Date	21/01/2025
Sample ID: -	GESEC/PRO/ANLM/2024-25/01/486		

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
15/01/2025	15/01/2025	15/01/2025	15/01/2025

Name Of Instrument	Sound Level Meter	Date Of Calibration	16/02/2024
Calibration Certificate No.	GESEC/LAB/INST/29	Due Date of Calibration	15/02/2025

Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (01:30 P.M.)	Night (10:10 P.M.)	
Near Main Gate	dB(A)	62.9	59.0	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	60.4	57.1	
Near Bagasse Section	dB(A)	61.8	56.7	
Near Sugar Godown	dB(A)	60.5	57.1	
Near Cane Yard	dB(A)	63.8	60.9	

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/2024-25/01/487	Report Date	21/01/2025
Sample ID: -	GESEC/PRO/WNLM/2024-25/01/487		

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	GESEC/LAB/NLM/ST/31

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
15/01/2025	15/01/2025	15/01/2025	15/01/2025

Name of Instrument	Sound Level Meter	Date Of Calibration	16/02/2024
Calibration Certificate No.	GH2482296/GESEC/LAB/INST/59	Due Date of Calibration	15/02/2025

Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (02:30 P.M.)	Night (10:50 P.M.)	
Centrifugal Section	dB(A)	70.2	68.7	≤ 90
Turbine Section	dB(A)	71.8	69.0	
Boiler Section	dB(A)	72.9	70.5	
Mill Section	dB(A)	74.7	71.9	
Pan Section	dB(A)	73.6	69.8	

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/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-SO ₄ 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. 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	7.42	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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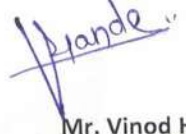
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2024-25/01/490		Report Date	21/01/2025
Sample ID : GESEC/PRO/WW/2024-25/01/490		Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari 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 ²⁻	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-SO ₄ 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-SO ₄ E 24 th Edition:2023
Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023
Remark: ➤ BDL – Below Detectable Limit.			
<div style="text-align: right;"> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</div> <div style="text-align: center;"></div>			

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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. 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	7.52	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-SO ₄ 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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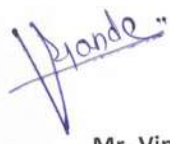

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TEST REPORT			
Test Report No: GESEC/PRO/SW/2024-25/01/494	Report Date	21/01/2025	
Sample ID: GESEC/PRO/SW/2024-25/01/494	Sample Details	ETP Sludge Sample	
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample	Solid	
	Volume Of Sample	1 KG Plastic Bag	
	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	8.66	--	IS 10158-2019
Total Solids	85.10	%	GESEC /SOP/A-01
Total Volatile Solids	20.75	%	IS 3025 10158 : 2019
Moisture Content	14.87	%	CPCB Manual LATS/16/2003-2004,Ch.4,4.7.2Page no.34
Organic Carbon	6.95	%	IS 3025 10158 : 2019
Calcium	9523.10	mg/kg	ICARDA-Methods of soil, Plant and water analysis, Page No. 113-116:2013
Magnesium	4152.37	mg/kg	ICARDA-Methods of soil, Plant and water analysis, Page No. 113-116:2013
Potassium as K	7413.95	mg/kg	USEPA / SW 846/ 6010 C, Rev 3,feb 2007
<div style="text-align: right;">  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By </div> <div style="text-align: center;">  </div>			


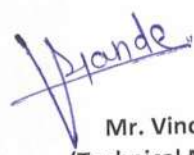
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TEST REPORT			
Test Report No: GESEC/PRO/SO/2024-25/01/495	Report Date	21/01/2025	
Sample ID : GESEC/PRO/SO/2024-25/01/495	Sample Details	Soil	
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra).	Type of Sample	Solid	
	Volume Of Sample	1 KG Plastic Bag	
	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
Nitrogen (N)	186.20	Kg/ha	ICARDA-Methods of soil, Plant and water analysis, Page No. 87-89:2013
Available Phosphorous (P)	27.14	Kg/ha	ISRIC, Page No.14-1:2002
Available Potassium	156.87	Kg/ha	Food and Agriculture Organization Sec III,8-1,Page no115
Organic Carbon	0.40	%	ICARDA-Methods of soil, Plant and water analysis, Page No. 74 :2013
Organic Matter	0.69	%	ICARDA-Methods of soil, Plant and water analysis, Page No. 74:2013
Water Soluble Chloride (Cl ⁻)	185.20	mg/kg	Soil Analysis a laboratory manual PK Behera Page no.54 & 55
Water Soluble Sulphate (SO ₄)	146.93	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	1.27	-----	Food and agriculture organization of the United nation Page no14:2016
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TEST REPORT			
Test Report No: GESEC/PRO/SW/2024-25/01/496	Report Date	21/01/2025	
Sample ID : GESEC/PRO/SW/2024-25/01/496	Sample Details	Ash 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 KG Plastic Bag	
	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
Moisture Contain	3.12	%	IS 9235:2019
Total Solid	94.87	%	GESEC /SOP/A-01
Total Volatile Solid	8.45	%	IS 3025 10158 2019
Iron	1.63	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)	369.20	mg/kg	ISRIC, Page No.14-1:2002
Total Nitrogen (as N)	0.15	%	ICARDA-Methods of soil, Plant and water analysis, Page No. 87-89:2013
Zinc	136.20	mg/kg	GESEC/LAB/SOP/ICP-OES/05
Remark(s): ➤ BDL – Below Detectable Limit.			
		 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

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Page 1 of 1

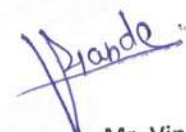

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E-mail : envirosafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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TEST REPORT			
Test Report No: GESEC/PRO/SW/2024-25/01/497	Report Date	21/01/2025	
Sample ID : GESEC/PRO/SW/2024-25/01/497	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 KG Plastic Bag	
	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
Moisture Contain	65.20	%	IS 9235:2019
Total Solid	36.93	%	IS 712,1984
Total Volatile Solid	7.88	%	IS 712,1984
Iron	0.77	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)	119.63	mg/kg	ISRIC, Page No.14-1:2002
Total Nitrogen (as N)	0.46	%	ICARDA-Methods of soil, Plant and water analysis, Page No. 87-89:2013
Zinc	74.01	mg/kg	GESEC/LAB/SOP/ICP-OES/05
Remark(s): ➤ BDL – Below Detectable Limit.			
<div style="text-align: right;"> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</div> <div style="text-align: center;"></div>			



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TEST REPORT																																							
Test Report No: GESEC/PRO/SW/2024-25/01/498	Report Date	21/01/2025																																					
Sample ID : GESEC/PRO/SW/2024-25/01/498	Sample Details	Press Mud																																					
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																																					
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	Sample Status	Sealed																																					
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<table border="1"> <thead> <tr> <th>Parameters</th> <th>Results</th> <th>Unit</th> <th>Standard Method</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>7.69</td> <td>--</td> <td>IS 10158-2019</td> </tr> <tr> <td>Organic Carbon</td> <td>9.00</td> <td>%</td> <td>FCO,A-vii,1985</td> </tr> <tr> <td>Moisture Content</td> <td>41.27</td> <td>%</td> <td>IS 9235:2019</td> </tr> <tr> <td>Residual Ash</td> <td>0.45</td> <td>%</td> <td>GESEC /SOP/COM-8-2</td> </tr> <tr> <td>C/N Ratio</td> <td>13.06</td> <td>--</td> <td>FCO,A-X,1985</td> </tr> <tr> <td>Nitrogen as N</td> <td>72.10</td> <td>mg/kg</td> <td>FCO,A-vii,1985</td> </tr> <tr> <td>Phosphorous as P</td> <td>18.63</td> <td>mg/kg</td> <td>FCO,A-viii,1985</td> </tr> <tr> <td>Potassium as K</td> <td>45.78</td> <td>mg/kg</td> <td>FCO,A-ix,1985</td> </tr> </tbody> </table>				Parameters	Results	Unit	Standard Method	pH	7.69	--	IS 10158-2019	Organic Carbon	9.00	%	FCO,A-vii,1985	Moisture Content	41.27	%	IS 9235:2019	Residual Ash	0.45	%	GESEC /SOP/COM-8-2	C/N Ratio	13.06	--	FCO,A-X,1985	Nitrogen as N	72.10	mg/kg	FCO,A-vii,1985	Phosphorous as P	18.63	mg/kg	FCO,A-viii,1985	Potassium as K	45.78	mg/kg	FCO,A-ix,1985
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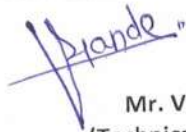
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TEST REPORT				
Test Report No – GESEC/PRO/DW/2024-25/01/499	Date of Reporting		21/01/2025	
Sample ID - GESEC/PRO/DW/2024-25/01/499	Sample Details		Drinking Water (Laboratory)	
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari 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		15/01/2025	
	Date of Sample received in lab		16/01/2025	
	Analysis start Date		16/01/2025	
	Analysis End Date		21/01/2025	
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	92.01	<500	mg/lit	APHA 2540 C 24 th Edition:2023
Chemical Parameter				
pH	7.75	6.5 to 8.5	--	APHA 4500 H+ B 24 th Ed: 2023
Total Hardness	43.38	<200	mg/lit	APHA 2340 C 24 th Ed: 2023
Total Alkalinity	30.10	<200	mg/lit	APHA 2320 B 24 th Ed: 2023
Sulphate	2.68	<200	mg/lit	APHA 4500-SO4 - E 24 th Ed: 2023
Residual Chlorine	BDL	<0.2	mg/lit	EPA 334.0,
Chloride	8.77	<250	mg/lit	APHA 4500-Cl-B 24 th Ed: 2023
Calcium (as Ca)	12.34	<75	mg/lit	APHA 3500-Ca B 24 th Ed: 2023
Magnesium (as Mg)	3.05	<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): ➤ The above water sample is completed with the required limit as per 10500:2012 for above tested parameters only.				
<div><div></div><div> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</div></div>				

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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2024-25/12/1425		Report Date	02/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/12/1425			
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.	
04:15 PM.	05:15 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	36.8	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25/12/2024	26/12/2024	26/12/2024	02/01/2025	
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/cum	100.00	62.36
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	27.41
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	14.59
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	18.77
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.				



Vinod Hande

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


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TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2024-25/12/1426		Report Date	02/01/2025
Sample ID: -	GESEC/PRO/AAQM/2024-25/12/1426			
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 Cane Yard		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
04:30 PM.	05:30 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	42.1	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25/12/2024	26/12/2024	26/12/2024	02/01/2025	
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/cum	100.00	69.33
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	33.65
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	15.11
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	28.47
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.				
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>***END OF REPORT***</p> </div> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p><i>V. Hande</i> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</p> </div> </div>				

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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2024-25/12/1427		Report Date	02/01/2025
Sample ID: -	GESEC/PRO/WZM/2024-25/12/1427			
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	
Ambient Air	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
04:45 PM.	05:45 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	29.0	Wet Bulb Temperature °C	20.0	
Dry Bulb Temperature °C	29.0	Relative Humidity % RH	43.3	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25/12/2024	26/12/2024	26/12/2024	02/01/2025	
Name of Instrument	Handy sampler	Date of Calibration	26/04/2024	
Calibration Certificate No.	220412/GESEC/LAB/INST/100	Due Date of Calibration	25/04/2025	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.682
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	0.016
Note:				
➤ Limits: As per the Second Schedule of Factories Act /OSHA TWA				
		 <div>  <p>Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</p> </div>		


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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2024-25/12/1428		Report Date	02/01/2025
Sample ID: -	GESEC/PRO/WZM/2024-25/12/1428			
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.	
05:00 PM.	06:00 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	39.3	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25/12/2024	26/12/2024	26/12/2024	02/01/2025	
Name Of Instrument	Handy sampler	Date of Calibration	26/04/2024	
Calibration Certificate No.	220413/GESEC/LAB/INST/101	Due Date of Calibration	25/04/2025	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.635
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	0.013
Note:				
➤ Limits: As per Second Schedule of Factories Act /OSHA TWA.				
		 <div> <p>Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</p> </div>		


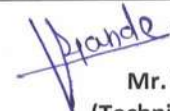
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2024-25/12/1429		Report Date	02/01/2025
Sample ID -	GESEC/PRO/ST/2024-25/12/1429			
Name & Address of the Customer				
M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
25/12/2024	26/12/2024	26/12/2024	02/01/2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	08/10/2024	
Calibration Certificate No.	5919/GESEC/LAB/INST/33	Due Date of Calibration	07/10/2025	
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	4.0	
Height (m)	75			
Temperature (°C)	130	Velocity (m/s)	7.62	
Gas Volume (Nm ³ /Hr)	356424.38			
Parameters				
Method		Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	48.22
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	15.63
		Kg/day	-	133.70
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/NM ³ .				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	


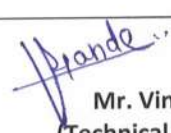
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2024-25/12/1430		Report Date	02/01/2025
Sample ID -	GESEC/PRO/ST/2024-25/12/1430			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
25/12/2024	26/12/2024	26/12/2024	02/01/2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	03/08/2024	
Calibration Certificate No.	231018/GESEC/LAB/INST/89	Due Date of Calibration	02/08/2025	
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)	2.5	Pressure	3.5	
Height (m)	72			
Temperature (°C)	125	Velocity (m/s)	6.52	
Gas Volume (Nm ³ /Hr)	93721.70			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	45.70
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	12.95
		Kg/day	-	29.13
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/Nm ³ .				
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TEST REPORT				
Test Report No: -	GESEC/PRO/ANLM/2024-25/12/1431		Report Date	02/01/2025
Sample ID: -	GESEC/PRO/ANLM/2024-25/12/1431			
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 Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date
25/12/2024	25/12/2024	25/12/2024		25/12/2024
Name Of Instrument	Sound Level Meter	Date Of Calibration		16/02/2024
Calibration Certificate No.	GESEC/LAB/INST/29	Due Date of Calibration		15/02/2025
Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (07:00 P.M.)	Night (01:00 A.M.)	
Near Main Gate	dB(A)	60.4	54.2	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	68.2	67.1	
Near Bagasse Section	dB(A)	62.6	59.8	
Near Sugar Godown	dB(A)	64.1	61.7	
Near Cane Yard	dB(A)	71.3	67.0	
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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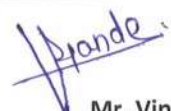
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TEST REPORT				
Test Report No: -	GESEC/PRO/WNLM/2024-25/12/1432	Report Date	02/01/2025	
Sample ID: -	GESEC/PRO/WNLM/2024-25/12/1432			
Name & Address of the Customer		M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date
25/12/2024	25/12/2024	25/12/2024		25/12/2024
Name of Instrument	Sound Level Meter	Date Of Calibration		16/02/2024
Calibration Certificate No.	GH2482296/GESEC/LAB/INST/59	Due Date of Calibration		15/02/2025
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (08:00 P.M.)	Night (01:40 A.M.)	
Centrifugal Section	dB(A)	68.5	66.2	≤ 90
Turbine Section	dB(A)	69.4	67.9	
Boiler Section	dB(A)	61.1	58.6	
Mill Section	dB(A)	64.7	60.5	
Pan Section	dB(A)	70.1	66.8	
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.				
 <div style="display: inline-block; vertical-align: middle; margin-left: 20px;">  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By </div>				

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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
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>GREEN ENVIROSAFE PUNE Engineers & Consultant Pvt. Ltd.</p> </div> <div style="text-align: right;">  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By </div> </div>			



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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																																													
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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																																				
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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 ⁻	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: ➤ BDL – Below Detectable Limit. ➤ All parameters are within the MPCB limit.				
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TEST REPORT																																							
Test Report No: GESEC/PRO/WW/2024-25/12/1437		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																																				
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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. 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	7.72	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-SO ₄ 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/AAQM/2024-2025/02/174		Report Date	17.02.2025
Sample ID: -	GESEC/PRO/AAQM/2024-2025/02/174			
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.	
09:30 AM.	10:30 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	24.0	Wet Bulb Temperature °C	15.0	
Dry Bulb Temperature °C	24.0	Relative Humidity % RH	36.9	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2025	12.02.2025	12.02.2025	17.02.2025	
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	26/04/2024	
Calibration Certificate No.	FDS 2021-22/76/ GESEC/Lab/Inst/76	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/cum	100.00	62.23
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	26.11
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	12.95
Oxides of Nitrogen (NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	20.78
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/2024-2025/02/175		Report Date	17.02.2025
Sample ID: -	GESEC/PRO/AAQM/2024-2025/02/175			
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.	
09:45 AM.	10:45 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	24.0	Wet Bulb Temperature °C	15.0	
Dry Bulb Temperature °C	24.0	Relative Humidity % RH	36.9	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2025	12.02.2025	12.02.2025	17.02.2025	
Name of Instrument	Fine Particulate Sampler	Date Of Calibration	26/04/2024	
Calibration Certificate No.	FDS 2021-22/77/ GESEC/Lab/Inst/77	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/cum	100.00	59.63
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I, 36/2012-13, Page no. 15	µg/cum	60.00	23.50
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 01	µg/cum	80.00	10.19
Oxides of Nitrogen (NO _x)	CPCB Guidelines, Volume I, 36/2012-13, Page no. 07	µg/cum	80.00	16.87
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.				



[Signature]

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TEST REPORT				
Test Report No. -	GESEC/PRO/AAQM/2024-2025/02/176		Report Date	17.02.2025
Sample ID: -	GESEC/PRO/AAQM/2024-2025/02/176			
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.	
10:00 AM.	11:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	25.0	Wet Bulb Temperature °C	15.0	
Dry Bulb Temperature °C	25.0	Relative Humidity % RH	32.6	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2025	12.02.2025	12.02.2025	17.02.2025	
Name Of Instrument	Fine Particulate Sampler	Date Of Calibration	26/04/2024	
Calibration Certificate No.	FDS 2021-22/78/ GESEC/Lab/Inst/78	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/cum	100.00	64.83
Particulate Matter (PM _{2.5})	CPCB Guidelines, Volume I ,36/2012-13, Page no. 15	µg/cum	60.00	29.47
Sulphur Dioxide (SO ₂)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 01	µg/cum	80.00	13.00
Oxides of Nitrogen(NO _x)	CPCB Guidelines, Volume I ,36/2012-13, Page no. 07	µg/cum	80.00	23.65
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/2024-2025/02/177		Report Date	17.02.2025
Sample ID: -	GESEC/PRO/WZM/2024-2025/02/177			
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	
Ambient Air	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
10:15 AM.	11:15 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	28.0	Wet Bulb Temperature °C	17.0	
Dry Bulb Temperature °C	28.0	Relative Humidity % RH	31.7	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2025	12.02.2025	12.02.2025	17.02.2025	
Name of Instrument	Handy sampler	Date of Calibration	26/04/2024	
Calibration Certificate No.	220412/GESEC/LAB/INST/100	Due Date of Calibration	25/04/2025	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.650
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	0.013
Note:				
➤ Limits: As per the Second Schedule of Factories Act /OSHA TWA				
		 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By		


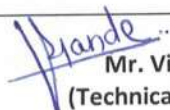
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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2024-2025/02/178		Report Date	17.02.2025
Sample ID: -	GESEC/PRO/WZM/2024-2025/02/178			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling was done by	
Ambient Air	Sugar House		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
10:30 AM.	11:30 AM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	29.0	Wet Bulb Temperature °C	17.0	
Dry Bulb Temperature °C	29.0	Relative Humidity % RH	28.3	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2025	12.02.2025	12.02.2025	17.02.2025	
Name Of Instrument	Handy sampler	Date of Calibration	26/04/2024	
Calibration Certificate No.	220413/GESEC/LAB/INST/101	Due Date of Calibration	25/04/2025	
Parameters	Method	Unit	Limits	Result
Particulate Matter (PM)	GESEC/LAB/SOP/WZM/30	mg/m ³	10	0.701
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	0.013
Note:				
➤ Limits: As per Second Schedule of Factories Act /OSHA TWA.				
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2024-2025/02/179		Report Date	17.02.2025
Sample ID -	GESEC/PRO/ST/2024-2025/02/179			
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	
11.02.2025	12.02.2025	12.02.2025	17.02.2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	08/10/2024	
Calibration Certificate No.	5919/GESEC/LAB/INST/33	Due Date of Calibration	07/10/2025	
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	3.50	
Height (m)	75			
Temperature (°C)	141	Velocity (m/s)	7.23	
Gas Volume (Nm ³ /Hr)	328945.37			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	41.05
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	12.37
		Kg/day	-	97.66
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: TPM: 150 mg/NM ³ .				
➤ Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				
<div style="display: flex; justify-content: space-between; align-items: center;"> <div>  </div> <div> <p>Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</p> </div> </div>				



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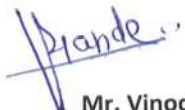
TEST REPORT				
Test Report No	GESEC/PRO/ST/2024-2025/02/180		Report Date	17.02.2025
Sample ID -	GESEC/PRO/ST/2024-2025/02/180			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
11.02.2025	12.02.2025	12.02.2025	17.02.2025	
Instrument Details				
Name Of Instrument	Stack Sampler	Date Of Calibration	03/08/2024	
Calibration Certificate No.	231018/GESEC/LAB/INST/89	Due Date of Calibration	02/08/2025	
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	3.00	
Height (m)	72			
Temperature (°C)	134	Velocity (m/s)	6.63	
Gas Volume (Nm ³ /Hr)	85804.70			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter (TPM)	EPA METHOD 17: 2017	mg/Nm ³	150	39.65
Sulphur Dioxide (SO ₂)	EPA METHOD 06: 2017	mg/Nm ³	-	10.10
		Kg/day	-	20.80
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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TEST REPORT				
Test Report No: -	GESEC/PRO/ANLM/2024-2025/02/181		Report Date	17.02.2025
Sample ID: -	GESEC/PRO/ANLM/2024-2025/02/181			
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	GESEC/LAB/NLM/ST/31			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date
11.02.2025	11.02.2025	11.02.2025		11.02.2025
Name Of Instrument	Sound Level Meter	Date Of Calibration		16/02/2024
Calibration Certificate No.	GESEC/LAB/INST/29	Due Date of Calibration		15/02/2025
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)	64.5	61.9	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	58.6	56.0	
Near Bagasse Section	dB(A)	60.2	58.7	
Near Sugar Godown	dB(A)	59.1	57.2	
Near Cane Yard	dB(A)	66.0	63.8	
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/2024-2025/02/182	Report Date	17.02.2025
Sample ID: -	GESEC/PRO/WNLM/2024-2025/02/182		

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	GESEC/LAB/NLM/ST/31

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
11.02.2025	11.02.2025	11.02.2025	11.02.2025

Name of Instrument	Sound Level Meter	Date Of Calibration	16/02/2024
Calibration Certificate No.	GH2482296/GESEC/LAB/INST/59	Due Date of Calibration	15/02/2025

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)	72.4	71.7	≤ 90
Turbine Section	dB(A)	71.0	69.8	
Boiler Section	dB(A)	75.1	73.2	
Mill Section	dB(A)	76.9	73.0	
Pan Section	dB(A)	70.6	69.1	

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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Mr. Vinod Hande
(Technical Manager)
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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. 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	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-SO ₄ E 24 th Edition:2023
Oil & Grease	16.00	mg/lit	APHA 5520 D 24 th Edition:2023
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <p>***END OF REPORT***</p> </div> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p><i>(Signature)</i> Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By</p> </div> </div>			

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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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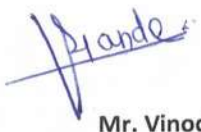
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TEST REPORT

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

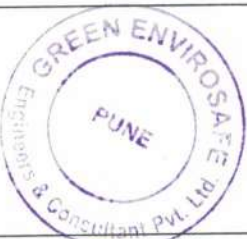
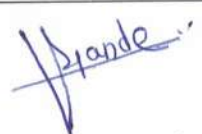
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-2025/02/186		Report Date		17.02.2025
Sample ID : GESEC/PRO/WW/2024-2025/02/186		Sample Details		Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari 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 ²⁻	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.				
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: right;">  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By </div> </div>				



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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. 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																																				
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<table border="1"> <thead> <tr> <th>Parameters</th> <th>Results</th> <th>Unit</th> <th>Standard Method</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>6.25</td> <td>--</td> <td>APHA 4500 H+,B, 24th Edition: 2023</td> </tr> <tr> <td>Suspended Solids (SS)</td> <td>196.25</td> <td>mg/lit</td> <td>APHA 2540, D, 24th Edition: 2023</td> </tr> <tr> <td>Total Dissolved Solids (TDS)</td> <td>1056.47</td> <td>mg/lit</td> <td>APHA 2540,C, 24th Edition: 2023</td> </tr> <tr> <td>Chemical Oxygen Demand (COD)</td> <td>202.96</td> <td>mg/lit</td> <td>USEPA 410.1</td> </tr> <tr> <td>Biochemical Oxygen Demand (BOD)</td> <td>95.11</td> <td>mg/lit</td> <td>USEPA NERL 405.1</td> </tr> <tr> <td>Chlorides as Cl⁻</td> <td>352.47</td> <td>mg/lit</td> <td>APHA 4500-Cl-B 24 th Edition:2023</td> </tr> <tr> <td>Sulphates as SO₄⁼⁼</td> <td>221.79</td> <td>mg/lit</td> <td>APHA 4500-SO4 E 24 th Edition:2023</td> </tr> <tr> <td>Oil & Grease</td> <td>BDL</td> <td>mg/lit</td> <td>APHA 5520 D 24 th Edition:2023</td> </tr> </tbody> </table>				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 ⁼⁼	221.79	mg/lit	APHA 4500-SO4 E 24 th Edition:2023	Oil & Grease	BDL	mg/lit	APHA 5520 D 24 th Edition:2023
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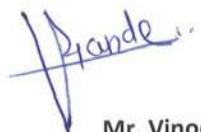
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2024-2025/02/188		Report Date		17.02.2025
Sample ID : GESEC/PRO/WW/2024-2025/02/188		Sample Details		Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari 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	7.48	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 ⁼⁼	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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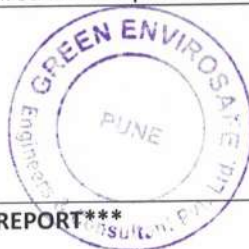
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TEST REPORT				
Test Report No – GESEC/PRO/DW/2024-2025/02/189		Date of Reporting		17.02.2025
Sample ID - GESEC/PRO/DW/2024-2025/02/189		Sample Details		Drinking Water (Laboratory)
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari 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/ANLM/2024-25/12/1431		Report Date	02/01/2025
Sample ID: -	GESEC/PRO/ANLM/2024-25/12/1431			
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 Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date
25/12/2024	25/12/2024	25/12/2024		25/12/2024
Name Of Instrument	Sound Level Meter	Date Of Calibration		16/02/2024
Calibration Certificate No.	GESEC/LAB/INST/29	Due Date of Calibration		15/02/2025
Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (07:00 P.M.)	Night (01:00 A.M.)	
Near Main Gate	dB(A)	60.4	54.2	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	68.2	67.1	
Near Bagasse Section	dB(A)	62.6	59.8	
Near Sugar Godown	dB(A)	64.1	61.7	
Near Cane Yard	dB(A)	71.3	67.0	
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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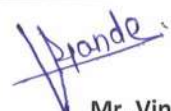
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TEST REPORT				
Test Report No: -	GESEC/PRO/WNLM/2024-25/12/1432	Report Date	02/01/2025	
Sample ID: -	GESEC/PRO/WNLM/2024-25/12/1432			
Name & Address of the Customer		M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date
25/12/2024	25/12/2024	25/12/2024		25/12/2024
Name of Instrument	Sound Level Meter	Date Of Calibration		16/02/2024
Calibration Certificate No.	GH2482296/GESEC/LAB/INST/59	Due Date of Calibration		15/02/2025
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (08:00 P.M.)	Night (01:40 A.M.)	
Centrifugal Section	dB(A)	68.5	66.2	≤ 90
Turbine Section	dB(A)	69.4	67.9	
Boiler Section	dB(A)	61.1	58.6	
Mill Section	dB(A)	64.7	60.5	
Pan Section	dB(A)	70.1	66.8	
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/2024-25/01/486	Report Date	21/01/2025
Sample ID: -	GESEC/PRO/ANLM/2024-25/01/486		

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
15/01/2025	15/01/2025	15/01/2025	15/01/2025

Name Of Instrument	Sound Level Meter	Date Of Calibration	16/02/2024
Calibration Certificate No.	GESEC/LAB/INST/29	Due Date of Calibration	15/02/2025

Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (01:30 P.M.)	Night (10:10 P.M.)	
Near Main Gate	dB(A)	62.9	59.0	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	60.4	57.1	
Near Bagasse Section	dB(A)	61.8	56.7	
Near Sugar Godown	dB(A)	60.5	57.1	
Near Cane Yard	dB(A)	63.8	60.9	

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/2024-25/01/487	Report Date	21/01/2025
Sample ID: -	GESEC/PRO/WNLM/2024-25/01/487		

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	GESEC/LAB/NLM/ST/31

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
15/01/2025	15/01/2025	15/01/2025	15/01/2025

Name of Instrument	Sound Level Meter	Date Of Calibration	16/02/2024
Calibration Certificate No.	GH2482296/GESEC/LAB/INST/59	Due Date of Calibration	15/02/2025

Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (02:30 P.M.)	Night (10:50 P.M.)	
Centrifugal Section	dB(A)	70.2	68.7	≤ 90
Turbine Section	dB(A)	71.8	69.0	
Boiler Section	dB(A)	72.9	70.5	
Mill Section	dB(A)	74.7	71.9	
Pan Section	dB(A)	73.6	69.8	

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.




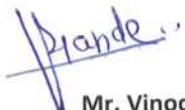
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TEST REPORT				
Test Report No: -	GESEC/PRO/ANLM/2024-2025/02/181	Report Date	17.02.2025	
Sample ID: -	GESEC/PRO/ANLM/2024-2025/02/181			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Noise Sample Details				
Type	Ambient Noise			
Sampling done by	GESEC			
Standard method	GESEC/LAB/NLM/ST/31			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
11.02.2025	11.02.2025	11.02.2025	11.02.2025	
Name Of Instrument	Sound Level Meter	Date Of Calibration	16/02/2024	
Calibration Certificate No.	GESEC/LAB/INST/29	Due Date of Calibration	15/02/2025	
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)	64.5	61.9	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	58.6	56.0	
Near Bagasse Section	dB(A)	60.2	58.7	
Near Sugar Godown	dB(A)	59.1	57.2	
Near Cane Yard	dB(A)	66.0	63.8	
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.				
				 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/WNLM/2024-2025/02/182	Report Date	17.02.2025
Sample ID: -	GESEC/PRO/WNLM/2024-2025/02/182		

Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)
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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
11.02.2025	11.02.2025	11.02.2025	11.02.2025

Name of Instrument	Sound Level Meter	Date Of Calibration	16/02/2024
Calibration Certificate No.	GH2482296/GESEC/LAB/INST/59	Due Date of Calibration	15/02/2025

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)	72.4	71.7	≤ 90
Turbine Section	dB(A)	71.0	69.8	
Boiler Section	dB(A)	75.1	73.2	
Mill Section	dB(A)	76.9	73.0	
Pan Section	dB(A)	70.6	69.1	

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.



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

END OF REPORT

Page 1 of 1

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Form No 7 (Prescribed under Rule 18 (7))

HEALTH REGISTER

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
1	612	MR. PRAKASH M UNDURE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
2	1217	MR. SHAMBHAJI B SADALE	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
3	1826	MR. SANTOSH G PALSKAR	47	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
4	957	MR. BHIMRAO M JADHAV	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
5	1523	MR. SHRIKANT G TELI	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
6	0092	MR. LAXMAN K CHOUGULE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
7	0516	MR. ASHOK R GAIKWAD	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
8	2360	MR. PRADEEP A HANDE	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
9	0392	MR. TUSHAR T POWAR	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
10	7025	MR. AKSHAYKUMAR P SHETKE	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
11	2366	MR. AJIT A PATIL	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
12	0168	MR. IMTIYAJHAMAD M BHADGAONKAR	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
13	1991	MR. SACHIN A KERGUTTE	39	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
14	7616	MR. MAHESH B BHANGE	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
15	7428	MR. SOURABH D MANE	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
16	7452	MR. FARUK A JADAMAR	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
17	6015	MR. ABHAY A MAYGONDA	36	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
18	1589	MR. JAYSING M PATIL	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
19	7449	MR. MORESHWAR K METKAR	31	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे
कोल्हापूर जिल्हाकरिता

Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR. ARVIND MANE

MBBS DPH AFIH.(Mumbai)

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
20	1266	MR. B N SHAMBHUSHETTY	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
21	7582	MR. SANKET S PATIL	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
22	7473	MR. ADITYA M SARNAIK	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
23	1394	MR. TANAJI S PATOLE	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
24	2028	MR. SOPAN B BIRJE	35	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
25	7242	MR. SOURABH J GEVISE	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
26	1006	MR. SANJAY M KUDALKAR	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
27	1680	MR. BABASO S DAINGADE	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
28	985	MR. DEEPAK V SHEREGAR	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
29	2029	MR. YOURAJ A GUNAKE	36	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
30	1868	MR. BALASO A SANADI	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
31	2192	MR. MAHAVEER P NEJE	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
32	912	MR. PANDURANG N SHINGARE	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
33	1370	MR. SUBRAV A KAGALE	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
34	1437	MR. SADIK I MUJAWAR	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
35	1695	MR. SHRENIK B MAGDUM	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
36	0862	MR. RAHIM M MALDAR	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
37	965	MR. MAHAVEER R KOGNOLE	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
38	1335	MR. VIJAY V YADAV	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकरिता

Form No 7 (Prescribed under Rule 18 (7))

HEALTH REGISTER

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR. ARVIND MANE

MBBS DPH AFIH. (Mumbai)

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving or transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
39	1683	MR. AMOL B HEARWADE	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
40	1810	MR. SHANTINATH K GANGAI	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
41	1261	MR. SANDIP B PATIL	43	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
42	7119	MR. AVINASH D CHAKARE	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
43	7260	MR. PRANAV V ATHANE	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
44	6017	MR. YUVRAJ A BHOSALE	33	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
45	0946	MR. APPASO V HAVALDAR	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
46	7301	MR. SURAJ P AWATE	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
47	2362	MR. PRAVIN J SIDANALE	31	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
48	6043	MR. SAGAR M PATIL	37	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
49	7431	MR. YOGESH J KATKOLE	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
50	1976	MR. SHRENIK B KOLHAPURE	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
51	7290	MR. BHUSHAN J NARAWADE	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
52	1228	MR. SHASHIKANT A SHINDE	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
53	6007	MR. AMIT J BHAGAJE	34	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
54	0230	MR. BHAUSO H DONGARE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
55	2141	MR. MACHINDRA A CHAVAN	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
56	621	MR. BHIMRAO S PARIT	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
57	1692	MR. MUSTAK A NAYANE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

Annexure XII

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकरिता

प्राधिकृत प्रमाणकशल्यचिकित्सक

क्र. ACS 15-AM/2016

Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other wor	Reason for leaving Transfer of discharg	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
58	1629	MR. SANJAY A TONAPE	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
59	1862	MR. RAHUL R CHOUGULE	42	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
60	396	MR. UDAY A AINAPURE	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
61	1730	MR. BHIMA P KURALI	42	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
62	1707	MR. DHANANJAY S BAGAL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
63	0650	MR. MAYAPPA L MUDHALE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
64	111	MR. RAGHUNATH Y DAVARI	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
65	7216	MR. SANKET A SHIRADWADE	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
66	370	MR. MARUTI G SHINDE	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
67	7070	MR. AMIT P SUBHEDAR	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
68	2066	MR. BHIMRAO M WAJANTRI	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
69	2172	MR. SANTU B GORADE	44	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
70	2353	MR. NITIN N SHINDE	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
71	1278	MR. UMESH B MANE	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
72	1425	MR. SHIVAJI K POWAR	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
73	1898	MR. KUNTINATH A PATIL	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
74	1665	MR. ABHIJIT S KUMBHAR	44	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
75	1398	MR. SHANKAR T PATIL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
76	1362	MR. SHRIKANT B PAWAR	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकरिता

प्राधिकृत प्रमाणक शल्यचिकित्सक

क्र. ACS 15-AM/2016

Form No 7 (Prescribed under Rule 18 (7))

HEALTH REGISTER

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

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MBBS DPH AFIH.(Mumbai)

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Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharg	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
77	7097	MR. PRAMOD S NAGAVE	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
78	372	MR. J D PATIL	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
79	6009	MR. PAVANKUMAR B PATIL	34	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
80	1476	MR. SANJAY D PATIL	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
81	2356	MR. SAGAR M MALI	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
82	7225	MR. SAMMED M KASHMIRE	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
83	7477	MR. SANTOSH S PUJARI	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
84	7333	MR. PRITAM S INGALE	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
85	1944	MR. AJIT S MANE	45	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
86	7486	MR. ANIKET G NAGARE	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
87	7422	MR. ANUP S DATTAWADE	23	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
88	1563	MR. ANIL S MALI	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
89	2383	MR. VIJAY S PODJALE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
90	2205	MR. TUSHAR V KUMBHAR	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
91	0684	MR. MOHAN R BHATANWADE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
92	685	MR. AVINASH K MORE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
93	1524	MR. BABASAHEB A PATIL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
94	-	MR. DADASO J GAVANDI	40	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
95	1738	MR. KASHINATH M KAWADE	43	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकरिता

प्राधिकृत प्रमाणकशल्यचिकित्सक

क्र. ACS 15-AM/2016

Form No 7 (Prescribed under Rule 18 (7))

HEALTH REGISTER

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR. ARVIND MANE

MBBS DPH AFIH.(Mumbai)

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
96	1791	MR. SANJAYKUMAR D PATIL	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
97	1807	MR. BALGONDA S PATIL	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
98	0610	MR. SHASHIKANT R CHARATE	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
99	1494	MR. BABASO I PATIL	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
100	7490	MR. SOURABH S GAIKWAD	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
101	1627	MR. SHITAL A MURABATTE	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
102	7267	MR. FAIYAZ S SANADI	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
103	1657	MR. ANIL V FULE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
104	0805	MR. SHIVAJI D PATIL	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
105	7594	MR. NITIN A KORVI	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
106	1602	MR. SANJAY A KHANJIRE	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
107	7552	MR. VIJAY S KUMBHAR	23	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
108	0846	MR. ADUM A MULLA	53	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
109	7380	MR. ONKAR R VIBHUTE	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
110	2302	MR. ANANDA R DHAVANE	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
111	1744	MR. AJIT R CHIKHALE	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
112	7581	MR. SAMMER S PATIL	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
113	1381	MR. KESHAV T KHOT	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
114	7278	MR. VAIBHAV T SHINDE	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे
कोल्हापूर जिल्हाकरिता

Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

From: 09/09/2024 To 08/09/2025

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

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

Sl. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or by product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
115	1897	MR. AMOL G HANDE	43	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
116	1998	MR. SUNIL S GURAV	47	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
117	7288	MR. SHASHIKANT B PATIL	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
118	1864	MR. SHIVAJI G MADHALE	45	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
119	1760	MR. PRAKASH S JADHAV	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
120	777	MR. AJIT D VASWADE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
121	2165	MR. PANKAJ P PATIL	37	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
122	0527	MR. RAJENDRA K PATIL	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
123	0709	MR. DILIP R PATIL	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
124	579	MR. DHULGONDA K MORE	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
125	1619	MR. PANDURANG D KUMBHAR	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
126	387	MR. SURESH B HANBAR	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
127	2084	MR. BALASO D CHOUGULE	48	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
128	7332	MR. SADGONDA A SHIROLE	31	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
129	1054	MR. SHITAL C KAJAVE	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
130	1077	MR. RAJGONDA A PATIL	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
131	1955	MR. TANAJI P BHORE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
132	7121	MR. SANJAY S PATIL	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
133	2000	MR. A J CHOUGULE	37	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे
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Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER**

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Certifying Surgeon

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Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other wor	Reason for leaving Transfer of discharg	Nature of job or occupation	Raw material or bye product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate - certifying surgeon.
134	380	MR. VILAS M PATIL	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
135	1722	MR. SANTOSH R BHOPE	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
136	675	MR. SUNIL S SHINDE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
137	1579	MR. SANJAY G BHOI	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
138	32	MR. JAYPAL B GATH	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
139	2341	MR. SANTOSH S DHARKADE	35	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
140	7433	MR. RAHUL B GURAV	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
141	7407	MR. VINOD A PATIL	32	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
142	466	MR. DHONDIRAM N PATIL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
143	7516	MR. ANIKET A KAMBLE	28	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
144	1735	MR. ANIL B MORE	44	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
145	0457	MR. ANANTKUMAR M UPADHYE	40	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
146	0007	MR. RAMESH R CHAVAN	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
147	1595	MR. SUKUMAR S AINAPURE	51	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
148	405	MR. ASLAM G SHAIKH	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
149	1802	MR. ASLAM U MULLANI	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
150	2096	MR. SHRIPAD S KUMBHAR	39	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
151	1382	MR. SHRIKANT G SHETAKE	57	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
152	2195	MR. SHAMGONDA D PATIL	30	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

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153	1341	MR. AYUBKHAN H JAMADAR	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
154	7518	MR. SHUBHAM S PATIL	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
155	7383	MR. FIROJ N MAKUBHAI	38	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
156	7276	MR. ABHIJEET S KAMBLE	37	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
157	1387	MR. RAJKUMAR S MAGDUM	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
158	1825	MR. SANTOSH R KAMBLE	47	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
159	1633	MR. SHIVAJI B MALI	46	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
160	0516	MR. RAJENDRA A MAGDUM	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
161	1605	MR. SUDHIR A PATIL	47	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
162	1792	MR. BAHUBALI S GOTHURE	43	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
163	507	MR. PRAKASH A KHOCHAGE	52	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
164	0786	MR. BALASO A GOTKHINDE	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
165	2044	MR. ARUN A ARVADE	42	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
166	7277	MR. NIKHIL M KANIRE	32	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
167	1431	MR. JAYRAM B GURAV	58	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
168	2140	MR. LAXMAN B BANKE	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
169	1921	MR. RAVINDRA P KARANGE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
170	35	MR. BHAUSAHEB N SHENDGE	55	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
171	7528	MR. ABHIMANYU A NIKAT	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

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Form No 7 (Prescribed under Rule 18 (7))**HEALTH REGISTER****From: 09/09/2024 To 08/09/2025****Certifying Surgeon****DR.ARVIND MANE****MBBS DPH AFIH.(Mumbai)****Company Name : KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.**

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172	733	MR. UDAY B CHOUGULE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
173	1739	MR. VIJAYKUMAR A PATIL	42	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
174	1658	MR. VIJAY P SHINDE	49	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
175	913	MR. SUNIL R CHOUGULE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
176	7423	MR. YOGESH R KALYANI	27	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
177	1647	MR. YUVRAJ B PATIL	50	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
178	7495	MR. VISHAL U JOG	24	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
179	7599	MR. ONKAR V ARUNKAR	25	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
180	7515	MR. SHRIDHAR K PATIL	23	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
181	7619	MR. PRASHANT K PARIT	21	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
182	2310	MR. AKSHAY KULKARNI	29	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
183	7496	MR. SURAJ M PATIL	26	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
184	2339	MR. MAHADEV R KUMBHAR	56	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
185	1037	MR. BALKRUSHAN K CHOUGULE	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
186	1930	MR. ANSAR A CHILLI	44	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
187	6295	MR. GULAB S DABADE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
188	2335	MR. SUSHANT S PATIL	35	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
189	467	MR. VIJAY J UTTURE	59	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	
190	0737	MR. USMAN M SHAIKH	54	M	-	NA	NA			09/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

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HEALTH REGISTER

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1141	7210	MR. INDRAJEET B KARADE	28	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1142	7394	MR. KUBER S PUJARI	26	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1143	7249	MR. SANTOSH K PUJARI	28	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1144	1393	MR. VILAS D KAMBLE	53	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1145	1858	MR. UDAY R PATIL	45	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1146	1448	MR. SUBHASH V GAJARE	48	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1147	2350	MR. SANTOSH A PATIL	34	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1148	6002	MR. AMIT A CHOUGULE	38	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1149	7116	MR. SHUBHAM B MORE	26	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1150	0009	MR. ARUN K GADE	52	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1151	1893	MR. AMAR S PATIL	44	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1152	6230	MR. BABANRAO B DESAI	59	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1153	7209	MR. ARUN S JOG	29	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1154	7608	MR. DATTA M KHOT	23	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1155	7458	MR. ABHISHEK K GORWADE	27	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1156	7403	MR. SOURABH R CHOUGULE	26	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1157	7474	MR. RUSHIKESH R PUJARI	25	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1158	2307	MR. KUMAR B KERGULE	41	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1159	655	MR. SANJAY A KUMBHAR	52	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ धारा १०(२) प्रमाणे
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1160	1011	MR. ANANDA S MAGDUM	54	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1161	7092	MR. PANKAJ R PATIL	29	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1162	7252	MR. VAIBHAV S JOG	25	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1163	7059	MR. V B BHANDAWADE	29	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1164	7344	MR. SAGAR S AIHALE	27	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1165	6004	MR. BHARAT J CHOUGULE	46	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1166	7578	MR. SAMMED S GATURE	22	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1167	0836	MR. SANJAY R ZANJAGE	56	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1168	7096	MR. ASHITOSH R CHOUGULE	27	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1169	1227	MR. ASHOK A KHOT	52	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1170	7575	MR. SAMMED S MANGAVE	24	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1171	1834	MR. DAWAL M SHAIKH	52	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	
1172	7061	MR. SHRINIVAS B SAVALE	29	M	-	NA	NA			12/09/2024	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १८(२) प्रमाण
कोल्हापूर जिल्हाकरिता
प्राधिकृत प्रमाणकशल्यचिकित्सक
क्र. ACS 15-AM/2016

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 मंजूरी 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. ९६३ दि.०५/१२/२०२०

ग्रामपंचायत रेंदाळ

ता. हातकणंगले, जि. कोल्हापूर.



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./४१९ /२०२०-२१

दि. ०५/१२/२०२०

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

विषय- एन्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

महोदय,

आमच्या कारखान्याने ऊस गाळप क्षमतेचे प्रतिदिन १२००० मे.टनावरून प्रतिदिन १६००० मे.टनापर्यंत विस्तारीकरण करण्यास मंजूरी 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.IA-J-11011/146/2020-IA II (I), दिनांक ०१ डिसेंबर २०२० अन्वये एन्हीरॉनमेंटल क्लिअरन्स मिळालेला आहे.

आपले माहिती करिता सादर.

कळावे,

आपला विश्वासू
जवाहर शे.सह.सा. का. लि.करिता
(म.गो.जोशी)
कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.



पुत मिळाली
दि. ५/१२/२०२०

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./४९२ /२०२०-२१

दि.०५/१२/२०२०

प्रति,

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

विषय- एन्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

महोदय,

आमच्या कारखान्याने ऊस गाळप क्षमतेचे प्रतिदिन १२००० मे.टनावरून प्रतिदिन १६००० मे.टनापर्यंत विस्तारीकरण करण्यास मंजूरी 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.IA-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.

हुपरी नगरपरिषद हुपरी

आवक क्र. - २३६५/२०२४२१

दि. ५/१२/२०२०

२८

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. मुख्य कार्यकारी अधिकारी,

जिल्हा परिषद,

नागाळा पार्क,

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.IA-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

[Signature]

(म.गो.जोशी)

कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.

[Signature]

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

Proposal No	IA-J-11011/146/2020-IA II (I)
Compliance ID	109676060
Compliance Number(For Tracking)	EC/M/COMPLIANCE/109676060/2024
Reporting Year	2024
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	25-11-2024
RO/SRO Name	Dr 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 Dr Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.

11/21/24, 4:37 PM

Gmail - Submission of Six Monthly EC Conditions Compliance Report of Sugar Unit 16000 TCD for the period of April 2024 t...



Kallappanna awade Jawahar Sugar <kprjsssk@gmail.com>

Submission of Six Monthly EC Conditions Compliance Report of Sugar Unit 16000 TCD for the period of April 2024 to September 2024.

1 message

Kallappanna awade Jawahar Sugar <kprjsssk@gmail.com>


Thu, Nov 21, 2024 at 4:31 PM

To: ecompliance-mh@gov.in, pratik.cpcb@gov.in, ms@mpcb.gov.in, rokolhapur <rokolhapur@mpcb.gov.in>

--
Dear sir

Please Find Attachment

From,
Kallappanna Awade Jawahar S.S.S.K. Ltd. Hupari

 **com No.1- Jawahar Sugar Unit Six monthly compliance report for April to September 2024**
(3)_compressed.pdf
21701K



Kallappanna awade Jawahar Sugar <kprjsssk@gmail.com>

Submission of Six Monthly EC Conditions Compliance Report of 28.5 MW Co-Gen for the period of April 2024 to September 2024. 1 message

1 message

Kallappanna awade Jawahar Sugar <kprjsssk@gmail.com>

Thu, Nov 21, 2024 at 4:36 PM

To: ecompliance-mh@gov.in, pratik.cpcb@gov.in, ms@mpcb.gov.in, rokolhapur <rokolhapur@mpcb.gov.in>

--

Dear sir

Please Find Attachment

From,
Kallappanna Awade Jawahar S.S.S.K. Ltd. Hupari



com No.2- Jawahar 28.5 MW Six monthly compliance report for April to September 2024

(2)_compressed.pdf

20841K



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000067179

Submitted Date

11-07-2024

PART A

Company Information

Company Name

Kallappa Anna 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 21 2023 12:00:00:000AM

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

Product Information

Product Name

Sugar

Consent Quantity

277560.00

Actual Quantity

196668

UOM

MT/A

Electric Power (Co-generation)

28.5

22.52

Mwh

By-product Information

By Product Name

Molasses

Consent Quantity

76800

Actual Quantity

67680

UOM

MT/A

Bagasses

576000

457398

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
	2050.00	31.00
Cooling	1131.00	100.00
Domestic	328.00	300.00
All others	0.00	0.00
Total	3509.00	431.00

2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	1430	603	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	0.082	0.079	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	8.22	Ton/Ton
Lime	0.010	0.010	Ton/Ton
Sulfur	0.0032	0.003	Ton/Ton
Orthophosphoric Acid	0.000028	0.000025	Ton/Ton
Caustic Soda	0.000037	0.000029	Ton/Ton
Oil	0.00013	0.00017	Ton/Ton
Grease	0.00013	0.00009	Ton/Ton

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	264960	233858.213	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	7.63	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	72.32	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)

<i>Pollutants Detail</i>	<i>Quantity of Pollutants discharged (kL/day)</i>	<i>Concentration of Pollutants discharged(Mg/NM3)</i>	<i>Percentage of variation from prescribed standards with reasons</i>		
	<i>Quantity</i>	<i>Concentration</i>	<i>%variation</i>	<i>Standard</i>	<i>Reason</i>
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

<i>Hazardous Waste Type</i>	<i>Total During Previous Financial year</i>	<i>Total During Current Financial year</i>	<i>UOM</i>
5.1 Used or spent oil	2.64	1.906	KL/A

2) From Pollution Control Facilities

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

Part-E

SOLID WASTES

1) From Process

<i>Non Hazardous Waste Type</i>	<i>Total During Previous Financial year</i>	<i>Total During Current Financial year</i>	<i>UOM</i>
NA	00	00	MT/A

2) From Pollution Control Facilities

<i>Non Hazardous Waste Type</i>	<i>Total During Previous Financial year</i>	<i>Total During Current Financial year</i>	<i>UOM</i>
Boiler Ash	4158.24	3507	MT/A
ETP Sludge	286	258.6	MT/A

3) Quantity Recycled or Re-utilized within the unit

<i>Waste Type</i>	<i>Total During Previous Financial year</i>	<i>Total During Current Financial year</i>	<i>UOM</i>
5.1 Used or spent oil	2.64	1.906	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	1.906	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	3507	MT/A	Solid
ETP Sludge	258.6	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	510
Air pollution Control Equipment	Capital Cost	1103
Environmental Monitoring	Capital Cost	31.15
Green Belt Development	O & M Cost per year	0.72

[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 69314 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-0000067179

Submitted On:

11-07-2024



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:

MPCB-HW_ANNUAL_RETURN-0000044206

Submitted On:

03-06-2024

Industry Type :

Generator

Submitted for Year:

2024

1. Name of the generator/operator of facility

Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,

Address of the unit/facility

Gat No. 315/7 to 315/15, 925,1258,Hupari -
Yalgud, Hatkanangale, Kolhapur.

1b. Authorization Number

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

Date of issue

Nov 8, 2022

Date of validity of consent

Jul 31, 2025

2. Name of the authorised person

Manohar Gopal Joshi

Full address of authorised person

Gat No. 315/7 to 315/15, 925,1258,Hupari -
Yalgud, Hatkanangale, Kolhapur.

Telephone

9822130896

Fax

(0230)2450401

Email

kprjsssk@gmail.com

3. Production during the year (product wise), wherever applicable

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Sugar (excluding Khandsari)	Sugar	277560.0000	196668	MT/A
Power Generating plants (excluding D.G Sets)	Electric Power (Co-generation)	28.5000	22.52	MW

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Waste Name	Consented Quantity	Quantity	UOM
5.1 Used or spent oil	Used /Spent Oil	2.400	1.906	KL/Anum

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
5.1 Used or spent oil	1.906	KL/Anum	Recycler or Actual user	Burn in to boiler/ sale to recycler

3. Quantity Utilised in-house,If any

Type of Waste	Name of Waste	Quantity of Waste	UOM
5.1 Used or spent oil	Used /Spent Oil	1.906	KL/Anum

4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
--	--	0	KL/Anum

5. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
------	----------	-----

Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum
6. Quantity incinerated (if applicable)	UOM	
NA	KL/Anum	

PART B: To be filled bt Treatment,storage, and disposal facility operators

1.Total Quantity received	UOM	State Name
	KL/Anum	
2. Quantity in stock at the beginning of the year	UOM	
	KL/Anum	
3. Quantity treated	UOM	
	KL/Anum	
4. Quantity disposed in landfills as such and after treatment		
Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum
5. Quantity incinerated (if applicable)	UOM	
NA	KL/Anum	
6. Quantiy processed other than specified above	UOM	
	KL/Anum	
7. Quantity in storage at the end of the year.	UOM	
	KL/Anum	

PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year					
Waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources (Inside India)	Quantity of waste imported(If any)	Units
2. Quantity in stock at the beginning of the year					
Waste Name/Category			Quantity	UOM	
3. Quantity of waste recycled or co-procesed or used					
Name of Waste	Type of Waste		Quantity	UOM	
4. Quantity of products dispatched (wherever applicable)					
Name of product			Quantity	UOM	
5. Total quantity of waste generated					
Waste name/category			quantity	UOM	
6. Total quantity of waste disposed					
Waste name/category			quantity	UOM	
7. Total quantity of waste re-exported (If Applicable)					
Waste name/category			quantity	UOM	
8. Quantity in storage at the end of the year					
Waste name/category			quantity	UOM	
9. Quantity disposed in landfills as such and after treatment					
Type			Quantity	UOM	
Direct landfilling			NA	KL/Anum	
Landfill after treatment			NA	KL/Anum	

10. Quantity incinerated (if applicable)

NA

Personal Details

Place

Kolhapur

UOM

KL/Anum

Date

2024-06-03

Designation

Managing Director

तरुण भारत

कोल्हापूर

www.tarunbharat.com

शनिवार ५ डिसेंबर २०२०

वेळगाव • गोवा • मुंबई

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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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/>