# JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD., HUPARI

Shri Kallappanna Awadenagar, Hupari-Yalgud 416 203, Tal.: Hatkanangale, Dist.: Kolhapur (Maharashtra) Phone (0230) 2450402, Fax (0230) 2450401 E-mail : kprjsssk@gmail.com Website : www.jawaharsugar.com

Ref. No. MFG/ ETP / 1572 /2023

Date: -1405/2023

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- 2022 to March- 2023 w.r.t Sugar Unit of 16,000 TCD – Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari. Shri Kallappanna Awadenagar 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 1<sup>st</sup> December, 2020. Amended in EC letter dated 25/10/2021.

Dear Sir,

This has reference to Environmental Clearance (EC) granted to our Sugar Unit 16000 TCD – Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari. Shri Kallappanna Awadenagar, 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- 2022 to March- 2023.

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: -

 To, The Integrated Regional Office MoEFCC; Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur – 440001 Email - <u>apccfcentral-ngp-mef@gov.in</u> <u>eccompliance-mh@gov.in</u>

- 2. Sh.Bharat Kr. Sharma Scientist 'F" Central Pollution Control Board Pune Email – <u>bksharma.cpcb@nic.in</u>
- 3. Member Secretary Maharashtra Pollution Control Board Kalpataru Point, 3<sup>rd &</sup> 4<sup>th</sup> floor, Opp.Cine Planet, Near Sion Circle,Sion (E), Mumbai (Maharashtra) – 400 022 Email – <u>ms@mpcb.gov.in</u>
- **4.** Regional Officer,

Maharashtra Pollution Control Board Udyog Bhavan Building, Near Collector Office, Kolhapur – 416 002 Email – <u>rokolhapur@mpcb.gov.com</u>

#### By Speed Post/Online



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

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

Dated: 1<sup>st</sup> December, 2020

То

## M/s JawaharShetakari SSKL A/PHupari, Taluka Hatkanangale

District Kolhapur, Maharashtra -416203

#### Email: kprjsssk@gmail.com

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

Sir,

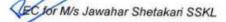
This has reference to your proposal No.IA/MH/IND2/38479/2014 dated 19<sup>th</sup> June 2020, submitting the EIA/EMP report on the above subject matter.

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.

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

3. The details of products and capacity as under:

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 hawill be developed. After expansion, the total greenbelt would be 39.37 ha which accounts for 40 % of total plot area. The estimated project cost is Rs.332.6 crores including existing investment of Rs. 298.6 crores. Total capital cost earmarked towards environmental pollution control measures under expansion is Rs. 1.10 Crores and the recurring cost (operation and maintenance) will be about Rs. 0.12 crores per annum. The project will provide employment for 1382 persons directly and indirectly after



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

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

6. Total water requirement for sugar factory after expansion will be 5244 cum/day, which includes fresh water requirement of 328 cum/day proposed to be met from the Dudhganga river, while 4916 cum/day will be recycled cane condensate, ETP treated effluent and STP treated effluent. Permission has been obtained for lifting fresh water from the Dudhganga river by Irrigation DepartmentKolhapur, 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 30<sup>th</sup> March, 2019. Public hearing for the project was conducted by the State Pollution Control Board on 12<sup>th</sup> 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 20<sup>th</sup> 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 31<sup>st</sup> January, 2020 (after conducting site visit on 21<sup>st</sup> January, 2020) has forwarded the compliance status of the existing environmental clearance conditions.

EC for M/s Jawahar Shetakari SSKL

10. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meetings held on14-16 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 clearanceto the projectfor 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

EC for M/s Jawahar Shetakari SSKL

provisions of the EIA Notification, 2006, subject to the compliance ofterms 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.

EG for M/s Jawahar Shetakari SSKL

- (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 16<sup>th</sup> 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

Page 5 of 7

- (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, ZillaParishad/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 31<sup>st</sup> 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.

EQ for M/s Jawahar Shetakari SSKL

**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.

12/2020

Dr. R. B. Lal) Scientist 'E'/Additional Director Tele-fax: 011-24695362 Email-rb.lal@nic.in (عت. عتر. عل. حتاف) (Dr. R. B. LAL) فيتاطع 'f'/Scientist 'E' पर्यावरण, वर एवं अलवायु परिवर्तन नंत्रालय Min. of Environment,Forest and Climate Change भारत सारकार, नाई दिल्ली Govt. of India, New Dethi

Copy to: -

- The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 1
- The Secretary, Environment Department, Government of Maharashtra, 15<sup>th</sup> 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, 3<sup>rd</sup> and 4<sup>th</sup> 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

EC for M/s Jawahar Shetakari SSKL

#### 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, 3<sup>rd</sup> Floor, Aliganj, Jor Bagh Road, New Delhi-110 003

Dated: 25th October, 2021

To,

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

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

Sir,

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

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

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

Sr. No.	Para of EC issued by MoEF&CC	Details as per the EC	To be Revised / Read as	Justification/ reasons
		As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/ treated water shall be ensured 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.	committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/ treated water shall be discharged outside the premises.	<ul> <li>Subsequent to grant of EC or 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.</li> <li>Despite utilizing all treated effluents &amp; condensate in process &amp; utilities, 35% of excess condensate remained balanced (2,250 CMD).</li> <li>In ensuing season, after switching to 16,000 TCD crushing, more quantity of excess condensate will remain as non- usable balance creating onsite storage &amp; disposal</li> </ul>

Sr. No.	Para of EC issued by MoEF&CC	Details as per the EC	To be Revised / Read as	Justification/ reasons	
				<ul> <li>A sugar factory becomes water exporting unit due to water content in cane (70%) which comes out as condensate after juice heating, concentration &amp; syrup making.</li> <li>For Green Belt;</li> <li>Fresh Water (1900 CMD) was used that put adverse impact (Negative) River water Resource.</li> </ul>	

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 28-30<sup>th</sup> 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 01<sup>st</sup> 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

6. All other terms and conditions stipulated in the environmental clearance dated 01<sup>st</sup> 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

Page 3 of 4

Maharashtra, Mumbai 400 032

- 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
- 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

8-25/10/2021

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

## Six monthly (Period October 2022- March 2023) Compliance report for M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd for Expansion of Sugar Factory from 12,000 TCD to 16,000 TCD (Expansion by 4000 TCD)

#### **Brief Summary of the Project**

Name of Project & Address	:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari (JSSSKL), located at Kallappanna		
		Awadenagar, Hupari-Yalgud, Tal.:Hatkanangale, Dist.:		
		Kolhapur, Maharashtra State		
Type of Project	:	Expansion of Sugar Factory from 12,000 TCD to 16,000		
		TCD (Expansion by 4000 TCD)		
Clearance Letter No. & date	:	F. No. IA-J-11011/146/2020-IA II (I) Dated 01.12.2020.		
		And its amendment dated 25.10.2021.Copies are		
		Enclosure - I		

M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. Hupari (JSSSKL) is an integrated Project Complex of Sugar factory (16,000 TCD) & Co-gen plant (28.5 MW) located at Kallappanna Awadenagar, Hupari-Yalgud, Tal.:Hatkanangale, Dist.: Kolhapur, Maharashtra State. JSSSKL was established in year 1990 under The Maharashtra Co-operative Society Act 1960. Sugar factory was registered with Govt. of Maharashtra, vide Certificate No. KPR/HLE/PRG (A)/30(S)/29-JAN-1990. In addition, it has been registered as Multi-State Co-operative Society Vide registration no. MSCS/CR-51/30-DEC-1994. The First crushing season of Sugar Factory was undertaken in the year 1993-94. Environmental Clearance was granted to 7,500 TCD Sugar and 28.5 Co-gen by Maharashtra Government vide letter no. ENV (NOC) 2005/159/CR224/TC-II, dated 27<sup>th</sup>August 2007. Further, in year 2016 the Management of JSSSKL again planned to go for Expansion of Sugar Factory 7,500 TCD to 12,000 TCD for which EC was procured vide letter no. J-11011/38/2016-IA-II (I) dated 20th December, 2016. Thereafter JSSSKL planned to go for Expansion of Sugar Factory 12,000 TCD to 16,000 TCD for which EC was procured vide letter No. F.No. IA-J-11011/146/2020-IA II (I) Dated 1st December, 2020. Moreover, in the year 2021 an amendment in 16000 TCD sugar factory EC was done by MoEFCC w.r.t usage of treated effluent in own factory premises.

#### A. Status of Condition Compliance :

Compliance of Specific and General Conditions mentioned in Environmental Clearance (EC) letter bearing no.F.No.IA-J-11011/146/2020-IA II (I) dated 01.12.2020 & It's Amendment dated 25.10.2021 for period October 2022- March 2023 as follows-

A         SPECIFIC CONDITIONS           1         Condition No.1         Industry is complying with all recommendation in EIA/EMP w.r.t environmental material protection measures and safeguards proposed in the documents         Industry is complying with all recommendation made in EIA/EMP w.r.t environmental material plan and risk mitigation measures related project implementation.	anagement
1Condition No.1Industry is complying with all recomm made in EIA/EMP w.r.t environmental plan and risk mitigation measures relat project implementation.	anagement
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.	Annual O & M (Rs. in Lakhs) October 2022 to March2023
	5.45
2 E.T.P & 0.00 3- Upgradation	34.87
Monitoring	.38
Augmentation Plan	.97
<b>Total</b> 0.00 4	13.67
2       Condition No.2         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.       Total effluent generated from sugar factor gen plant is1430CMD The same is treated art effluent treatment plant. As per amende treated effluent is 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.       Total effluent generated from sugar factor gen plant is1430CMD The same is treated art effluent treatment plant. As per amende treated effluent is used for gardening development of green belt in own factory Moreover, STP's of capacity 100 KLPI KLPD has been installed on site for tre domestic effluent. Flow sheet and Photo ETP and STP is enclosed at Annexure - I         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.         3       Condition No.3	in state of led EC, the ening and y premises. D and 50 eatment of
3 Condition No.3 As proposed, Total fresh water Total fresh water requirement is 328 cum	n/day. The

No.	<b>Environmental Clearance Conditions</b>	Compliance towards the Conditions Stipulated
	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.	same is taken from Dudhganga river for which permission has already been procured from irrigation department vide no. Kopavi (U)/Prasha- 3/(37)/bigarsinchan/4944/2018. Dated <b>04.05.2018</b> valid up to <b>30.04.2024</b> .Copy water lifting permission from irrigation department is enclosed at <b>Annexure -</b> II
4	<b>Condition No.4</b> 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 reports, Ambulance facility is attached at <b>Annexure - III</b>
5	<b>Condition No.5</b> 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.	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. Regular firefighting mock drills are conducted to train workers for fire hazards. Latest mock drill was carried and Photographs of Firefighting system; Mock drill is enclosed at <b>Annexure – IV</b> .
6	<b>Condition No.6</b> 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 7	
	<b>Condition No.7</b> 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.	Total effluent generated from sugar factory and co- gen plant is1430 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 KLPD and 50 KLPD has been installed on site for treatment of domestic effluent. Flow sheet and Photographs of ETP as well as that of STP is enclosed at <b>Annexure -</b> I
	<ul> <li>Condition No.8</li> <li>The company shall undertake waste minimization measures as below:- <ul> <li>(a) Metering and control of quantities of active ingredients to minimize waste.</li> <li>(b) Reuse of by-product from the process as raw materials substitutes in order processes.</li> <li>(c) Use of automated filling to minimize spillage.</li> <li>(d) Use of Close Feed system into batch reactors.</li> <li>(e) Venting equipment through vapor recovery system.</li> <li>(f) Use of high pressures hoses for equipment clearing to reduce waste water generation.</li> </ul> </li> </ul>	The project is an agro based industry. Sugar factory byproducts such as bagasse are utilized in cogeneration plant. Practices of recycle & reuse are duly followed in minimizing fresh water requirements. Molassess is transferred by closed pipe lines. Waste minimization is also adopted. Bagasse is handled & fed to boiler through closed conveyor. Moreover, For trash management Vermi composting is being done on site for manure. The Photographs Composting is Enclosed at <b>Annexure - V</b>
9	<b>Condition No.9</b> 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.	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 69279 Nos. of trees are planted in industrial premises

		remo	remote sensing.			
10	Condition No.10					
	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	Corporate Environmental Responsibility is being implemented in phase-wise manner. Following are the details of expenditure made during the monitoring period:				
	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-		CER Activity	Amount (in Lakh) October 2022 to March2023		
	conventional energy promotion, supply	1.	Sports Promotion funding	11.72		
	of MSW management infrastructure,	2.	Funding for Social Activities	69.29		
	medical & healthcare facilities in the	3.	Medical Aid	15.96		
	nearby villages. The action plan shall be	4.	Funding for education	0.10		
	complete within five years as proposed. All the commitments made during	5.	Funding for Cultural Programmes	0		
	public hearing shall be satisfactorily implemented.	6.	Provision of Drinking Water Facility	0		
		7.	Drip Irrigation Subsidy	3.83		
			Total	100.90		
12	The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on fresh water from the river. Condition No.12 There shall be adequate space inside the	rain water from Rooftops, Paved surface, Unpaved surface is collected in tank and the harvested rain water is used for gardening. Photographs of Rain water harvesting is enclosed at <b>Annexure - VII</b>				
	plant premises earmarked for parking of vehicles for raw materials and finished products, And no parking to be allowed outside on public places.	bullock carts, tractors, trucks etc. carrying sugar cane to Industry from farms as well as for other vehicles				
13	<b>Condition No.13</b> Storage of raw material shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.					

14	Condition No.14	
	Continuous online (24X7) monitoring	ESPs as APC are provided followed by stack height
	system for stack emissions shall be	of 75M (common for 90 TPH and 20 TPH) & 72M
	installed for measurement of flue gas	for 75 TPH boiler to control particulate matter and
	discharge and the pollutants	Gaseous pollutants. Also, online monitoring system
	concentration, and the data to be	(OCMS) is installed at stack and ETP.
	transmitted to the CPCB and SPCB	Moreover, all the results are transmitted to CPCB and
	server. For online continuous monitoring	SPCB server as well as displayed continuously on a
	of effluent, the unit shall install web	display board at the Main Entrance Gate of the
	camera with night vision capability and	industry. Photographs of APC Equipment, OCMS
	flow meters in the channel/drain	(Stack and ETP) is enclosed at Annexure - IX
	carrying effluent within the premises.	
15	Condition No.15	
	A separate Environmental Management	The industry has an Environmental Management Cell
	cell (having qualified person with	(EMC) functioning. Members of the EMC are well
	Environmental Science/Environmental	qualified and experienced in their concerned fields. A
	Engineering/ specialization I n the	separate Environment Management cell is already
	project area) equipped with full-fledged	established. Structure of EMC is enclosed at
	laboratory facilities shall be set up to	Annexure - X
	carry out the Environmental	
	Management and Monitoring functions.	

	GENERAL CONDITIONS	
16	<b>Condition No. 1</b> 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 Ministry of Environment, Forests and Climate Change (MoEFCC)/Department of Environment, Govt. of Maharashtra.
17	<b>Condition No. 2</b> The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.	Industry is preferring LED based lighting for energy conserving & environment betterment. Accordingly, the same are provided in the premises.
18	<b>Condition No. 3</b> 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.	<ol> <li>Presently; AAQM is done in Industry at 3 Locations namely - near cane yard, near main gate, near ETP in the month of December 2022, January 2023, February 2023 &amp; March 2023. Monitoring reports of the same is attached at Annexure - XI</li> <li>Also, AAQM is done in the nearby residential area         <ul> <li>at 2 Locations namely - Downwind direction (Jangamwadi village) &amp; upwind direction (Talandage village) on 01.02.2023 as per CPCB &amp; SPCB norms. Monitoring reports are enclosed at</li> </ul> </li> </ol>
19	<b>Condition No. 4</b> The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November 2009 shall be followed.	<ul> <li>Annexure – XII.</li> <li>Fugitive Emission monitoring has been done in crushing season of 2022-23 (i.e. from October 2022) at locations viz. Pan Section &amp; sugar house monitoring reports are enclosed at Annexure – XIII.</li> <li>4.</li> </ul>

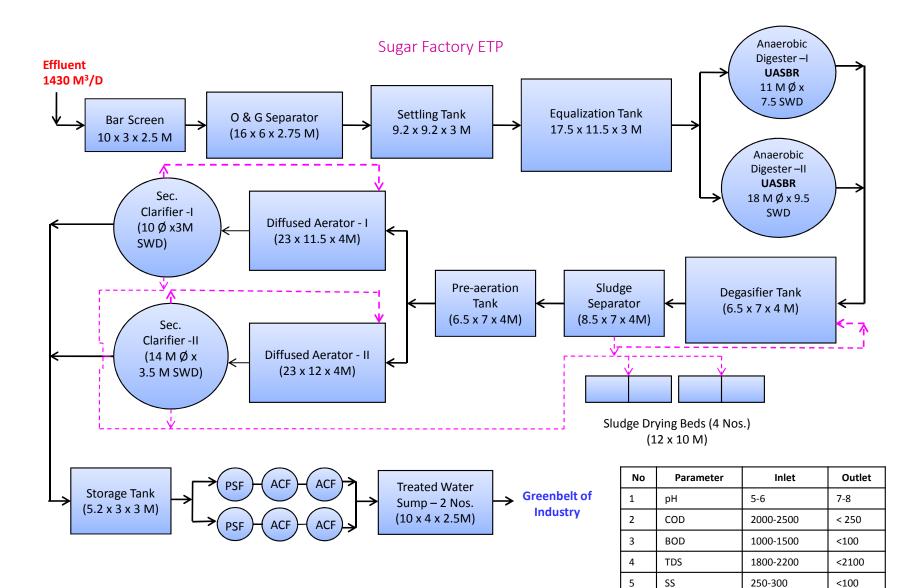
20	<b>Condition No. 5</b> The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Acoustic hoods are provided to noise generatine quipments. Also, PPEs are provided to worke working in noisy area. Overall noise levels in an around the plant area are maintained within the standards prescribed under Environment (Protectio Act, 1986, 1989 Rules. Monitoring reports a enclosed at <b>Annexure - XII</b>		
21	<b>Condition No. 6</b> 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.	Rain water harvesting is implemented on site. The rain water from Rooftops, Paved surface, Unpavec surface is collected in tank and the harvested rair water is used for gardening. Photographs of Rair water harvesting is enclosed at <b>Annexure - VII</b>		
22	<b>Condition No.7</b> 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.	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 02.09.2022 to 01/09/2023 is attached at <b>Annexure</b>		
23	<b>Condition No. 8</b> 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.	<ul> <li>implemented in phase-wise manner. Following a</li> <li>the details of expenditure made during the monitori</li> <li>period:</li> </ul>		
24	<b>Condition No. 9</b> The company shall undertake eco- developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Image:		

		6.	Provision of Drink Facility	ing Water	0
		7.	Drip Irrigation Subs	sidv	3.83
		,.	Drip Inigution Subt	Total	100.90
25	<b>Condition No. 10</b> The company shall earmark sufficient	L 1	ance strictly folloing with all the o		1 2
	funds towards capital cost and recurring cost per annum to implement the	measure	es and safeguards a lendations made in E	and implem IA/EMP	-
	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	No.	are given in table bel Description	Capital Cost (Rs. in Lakhs) Till to date	Annual O & M (Rs. in Lakhs) October 2022 to March2023
	shall not be diverted for any other purpose.	1	APC equipment	0.00	5.45
		2	E.T.P & Upgradation	0.00	34.87
		3	Environmental Monitoring	0.00	1.38
		4	Green Belt Augmentation Plan	0.00	1.97
		Total		0.00	43.67
26	<b>Condition No. 11</b> 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.	to Gram Mouje 05.12.20 Hupari Kolhapu	F Environment Cleara panchyat – Mouje R Yalgud Taluka – H 020. Also industry Nagar parishad & ar on <b>05.12.2020</b> of same are enclosed	Rendal & Gr atkalangale, submitted & Chief Exe .The Ack	Kolhapur on granted EC to cutive officer nowledgement
27	<b>Condition No. 12</b> 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	Report. submitte on 24.1 enclosed The sat	<ul> <li>regularly submits</li> <li>Latest six-monthly</li> <li>ed for period April 2</li> <li>1.2022. Email copy</li> <li>d at Annexure - XV</li> <li>me report is uploade</li> <li>w.jawaharsugar.com</li> </ul>	compliance 2022 to Sep of Acknow ed on comp	the report was performed as the second secon

	of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	
28	<b>Condition No. 13</b> The environmental statement for each financial year ending 31 <sup>st</sup> 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 31 <sup>st</sup> March in Form-V is submitted to State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, and amended subsequently. Environmental statement for 2021-22 is enclosed at <b>Annexure - XVI</b>
29	<b>Condition No.14</b> 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 <u>http://moef.nic.in</u> . 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 <b>05.12.2020</b> , industry published newspaper advertisement in two local newspapers i.e. Marathi newspaper (Tarun Bharat) and English newspaper (The Time of India) which are widely circulated in the area. Advertisement copy is attached at <b>Annexure - XVII</b>
30	<b>Condition No.15</b> 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.	Date of financial closure in connection with the Industrial Project is 31 <sup>st</sup> March.

Condition No. 16	
This Environmental clearance is granted	Noted
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.	

# Annexure – I Photographs of ETP & STP



All parameters except pH are in mg/lit.

Photographs of Sugar Factory ETP



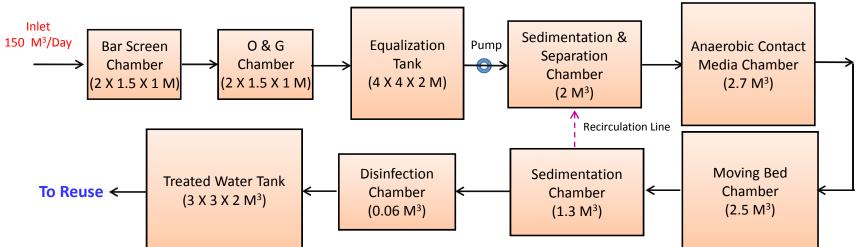






# Photographs of Sugar Factory ETP

#### Sewage Treatment Plant



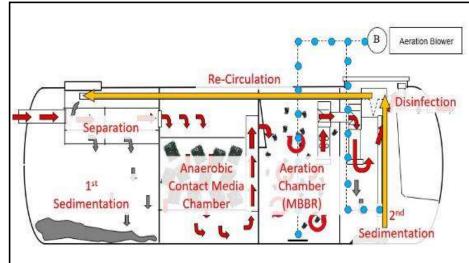
No	Parameter	Unit	Inlet	Outlet
1	рН		6.0 – 8.5	6.0 - 8.5
2	COD	mg/lit	400 – 500	< 50
3	BOD	mg/lit	250 – 300	< 10
4	TSS	mg/lit	150 - 250	< 30
5	0 & G	mg/lit	20 - 30	< 10

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



### Johkasou STP Treatment Process





Unit		Process Description		Technological Frame Work	
Separation & Sedimentation Chamber		Suspended Solids (SS) are separated.			
Anaerobic Chamber	FRP	Organic matters are anaerobically decomposed.	•	<ul> <li>Technology approved by National Jal Jeevan</li> </ul>	
Moving Bed Chamber	FRP	BOD content reduced by continuous aeration.		Mission.	
Sedimentation Chamber	FRP	SS are settled and clear treated water is obtained.		Technology Approved by	
Disinfection Chamber		Treated Water is disinfected by Disinfection agent.		CII (Confederation of Indian Industry)	
Sludge Re-circulation Arrangement	-	Sludge from 2 <sup>nd</sup> Sedimentation Chamber is recirculated to the 1 <sup>st</sup> Sedimentation Chamber.		<ul> <li>No COVID-19 Trace observed in outlet water</li> </ul>	

# Photographs of STP



# Annexure - II Water lifting Permission

कोल्हापूर पाटबंधारे विभाग (उत्तर), कोल्हापूर.

सिंचन भवन, ताराबाई पार्क, कोल्हापूर-४१६००३.

दरध्वनी क्रमांक (०२३१) २६५४७३६,फॅक्स क्र.(०२३१)२६५४७३५,ईमेलeekidkop@gmail.com

जा.क्र.कोपावि(उ)/प्रशा-३/(३७)/बिगरसिंचन/ ४९४४/सन २०१८,	दिनांक :- 0४/०५/२०१८
--	----------------------

प्रति,

कार्यकारी संचालक जवाहर शेतकरी सह साखर कारखाना लि हुपरी ता हातकणंगले जि. कोल्हापूर

## विषय :- <u>बिगर सिंचन ६वर्षिय करारनामा मंजुरी बाबत</u> १/०५/२०१८ ते ३०/०४/२०२४

संदर्भ :-

- १) भा. मुख्य अभियंता (जस)जलसंपदा विभाग पुणे यांचे ज्ञापन पत्र जा क्र मु अ (जस)/(२९६/२०१७)/प्रशा-७/५१८८ दि. ०७/१२/२०१७
  - २) पृष्ठांकन अधिक्षक अभियंता कोल्हापुर पाटबंधारे मंडळ कोल्हापुर को पा म /प्रशा-१/७८९१/२०१७ दि २२/१२/२०१७

उपरोक्त संदर्भिय पत्र क्र. १ अन्वये आपणास वाय्या प्रकल्पातुन वाय्या नदितुन पिण्यासाठी ०.१२० दलघमी व औद्योगिक कारणासाठी ०.०४८ दलघमी असा एकूण ०.१६८० दलघमी इतका सुधारित पाणी कोटा मंजूर असुन. आपण केलेल्या विनंती अर्जानुसार आपला दि ०१/०५/२०१८ते ३०/०४/२०२४ या कालावधीचा करारनामा खालील अर्टीच्या अधिन राहूनमंजुर करणेत येत आहे.

- १) संदर्भिय पत्र क्र १ मधील सर्व अटी व शर्ती बंधनकारक रहातील.
- २) संदर्भिय पत्र क्र. १ अन्वये केलेली मागणी ही पुर्वी नियोजित असलेमुळे मंजूर परिमाण किंवा त्या कालावधीचा प्रत्यक्ष पाणीवापर यापैकी जादा असणाऱ्या पाणी वापराची आकारणी करण्यात येईल.
- दि.०१/११/२०१७ ते ३१/१०/२०२३ या कालावधीसाठी रू. १००० च्या स्टॅम्प पेपरवर करारनामा करणे बंधनकारक आहे.
- ४) ज्याठिकाणी योजनेचा पंप हाऊस आहे. त्या ठिकाणी इलेक्ट्रॉनिक मोजणी यंत्र बसविणे आवश्यक असून, नॉदी ठेवण्यासाठी लॉगबुक ठेवणे आवश्यक आहे.तसेच संस्थेचा पाणीवापर पिण्यासाठी व औद्योगिक वापर वेगवेगळा असेल तर त्यासाठी वेगवेगळी इलेक्ट्रॉनिक मोजणी यंत्र बसविणे बंधनकारक असुन न बसविल्यास आकारणी औद्योगिक दराने करणेत येईल. यासर्व इलेक्ट्रॉनिक मोजणी यंत्राची नॉद वही ठेवणे बंधनकारक आहे. यासर्व इलेक्ट्रॉनिक मोजणी यंत्राची दरवर्षी कॅलिब्रेशन प्रमाणपत्र सादर करणे बंधन कारक आहे.
- ५) इलेक्ट्रॉनिक मोजणी यंत्र बसविणेची कार्यवाही न केलेस अपिणास मुळ मंजूरीनुसार दिडपट दराने आकारणी करण्यात येईल याची कृपया नोंद घ्यावी.
- ६) जलसंपदा विभाग शासन निर्णय क्र. पापव-२०१५/(प्रक्र ८८/२०१५)/सिंव्य(महस्तुल) दि. २१/०४/२०१६ अन्वये आपल्या संस्थेचे सांडपाणी विसर्जित करताना सांडपाण्याची गुणवत्ता महाराष्ट्र प्रदुषण नियंत्रण मंडळाकडून दर महिन्याला तपासून प्रदूषण होत नसल्याबाबतचे प्रमाणपत्र जलसंपदा विभागास देणे बंधनकारक राहील.

- ७) जर महाराष्ट्र प्रदुषण नियंत्रण मंडळाच्या विहीत प्रमाणकांची गुणवत्ता येईपर्यंत सांडपाण्यावर उचीत प्रक्रिया केली नसेल तर अशा प्रकरणी अनुज्ञेय दराच्या दुप्पट दराने आकारणी करणेत येईल. महाराष्ट्र प्रदुषण नियंत्रण मंडळाकडून स्वतंत्रपणे करण्यात येत असलेल्या कार्यवाही व्यतिरिक्त ही (दंडनीय) आकारणी असेल.
- ८) महाराष्ट्र प्रदुषण नियंत्रण मंडळाकडून त्यांच्या तपासणीत ज्या दिनांकास पाणी वापरकर्ता प्रदुषण कर्ता असल्याचे घोषित करणेत येईल त्या दिनांकापासून पूर्वलक्षी प्रभावाने प्रचलित अनुज्ञेय दराच्या दुप्पट दराने पाणीपट्टी वसुली आकारण्यात येईल. ही आकारणी महाराष्ट्र प्रदुषण नियंत्रण मंडळाकडून स्वतंत्रपणे करणेत येत असलेल्या कार्यवाही व्यतिरिक्त असेल.
- ९) महाराष्ट्र प्रदुषण नियंत्रण मंडळाने पाणी पुरवठा खंडीत करावयाचे आदेश काढल्यास त्यानुसार कार्यवाही करणेत येईल व सदर मंडळाने पाणी पुरवठा पुर्ववत करण्याचे आदेश काढल्यानंतर दंडनीय आकारणीसह सर्व वसुली भरुन घेतल्यानंतर पाणी पुरवठा पुर्ववत सुरु करण्यात येईल.
- १०)त्याचप्रमाणे शासनामार्फत बिगर सिंचन पाणी वापराबाबत वेळोवेळी निर्गमित होणारे शासन निर्णय व मुळ मंजूर परवान्यातील अटी आपल्यावर बंधनकारक राहतील याची कृपया नॉद घ्यावी.
- ११) आपल्या संस्थेस मंजूर करण्यात आलेल्या ०.१६८० दलघमी वापरापेक्षा +/ १०% पाणी वापर (अधिक / कमी) झाल्यास फरकाच्या वापरास दंडनीय दर लागू दराच्या दीडपटने आकारणी करणेत येईल याची नेांद घ्यावी.
- १२)शासन परिपत्रक क्र.२०१३//प्र क्र ३५७/२०१३)सिं व्य (महसुल) दि ३ जुन २०१५ नुसार आपल्या संस्थेने प्रत्यक्ष केलेला घरगुती व वाणिजिक /औधोगिक तसेच कच्चा माल म्हणुन केलेल्या पाण्याचा वापर ,प्रक्रियेसाठी केलेल्या पाण्याचा वापर ई माहिती (दि १ एप्रिल ते ३१ मार्च दरवर्षी १५ मे पुर्वी जलसंपदा विभागास विहीत प्रपत्रात सादर करणे बंधनकारक आहेसदर प्रत्यक्ष पाणी वापराची माहिती (प्रपत्र १ व प्रपत्र २)मध्ये उपलब्ध करुन न दिल्यासपाणी पट्टी आकारणी दंडणीय दराने करणेत येईल व सदर परिपत्रकातील सुचनेस अनुसरुन कार्यवाही करणेत येईल

उपकार्यकारी अभियंता, कोल्हापूर पाटबंधारे विभाग(उत्तर), कोल्हापूर.

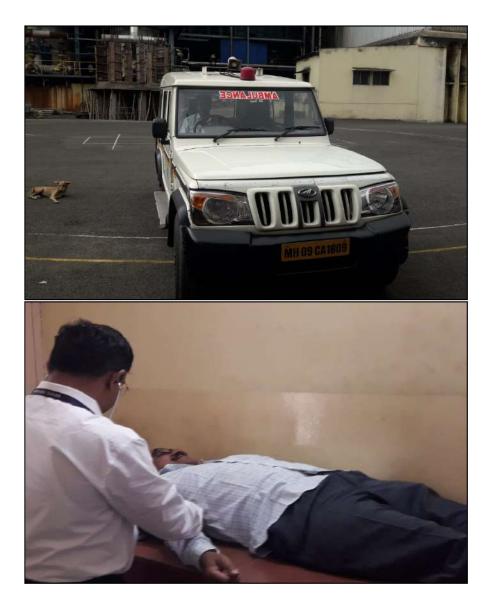
स्थळ प्रत का.अ.यांनी मंजूर केली.

प्रत :- सहाय्यक अभियंता दुधगंगा पाटबंधारे उपविभाग निढोरी यांना माहितीसाठी याबाबतची कार्यवाही काटेकोरपणे करणेसाठी रवाना. याबाबतची कार्यवाही काटेकोरपणे करणेसाठी प्रत :- सिंचन शाखा २, विभागिय कार्यालय यांना माहितीसाठी व कार्यवाहीसाठी रवाना.

JAWAHAR SSSK LTD., HUPARI WN09019 Date 414140 Servio CE, CLTO D-ME MAR LETPAUXIONSED Signature

Annexure - III Health Checkup Report

## Photographs of Health Care Facility





#### HEALTH REGISTER

#### From: 02/09/2022 To 01/09/2023

#### Certifying Surgeon DR.ARVIND MANE MBBS DPH AFIF (Mumbai)

## ompany Name : KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.

	1 20		-											
				ĵ.	ent of rk	ving or other wor	leaving discharg	b or	al or bye dled		edical	l from eriod of vith	to on with urgeon	of ssued to th gate - the ceon.
Sr. No.	Emp. No.	Name	Age	Sex	Dept of employement 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 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 unfitues or suspention issued to worker Signature with gate - certifying surgeon.
1	2304	MR. ASHOK S NALLAWADE	42	2 M		NA	NA			02/09/2022	Fit	NA	Fit	A
2	6023	MR. AKASH A BODHALE	30	) M	<u>k.</u>	NA	NA	-		02/09/2022	Fit	NA	Fit	TA
3	1817	MR. JAWAHAR B MALI	47	M	÷	NA	NA			02/09/2022	Fit	NA	Fit	11A
4	7362	MR. MANOJ B KARAKE	<b>B</b> 1	M		NA	NA :			02/09/2022	Fit	NA	Fit	
5	1099	MR. KAMLAKAR B SUTAR	52	M		NA	NA		1	02/09/2022	Fit	NA	Fit	NA
6	0334	MR. ARUN D PATI	58	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA NA
7	2030	MR. SUNIL M KIRUNGI	32	M	-	NA	NA			02/09/2022	Fit	NA	Fit	
8	1346	MR. PARGONDA N PATIL	\$1	M	-	NA	NA	2		02/09/2022	Fit	NA	Fit	NA NA
9	7451	MR. HEMANT R PATIL	26	M	-	NA	NA			02/09/2022	Fit	NA	Fit	
10	0853	MR. IQBAL A ATTAR	49	M	-	NA	NA			02/09/2022	Fit	· NA		NA
11	2066	MR. BHIMRAO M VAJANTRI	57	M	<u> </u>	NA	NA			02/09/2022	Fit		Fit	NA
12	1721	MR. JAGDISH K PATIL	48	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA
13	0308	MR. SARDAR S ROHILE		M		NA NA	NA					NA	Fit	NA
14		MR. SARDAR S MOMIN	40	M						02/09/2022	Fit	NA	Fit	NA
15		MR. SANJAY A AKIWATE				NA	NA			02/09/2022 .	Fit	NA	Fit	NA A
6		NR. VASANT A GHUNAKE	-	M		NA	NA			02/09/2022	Fit	NA	Fit	XX /
17				M		NA	NA			02/09/2022	Fit	NA	Fit	(NA
18 .			-	M	<u> </u>	NA	NA	8		02/09/2022	Fit	NA ·	Fit A	NN A
10			-+	M		NA	NA	1		02/09/2022	Fit	NA	Fit	CN D
19	7364 1	MR. MALLU B AMALE	24	M		NA	NA :		9	02/09/2022	Fit	NA Dr.	ARVINC	ANMANE
	2 2							÷.					M.B.B.S., D.P.H	DA.F.I.H. (MUMBAI)
	Page 1 of	of 66	+											: 201 0/10/B176

COUT. OF INDIA-DGFASLI RE 3D. NO.-02388

""dustrial He: "" " "n

#### HEALTH REGISTER

Certifying Surgeon DR.ARVIND MANE MBBS DPH AFIH.(Mumbai)

#### From: 02/09/2022 To 01/09/2023

## Dany Name : KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.

and in state

1														
Emp. No.	Name	Age	Sex	Dept of employement 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 suspention issued to	Signature with gate ( certifying surgeon.
1583	MR. UTTAM S MANGALE	52	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	100
7308	MR. PANKAJ S SHINDE	23	M	- 203	NA	NA	1		02/09/2022	Fit	NA	Fit	NA	
1234	MR. SURESH L POL	49	M	-	NA	NA	1		02/09/2022	Fit	NA	Fit	NA []	
7254	MR. PRATHAMESH CHOUGULE	23	M	57 B	NA	· NA ·			02/09/2022	Fit	' NA	Fit	NA	
1719	MR. AMOL A PATIL	43	М	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1475	MR. SUNIL A TASHILDAR	53	М	· - i	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1777	MR. SANJAY K BADBADE	40	М	(	NA	NA	1	*	02/09/2022	Fit	NA	Fit	NA	1
1469	MR. ABHAY B PATIL	48	M	- !	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1967	MR. TUKARAM M CHAVAN	39	М	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0073	MR. MAHAVIR A BARWADE	59	м	- L.	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1884	MR. SANTOSH A KOLI	37	м	- 1	NA	NA			02/09/2022	Fit	NA	Fit	NA	
6032	MR. PRAVIN B GURAV	30	M	-	NA	NĂ			02/09/2022	Fit	NA	Fit	NA	
0948	MR. RAJENDRA KOLHAPURE	58	1		NA	NA			02/09/2022	Fit	NA	Fit	NA	
1816	MR. DAYANAND A KAMBLE	40	M	- 1	NA	NA			02/09/2022	Fit	NA	Fit	//NA	Jab .
2028	MR. SOPAN B BIRJE	32	м		NA	NA			02/09/2022	Fit	NA	Fit	NA /	
0954	MR. BALU S MALI	52	M	-	NA	NA		\$	02/09/2022	Fit	· NA	Fit X	NA	
0623	MR. SHIVAJI K KOLI	52.	M	· - j.	NA	NA		5 a	02/09/2022	Fit	NA	Fil	NA	
2134	MR. MOHAN J HEGADE	55	M	• ···	NA	NA .			02/09/2022	Fit	NA ·	「静し	, MA	1
0934	MR. DASHARATH N BAGAL	48	M		NÁ	NA			02/09/2022	Fit	Nar. A	RVIND	A. MAN	
					g.						MMC F	B.B.S., D.P.H.A EGD. NO.: INDIA-DGFASL	2010/10/31	76
Page 2	of 66			· • •					(A		GOVI. OF	INDIA-DOFAGL	Hoalth Phy	cirian

**Consultant Industrial Health Physician** 

HEALTH REGISTER

#### From: 02/09/2022 To 01/09/2023

#### mpany Name : KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.

SF. NO.	Emp. No.	Name	Ace	Sex	Dept of employement 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 suspention issued to worker	Signature with gate ( certifying surgeon.
	0652	MR. VIRAPPA B BHANSE	56	M	-	NA	NA	1		02/09/2022	Fit	NA	Fit	NA	
	0996	MR. RAKESH D MALI	49	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
	6068	MR. KALPESH K KAPASE	33	M	-	NA	NA		20.04	02/09/2022	Fit	NA	Fit	NA	
	0931	MR. SHAMRAO M MOHITE	-54	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
	7290	MR. BHUSHAN J NARWADE	26	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
	1725	MR. BAPUSO D VANI	48	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
	7230	MR. ADESH A YADAV	24	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
	1687	MR. SHREANSH PATIL	50	M	- r	NA	ŇA			02/09/2022	Fit	NA	Fit	NA	1
	1261	MR. SANDEEP B PATIL	42	M	- 2	NA	NA		10	02/09/2022	Fit	NA	Fit	NA	
	2254	MR. SACHIN P KHOT	27	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
	6012	MR. S M KOIK	29	M	= e: 1	NA	NA			02/09/2022	Fit	NA	Fit	NA	
T	2180	MF. RUTURAJ M INAMDAR	30	M	-	NA	NA			02/09/2022	Fit ·	NA	Fit	NA	
	1569	MF. SUNIL S SHETKE	52	M	-	NA	NA	1	e	02/09/2022	Fit	NA	Fit	NA 1	
	1694	MR. SHREEDHAR PATIL	47	M		NA	NA	1	a.	02/09/2022	Fit	NA	Fit /	) NA	
	1351	MR. AKBAR M MOKASHE	54	М	-	NA	NA	1		02/09/2022	Fit	ŅA	Fit /	NA	
	-1834	MR. DAVAL M SHAIKH	52		• <sup>10</sup> 4	NA	NA	-		02/09/2022	Fit	NA	Fit	NA	
;	2300	MR. VITTHAL D RANDIVE	37	M	-	NA	NA			.02/09/2022	Fit	NA	TPA	- KNA	
5	0968	MR. RAJENDRA D KORADE	53	М	-	NA	NA		-	02/09/2022	Fit	NA	4541	NA)	
7	1894	MR. GANGADHAR AADNANE	47	М	-	NA	NA			02/09/2022	Fit	Por. A	RUND	A. MANI	2015 2021
	1. A.						1					MMC F	B.B.S., D.P.H.A EGD, NO, :	F.I.H. (MUMBA	AI) 16

**Consultant Industrial Health Physician** 

Certifying Surgeon DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

#### HEALTH REGISTER

#### From: 02/09/2022 To 01/09/2023

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH. (Mumbai)

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

		•	Į												
Sr. No.	Emp. No.	Name	Age	Sex	Dept of employement 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 suspention issued to worker Signature with gate	certifying surgeon.
58	0915	MR. POPAT D KAMBLE	57	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
59	7019	MR. BALASO B KOLAJ	36	M	-	NA	NA ·		•	02/09/2022	Fit	NA	Fit	ŇA	
60	7026	MR. ABHIJIT B PATIL	27	M		NA	NA			02/09/2022	Fit	NA	Fit	ŅA	
61	1367	MR. KIRAN I BHARMAL	47	M	• 1 •	NA .	NA '	-		02/09/2022	Fit	NA	Fit	NA	
62	1071	MR. KUBER S GOURAI	54	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	1
63	0994	MR. LAXMAN S LALI	51	M	-	NA	NA	-		02/09/2022	Fit	NA	Fit	NA	
64	0936	MR. SANJAY B JADHAV	55	M		NA	NA		53	02/09/2022	Fit	NA	Fit	NA	
65	1692	MR. MUSTAK A NAYANI	51	M	÷ .	NA	NA			02/09/2022	Fit	NA	- Fit	NA	
66	7001	MR. PRAVIN P PATIL	29	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
67	1823	MR. ARVIND P KAKADE	52	M	, <u>+</u>	NA	NA			02/09/2022	Fit	NA	Fit	NA	
68	1726	MR. SUNIL B AITWADE	43	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
69	- 7531	MR. S M MHETRE	24	M	•	NA	NA			02/09/2022	Fit	NA	Fit	NA	18
70	2247	MR. ANIL D SUTAR	33	M	a sjal	· NA	NA		*	02/09/2022	Fit .	NA	Fit	NA	-
71	6009	MR. PAVANKUMAR B PATIL	31	M	•	NA	NA			02/09/2022	Fit	NA	Fit	A A	
72	1819	MR. SHANKAR S GAWADE	45	M	1	NA	NA			02/09/2022	Fit	NA	Fit		/
73	7542	MR. ANURAGH A PATIL	21	M	h4	NA	NA			02/09/2022	Fit	NA	Fit	INA	ile.
74	-1978	MR. FIROJ M KALAWANT	36	M		NA	NA .	• •	. <sup>2</sup>	02/09/2022	Fit	NA	FIN	CNAL	
75	0951	MR. MAHADEV S PATIL	59	M		NA	NA			02/09/2022	Fit	NA	Fit		
76	7514	MR. SAJID B JAMADAR	27	M		NA	NA			02/09/2022	Fit	N <b>Dr.</b>	ARVIND	A. MANE	
			F					6				MMC	REGD. NO.	8.F.I.H. (MUMBAI)	)
	Page 4 d	) of 66					1			<u> </u>	1	GOVT. O	F INDIA-DGFAS	LI REGD. NO023	388

#### HEALTH REGISTER

From: 02/09/2022 To 01/09/2023

#### pany Name : KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.

			- <b> </b>											
Emp. No.	Name	Age	Sex	Dept of employement 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 suspention issued to worker	Signature with gate - certifying surgeon.
0637	MR. AJIJ G DALWADE	49	M	-	NA	NA	1		02/09/2022	Fit	NA	Fit	NA	
6011	MR. DADASO S KUMBHAR	36	M	- *	NA	NA			02/09/2022	Fit	NA.	Fit	NA	
1665	MR. ABHIJEET S KUMBHAR	42	М	· A	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7005	MR. NITIN N SHINDE	28	М		·NA	NA	1 1	12	02/09/2022	Fit	NA	Fit	NA	
7010	MR. UTTAM K KHOT	32	М	•	NA	NA		5	02/09/2022	Fit	NA	Fit	NA	
1896	MR. SANJAY G KAMBLE	58	М		NA	NA			02/09/2022	Fit	NA	Fit	NA	
1437	MR. SADIK I MUJAWAR	53	М	r	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2208	MR. SWAPANIL V KHOT	29	М	1 -	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1091	MR. BALWANT A PATIL	56	М	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2027	MR. SANJAY P KURALE	36	М		NA	NA			02/09/2022	Fit	NA	Fit	NA	
7023	MR. R R FIRAGANNAVAR	31	М	• Š.	NA	NA	1		02/09/2022	Fit	NA	Fit	NA	
6042	MR. SURAJ D PATIL	30	М	-	NA	NA ·			02/09/2022	Fit	NA	Fit	NA	
7139	MR. AKBAR B FARID	29	М	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1454	MR. ARUN A MALAGE	47	М	-	NA	NA			02/09/2022	Fit	NA	Fit	7 NA/	$\land$
. 0998	MR. KUNTINATH VANDURE	51	м		NA	NA	1		02/09/2022	Fit	NA	Fit.	NA	
2132	MR. RAMESH A BANNE	35	М		NA	NA ·	3		02/09/2022	Fit	NA	Fit	NA	
1832	MR. AMAR B PATIL	45	М		NA	NA			02/09/2022-	Fit	NA	Fit	NA	
1444	MR. PRAKASH M SHENAVI	49	м	• *	NA	NA	. da		02/09/2022	Fit -	NA	-FII C	ANA	
2294	MR. SACHIN A KAMBLE	33	м	- 1	NA	NA	4		02/09/2022	Fit	NØF.	ARVIND	A. MAN	A 41
			I				14. A.	•		a.	MMC	REGD. NOL:	LF.LH. (MUMB 2010/10/31 LI REGD. 1 00	76
Page 5 d	of 66				8 94.17	8				18	Consult	ant Industria	Health Phys	ician

Certifying Surgeon DR.ARVIND MANE MBBS DPH AFIH.(Mumbai)

#### HEALTH REGISTER

#### From: 02/09/2022 To 01/09/2023

#### Certifying Surgeon DR.ARVIND MANE MBBS DPH AFIH.(Mumbai)

## any Name : KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.

Emp. No.	Name	Age	Sex	Dept of employement 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 supportion issued to worker	Signature with gate certifying surgeon.
7040	MR. SULEMAN Y DADIWALE	26	М	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7048	MR. SANTOSH PATIL	32	М	-	NA	NA	-		02/09/2022	Fit	NA	Fit	NA	
1655	MR. VINOD KHOT	42	М		NA	NA			02/09/2022	Fit	NA	Fit	NA	
7509	MR PRASHANT KHATAVKAR	26	М	· · ·	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7498	MR. V D HANCHNALE	24	M	• <u>niej</u> •	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7154	MR. KASHINATH MUDHALE	23	М	•	NA	NA			02/09/2022	Fit	NA	Fit .	NA	
7140	MR. SHIVAJI S MUDHALE	26	М	- )	NA	NA	1		02/09/2022	Fit	NA	Fit	NA	
1018	MR. BAPUSO B DHONGADE	53	М	-	NA	NA	1		02/09/2022	Fit	NA	Fit	NA	
1240	MR. ARUN K PATIL	45	М	- 1	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2170	MR. SURAJ SHIRDHONE	29	М	- 1	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2285	MR. VAIBHAV A MANE	26	м	-	NA	NA	-		02/09/2022	Fit	NA	Fit	NA	
7469	MR. CHANDRAKANT PUJARI	25	M	- 1	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0607	MR. B R KHOT	59	M		NA	NA	-		02/09/2022	Fit	NA	Fit	NA	
7365	MR. PRASAD V BADIGER	26	M	•	NA	NA			02/09/2022	Fit	NA	Fit	/ NA	A
7134	MR. PAVANKUMAR A HEGADE	24	м	- (-	NA	NA	1.1		02/09/2022	Fit	NA	Fit	NA	
7073	MR. TUSHAR PATIL		M	· • λ	NA	NA			02/09/2022	Fit	NA	Fit /	MAX	
7146	MR. AVINASH M VASWADE		M		NA	NA			02/09/2022	Fit	NA	Fit	C NA	2
1652 .	MR. B A MAYAPPANAWAR		M		NA	NA		-	02/09/2022	Fit	NA	Pit	NA	
	MR. RAJENDRA S NIRMALE		M.		NA	NA		1	02/09/2022	Fit	NAD	: ARVIN	DANNA	NE
2187				1							MM	M.B.B.S., D.F C REGD. NO	H.A.F.I.H. (MUN ): 2010/10/3 ASLI REGD. NO	ABAI) 1176

#### HEALTH REGISTER

#### From: 02/09/2022 To 01/09/2023

#### mpany Name : KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.

.0V1 .1G	Emp. No.	Name	Age	Sex	Dept of employement 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 suspention issued to worker	Signature with gate - certifying surgeon.
5	7052	MR. GOVIND M LAWATE	28	M		NA	NA '		đ.	02/09/2022	Fit	NA	Fit	NA	
6	2091	MR. BHARAT R PATIL	\$2	M		NA	NA			02/09/2022	Fit	NA	Fit	• NA	
7	7173	MR. BAJIRAO B PATIL	48	M	-	NA	NA .			02/09/2022	Fit	NA	Fit	NA	
8	7383	MR. MUSTAFA A MUJAWAR	23	M	•	NA	NA			02/09/2022	Fit	NA	Fit	. NA	
9	2217	MR. AVINASH J DONGALE	35	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0	7127	MR. SURAJ S R	30	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1	7403	MR. SOURABH R CHOUGULE	24	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
2	2275	MR. YASHWANT K JADHAV	42	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
3	7487	MR. RUSHIKESH S GAJARE	22	M	•	NA	NA			02/09/2022	Fit	NA	Fit	NA	
4	1228	MR. SHASHIKANT A SHINDE	45	M	- ,	NA	NA			02/09/2022	Fit	NA	Fit	NÁ	
5	1710	MR. SANDEEP N MAGDUM	4	M	• j	NA	NA			02/09/2022	Fit	NA	Fit	NA	
6	2145	MR. ANIL N MAGDUM	30	M	-1	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7	1922	MR. SADASHIV S PATIL	45	M	-	NA	NA			02/09/2022	Fit	NA	· Fit	NA	÷
8	1170	MR. RAVINDRA B PATIL	58	M	-	NA	NA			02/09/2022	Fit	NA	Fit	17 NA /	
9	7131	MR. SUJIT S RANGOLI	.34	M	- 1	NA	NA			02/09/2022	Fit	NA	Fit (	NA	1
0	0426	MR. ANIL B DESHPANDE	54	M	-	NA	NA i			02/09/2022	Fit	NA	Fit	NA	
1	1944	MR. AJIT'S MANE	4	M	· · · ·	NA	NA .			02/09/2022	Fit	NA	Fit .	[ NA	
2	7172	MR. NANDKUMAR KAMBLE	46	M	- · ·	NA	NA			02/09/2022	Fit	NA	FirC	ANA	)
3	7135	MR. SHAMRAO V DAVAR	53	M		NA	NA	1		.02/09/2022	Fit	NDr.	ARVIND	A. MAN	E
			T					3				MMC	I.B.B.S., D.P.A. REGD. NO. :	A.F.I.H. (MUMB 2010/10/317 I REG 3. NO0	AI) 76

**Consultant Industrial Health Physician** 

Certifying Surgeon DR.ARVIND MANE MBBS DPH AFIH (Mumbai)

#### HEALTH REGISTER

#### From: 02/09/2022 To 01/09/2023

#### Certifying Surgeon DR.ARVIND MANE MBBS DPH AFIH.(Mumbai)

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

Ve

		<u></u>													
Sr. No.	Emp. No.	Name	Age	Sex	Dept of employement 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 suspention issued to worker	Signature with gate - certifying surgeon.
134	7147	MR. NITIN S MITHARI	40	M	2.4 (m) 2.5 (m)	NA	NA			02/09/2022	Fit	NA	Fit	NA	
135	1790	MR. BAHUBALI M KESTE	12	M	-	NA	NA 💱			02/09/2022	Fit	NA	Fit	NA	- 15
136	0359	MR. SHRIKANT'S KHOT	54	M	n <mark>e</mark> ste	NA	NA			02/09/2022	Fit	NA	Fit	ŇA	
137	0609	MR. MARUTI M JADHAV	48	M	•	NA	NA b		at a	02/09/2022	Fit	NA	Fit	ŇA	8
138	2080	MR. SATISH B DANAGAR	84	.M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
139	0463	MR. DEVGONDA B MAGDUM	53	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
140	2292	MR. PRAKASH R KARADE	45	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
141	0643	MR. SANJAY T BHOSALE	53	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
142	1841	MR. M B SURYAWANSHI	8	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
143	7144	MR. PRAKASH N KAMBLE	\$2	M	2	NA	NA			02/09/2022	Fit .	NA	Fit	ŇA	
144	7136	MR. ANIL S KAMBLE	55	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
145	1533	MR. NABILAL B MUJAWAR	39	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
146	1800	MR. J B MADBHAVE	19	M		NA	NA !!	u.		02/09/2022	Fit	NA	Fit	NA	
147	1458	MR. SANJAY A MURABATTE	\$4	M	•	NA	NA			02/09/2022	Fit	NA	Fit	/7 NA /	
148	0656	MR. BHIMRAO D KHOT	49	M	-	NA	NA			02/09/2022	Fit	NA	Fit	/ NA	/
149	1387	MR. RAJKUMAR S MAGDUM	\$4	M		NA	NA			02/09/2022	Fit	NA	Fit	L MA	
150	1600	MR. MAHAVIR T PATIL	59	M		NA	NA .			02/09/2022	Fit	NA	Fit	NA	
151	1718	MR. SANJAY A CHAVARE	45	M	· •	NA	NA			02/09/2022	Fit	NA	Grin (	NA	
152	0052	MR. VISHWAS L PATIL	56	M		NA	NA .			02/09/2022	Fit	NØr. i	ARVIND	A. NAN	
. 19 	0.								41			MMC	REGD. NO.	.F.I.H. (MUMB) 2010/10/31	6
. 8	Page 8 c	ıf 66				, · ·				- - -		GOVT. OF Consulta	INDIA-DGFAS	LI REGD. NO0 I Health Phys	ician "

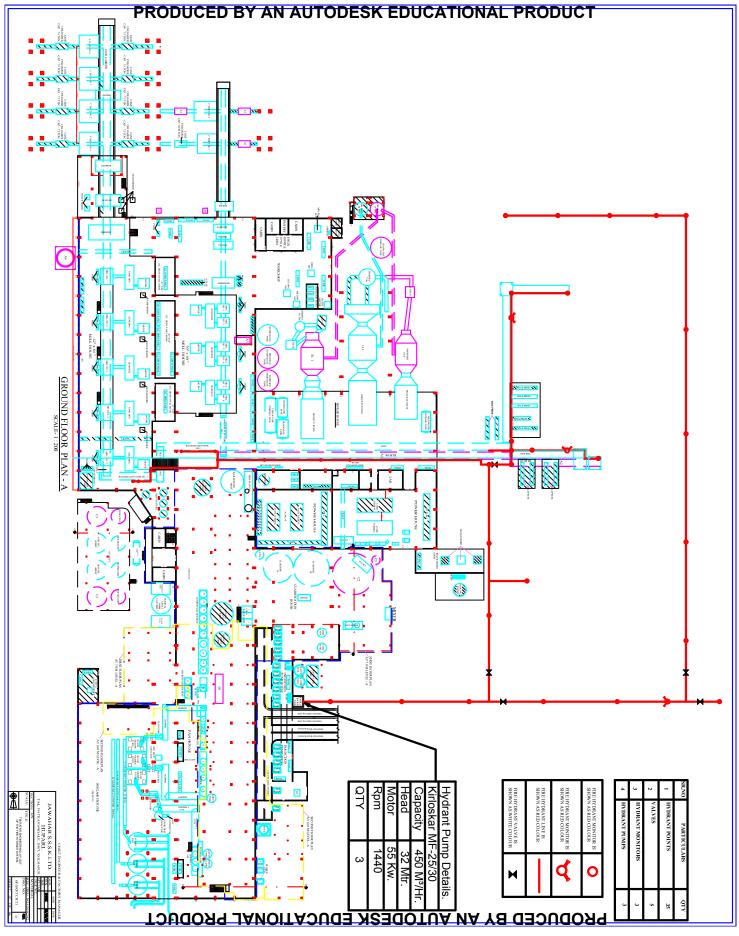
# Annexure – IV Photographs of Firefighting & Mock drill



### Photographs of firefighting arrangements

### Photographs of Mock Drills





PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

Annexure – V Photographs of vermi-composting Photographs of Vermicomposting



# Annexure – VI Photographs of Greenbelt & List of plants











## कल्लाप्पाण्णा आवाडे जवाहर शेतकरी सहकारी साखर कारखाना लि.,

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

फोन (०२३०) २४५०४०२, ई - मेल : kprjsssk@gmail.com वेबसाईट : www.jawaharsugar.com

### कारखाना कार्यस्थळांवर असलेल्या विविध झाडांची माहिती

सन २०२३

अ.नं.	तपशील	संख्या
अ)	फळझाडे	
٩	नारळ	ξοҘ
ર	आंबा	340
ş	चिक्कू	94६
	एकूण -	9909
ब)	जंगली झाडे	
٩	रेनट्री	3000
२	कॅशिया	9042
ş	चिंच	50
8	कदंब	90
4	सुबाभूळ	630
દ્વ	बदाम	४६
9	सप्तपर्णी	32
٢	चंदन	89
8	सागवान	98
90	सुरू	9000
99	निंब व इतर	3096
٩२	ट्यूबोबीया	92
٩३	पळस	98
98	गोरमचिंच 💠	442
94	सिल्वर ओक	2000
9६	स्पॅथोडीया	३६
90	वड	60
96	पिंपळ	924
98	निलमोहर	83
20	बहावा	980
29	गुलमोहर	808
રર	कांचन	933
23	निलगीरी	3930
28	उंबर	६२
રપ	फणस	94
રદ્	बेल	4
20	ऑस्ट्रेलियन साग	300

		108/2023
अ.नं.	तपशील	संख्या
२८	गूळभेंडी	400
56	करंज	२२३९
30	जांभूळ	900
39	प्लेटोफोरम	२५०
३२	बांबू	३०६३४
33	काटेसावर	320
	एकूण	ૡ૱૱૱
क)	शोभीवंत झाडे	
9	बॉटल पाम	90
2	अशोक	603
3	मोरपंखी	90
8	फायकस	62
ч	बोगनवेली	9880
દ્વ	एक्झोरा	29
6	चाफा	43
۷	आरेकापाम	୪३୨६
	एकूण -	ୡଡ଼୳୳
ड)	फूलझाडे	
9	गुलाब	200
ર	इतर फुलझाडे	୪७२६
3	शोभीवंत कुंड्या	३०६
8	कणेरी	୧६७୦
4	शंकासूर	380
	एकूण -	୵ଽ୪ଽ
	समरी	
अ	फळझाडे	9908
ब	जंगली झाडे	43293
क	शोभीवंत झाडे	ୡଡ଼୳୳
ड	फूलझाडे	୵ଽ୪ଽ
	एकूण -	ୡୢୢୢୢୡୄ୵ଡ଼ୢୢ

|मुख्य शती अधिकारी

दि. १०/०४/२०२३

## KALLAPPANNA AWADE JAWAHAR S S S KARKHANA LTD;

Hupari -Yalgud, Tal-Hatkanangale, Dist- Kolhapur.(Maharastra)

Date - 10/04/2023

### Karkhana site Tree Plantation Details

Sr.No	Particulars	Nos of Tree
Α	Fruit Plant	
1. –	Coconut	603
2.	Mango	350
3.	Chikku	156
	Total	1109
В	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	12
14.	Gorham Chinch	558
15.	Silver Oak	
16.	Spathodia	2000
17.	Wad	
18.	Pimpal	70
19.	Nile Mohar	125
20.	Bahawa	42
21.	Gulmohar	140
22.	Kanchan	409
23.	Nilgiri	133
24.	Umber	3930
25.	Phanas	62
26.	Bel	15
27.	Australian babul	05
30.	Gul bhendi	300
31.	Karanj	507
32.	Jambhul	2239
33.	Paletoforum	100
34.	Bambu	250
35	Katesawar	30634
		320
	Total	53213

### KALLAPPANNA AWADE JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD.,

Hupari -Yalgud, Tal-Hatkanangale, Dist- Kolhapur.(Maharastra)

Sr. No	Survey No.	Place	Area (Acres)
1	1258	Harvesting workers staying yard	22.36
2	315/8,9	Colony area	10.00
3	315/11	Caneyard west side area	4.30
4	315/9,10	Office backside Mango & Rose plantation area	3.00
5	315/10	Stage side area	3.11
6	315/9,925/9	Main Road both sides area	3.13
7	315/14	New Ash Yard	1.13
8	315/14	Hamaal Shed (Eucalyptus tree plantation)	4.26
9	315/14	Hamaal Shed (Forest Trees)	5.16
10	315/11	Karkhana Main Gate area	0.03
11	315/14	Switch Yard/Bullock Cart yard Area	0.22
12	315/11	Behind Godown No. 13 Area	3.10
13	315/7	Petrol Pump Area	0.05
14	315/8	Bamboo in Compost yard	4.25
15	315/7,8,9	Bene Plot	13.30
16	925/9	Flower Bed	0.11
17	315/9	Guest House, Board Room Area	0.12
18	925/9	Karanj, Chikoo, Mango plantation area	4.02
19	925/9	Near Mhasoba Temple Area	7.00
20	925/9,315/9	Rajrajeshwari Temple to Bene plot roadside plantation (Coconut, Ashok trees)	2.51
21	925/9	Canal side Coconut, Ashok tree	1.08
22	925/9, 315/9	Karkhana outside Gate Cross Bed Area	0.08
23	925/9	Rajrajeshwari Temple Area	2.10
24	925/9	Caneyard to Rajrajeshwari Temple Roadside plantation	1.22
25	925/9	Tractor Yard area	3.06
		Total	98.7

### AREAWISE TREE PLANTATION INFORMATION

.

Sr.No	Particulars	Nos of Plant
С	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

A Fruit Tree	1109
B Forest Tree	53213
C Decorative Tree	6715
D Flower Tree	8242

Chief Agri. Officer

--2--

## Annexure – VII

# Photographs of CER & CSR





















कुर्संदवाड : जवाहर काःखान्यामार्फत 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 जस उत्पादक सभासदाना निधीतून वैद्यकीय अर्थसहाय्य योजनेतर्गत हदय 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 छजारांचा धनादेश देण्यात आला. यावेळी जवाहरचे संचालक सुकुमार किनिंगे, ओव्हरसियर असलम तांबोळी, शेती मदतनीस किरण कोले. राजू खोत, मारुती परीट, विजय काणे व ऊस इत्पादक शेतकरी उपस्थित होते.



### भोज येथे जवाहर कारखाव्याच्या वतीने वैद्यकीय उपचारासाठी आर्थिक मदतीचा धनादेश वितरण

येथील जवाहर शेतकरी साखर कारखान्याच्यावतीने भोज येथील ऊस उत्पादक सभासद धन्याकुमार भिम चौगले(पांगरे)याना हृदय विकाराच्या उपचारासाठी 50 हजार रुपयेचा धनादेश कारखान्याचे संचालक शीतल अमन्नावर व समेरू पाटील यांच्या हस्ते भोज सर्कल ऑफिसमध्ये वितरण करण्यात आला. कारखान्याकडे नियमित ऊस परवठा करणाऱ्या ऊस उत्पादक सभासदकरिता कारखाऱ्याच्या स्वनिधीतून वैद्यकीय अर्थ सहाय्य योजनेअंतर्गत हृदय

कारदगा (हिंदसम्राट प्रतिनिधी रंगराव बन्ने यांजकडन):-हपरी विकार, कॅसर, मन्नपिंड, मोतीबिंद, काचबिंद, उपचारासाठी कारखान्याचे संस्थापक चेअरमन कल्लाप्पांण्णा आवाडे,आमदार प्रकाश आवाडे यांनी योजना सक्त केली.याच योजनेतन भोज येथील धन्याकुमार चौगुले याना हृदय विकार उपचारासाठी हा 50 हजार रुपयेचा घनादेश सुपूर्व केला. यावेळी सिनियर अग्रीहौशर अनिल चौगुले,विश्वनाथ हिरेमठ,आप्पा दुर्गे,सर्कल अधिकारी वर्धमान ईसराणा,बाळासो मालबा,सुनील हिरीकुडे,अजित मगदुम,अमोल पाटील, अनिल झलपे आदी उपस्थित होते.

# जवाहर कारखाव्याकडून वैद्यकीय अर्थसहाय्य वितरण

कारदगा (हिंदूसम्राट प्रतिनिधी रंगराव बन्ने यांजकडून):-जवाहर शेतकरी साखर कारखान्याच्या मार्फत संस्थापक चेअरमन कल्लाप्पाण्णा आवाडे व आमदार प्रकाश आवाडे यांच्या मार्गदर्शनानुसार शिरगाव येथील ऊस उत्पादक सभासद कैलक्ष्मण सिद्धाप्पा खिलारे यांचे वारसदार मुताप्पा लक्ष्मण खिलारे याना वैद्यकीय अर्थसहाय्य योजनेतून 50 हजार रूपयेचे अर्थसहाव्य धनादेश भोज सर्कल ऑफिसमध्ये संचालक समेरू पाटील व शीतल अमण्णावर यांच्या हस्ते संपर्द करण्यात आला.

जवाहर कारखान्यास नियमित ऊस प्रवठा करणाऱ्या ऊस उत्पादक सभासदकरिता चेअरमन कल्लाप्पाण्णा आवाडे यांनी कारखान्याच्या स्वनिधीतन



वैद्यकीय अर्थसहारय योजनेतन यांच्याकडे 50 हजाराचा धनादेश सपर्द हदय विकार, कॅन्सर, मूर्जापेंड, मोती बिंदू करण्यात आला.यावेळी ऍग्रिहोवशीयर वर्धमान ,काचबिंद उपचारासाठी आर्थिक मदत देण्याची इसराणा,बाळासो मालबा,अजित मगदम, योजना सरू वेली आहे. त्याप्रमाणे शिरगाव सनील हिरीवुछे, अमोल पाटील, गजानन मठपती, येथील ऊस उत्पादक लक्ष्मण खिलारे याना वृषभ अक्कोळे, भरत भागाजे, बाबासो माणगावे, कॅसर आजारावर उपचार सरू असता त्यांचा विलास टायशेट्टी,संतोष पलसकर,संजय मृत्य झाला.त्यामुळे त्यांना आर्थिक सहाय्य हसूरे, सिदनाळे,सूरेश पोवाडे आदी म्हणून त्यांचे वारसदार मृताप्पा खिलारे उपस्थित होते.

# जवाहर सारवर कारखान्यातर्फे वैद्यकिय अर्थसहाय्यक

अकिवाट/प्रतिनिधी-जवाहर शेतकरी सहकारी साखर कारखान्याच्या वैद्यकिय अर्थ सहाय्यता योजनेतंर्गत अकिवाट येथील नियमित ऊस पुरवठा सभासद राजगोंडा जयपाल पाटील यांना डोळ्याच्या मोतीबिंद उपचारासाठी ३ हजार रूपये व तमण्णा श्रीमंत चौगुले यांना हृदयविकाराच्या उपचारासाठी ५० हजाराचा धनादेश संचालक संजयकमार कोथही व बाबासो होसकल्ले यांच्याहस्ते प्रदान करण्यात आला.



सभासदांच्या चेहऱ्यावर हास्य उमटले. ही योजना संस्थापक कल्लाप्पाण्णा आवाडे यांच्या संकल्पनेतून चेअरमन प्रकाश आवाडे यांच्या प्रेरणेतून कारखान्यास धनादेश स्विकारल्यानंतर नियमित ऊस पुरवठा करणाऱ्या सभासदांना या योजनेचा लाभ घेता येतो असे संचालक कोथळी यावेळी म्हणाले. यावेळी वरीष्ठ विभागीय शेती अधिकारी अजित चौगले. लिपिक सुनिल दिवटे यांच्यासह कर्मचारी उपस्थित होतें.













# Annexure – VII Rain Water Harvesting







Annexure – VIII Photographs of Asphalted Road Photographs of Asphalted Roads





### Photographs of Asphalted Roads





# Annexure – IX Photographs of OCEMS (Stack & ETP)

### Online Monitoring System

### Boiler Ash Handling System

### OCMS for Sugar Factory ETP

OCMS (Sensor)





### ESP for 20 & 90 TPH Boiler Capacity



### ESP for 75 TPH Boiler Capacity

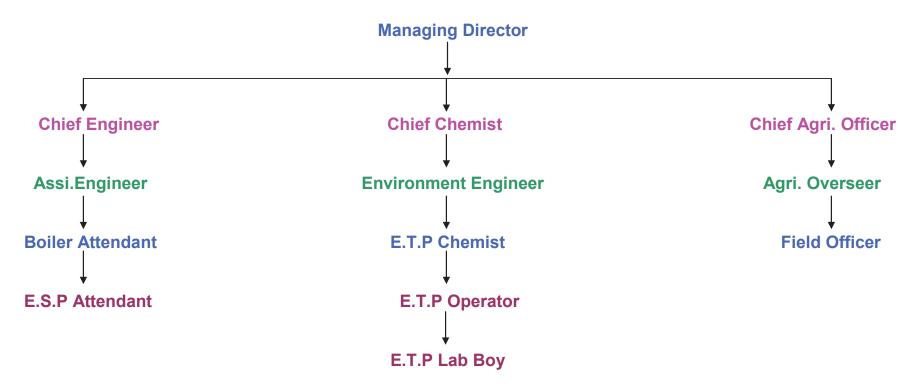


## Annexure – X Environment Management Cell (EMC)

### Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari

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

### **Environmental Management Cell**



Annexure – XI Monitoring Report (AAQM) (NOISE) (ETP & STP)



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666

Engineers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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 R	EPORT				
Test Report No: -	GESEC/PRO/AAQM/2022-23	/11/785	Report Date	30/11/2022	/2022	
Sample ID: -	GESEC/PRO/AAQM/2022-23/11/785		Report Date	30/11/2022		
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana	wahar Shetkari ngale, Dist: Kol	Sahakari Sakhar I hapur (Maharash	Karkhana Ltd., tra)		
	Ambient Air S	ample Details				
Туре	Samplin	g Location		Sampling	done by	
Ambient Air	Near N	/lain Gate		GESI	EC	
	Sampli	ng Time				
Start Time	Sto	p Time		Total	Hrs.	
02:00 P.M.	03:00 P.M.			60 Min		
	Metrological Data/Env	ironmental Co	nditions			
Ambient Temperature °C	30.0	Wet Bulb Temperature °C		21.0		
Dry Bulb Temperature °C	30.0	Relative Humidity % RH		44.4		
Date of Sampling	Sample Receipt Date	Sample Receipt Date Analysis Start Date		Analysis End Da		
24/11/2022	25/11/2022	26/1	1/2022	30/11/2022		
Name of Instrument	High Volume Sampler	Date Of	Calibration	19/10/	2022	
Calibration Certificate No.	SSEC/FF/1528	Due Date	of Calibration	18/10/	2023	
Parameters	Method		Unit	NAAQ Standards	Result	
Particulate Matter (PM10)	IS:5182 (PART 4):	2019	µg/cum	100.00	61.33	
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24)		μg/cum	60.00	18.25	
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):	2017	μg/cum	80.00	17.74	
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2018		μg/cum	80.00	21.40	



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

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.

A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666

Engineers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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

GREENENLINOSA

10

Consultant PV

Engineers

	TEST R	EPORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23	/11/786	Report Date	30/11/2022	
Sample ID: -	GESEC/PRO/AAQM/2022-23	ESEC/PRO/AAQM/2022-23/11/786		30/11/2022	
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	ample Details			
Туре	Samplin	g Location		Sampling	done by
Ambient Air	Nea	ar ETP		GESI	EC
	Samplir	ng Time			
Start Time	Stop	Time		Total	Hrs.
02:10 P.M.	03:1	0 P.M.		60 Min	
	Metrological Data/Env	ironmental Co	onditions		
Ambient Temperature °C	30.0	Wet Bulb Temperature °C		21.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH		44.4	
Date of Sampling	Sample Receipt Date	Analys	is Start Date	Date Analysis End	
24/11/2022	25/11/2022	26/	11/2022	30/11/2022	
Name of Instrument	Respirable Dust Sampler	able Dust Sampler Date Of Calibration		19/10/	2022
Calibration Certificate No.	SSEC/FF/1525	Due Date	of Calibration	18/10/	and the contract of the second s
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	2019	μg/cum	100.00	59.36
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):		µg/cum	60.00	17.01
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	2017	μg/cum	80.00	14.87
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2	2018	μg/cum	80.00	19.09

/ PCI – I, New Delhi, the 18th November 2009.

Hande

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

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, GREEN ENVIROSAFE Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 Engineers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

> 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 R	EDORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23/			2014 Marcal	
Sample ID: -	GESEC/PRO/AAQM/2022-23/11/787		Report Date	30/11/2022	
Sample ID: -	GESEC/PRO/AAQIVI/2022-25/	11/707			
Name & Address of the	M/s. Kallappanna Awade Jaw				
Customer	Hupari-Yalgud, Tal: Hatkana	ngale, Dist: Kolha	apur (Maharash	tra)	
	Ambient Air S	ample Details			
Туре		g Location		Sampling	done by
Ambient Air		ane Yard		GES	
Ambient An	Samplin	ere men internation		013	
Start Time		Time		Total	Hrs.
02:25 P.M.		5 P.M.		60 N	
02.25 F.IVI.	Metrological Data/Env		itions		
Ambient Temperature <sup>oC</sup>	29.0	Wet Bulb Temperature <sup>oC</sup>		19	
Dry Bulb Temperature <sup>oC</sup>	29.0	Relative Humidity % RH		48.7	
Date of Sampling	Sample Receipt Date	Analysis S	tart Date	Analysis E	nd Date
24/11/2022	25/11/2022	26/11/		30/11/2022	
2-1/22/2022					
Name Of Instrument	High Volume Combined Sampler	Date Of Calibration		19/10/2022	
Calibration Certificate No.	SSEC/FF/1526	Due Date of	Calibration	18/10/	2023
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	019	µg/cum	100.00	63.86
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):	2019	μg/cum	60.00	20.76
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	017	μg/cum	80.00	18.04
Oxides of Nitrogen(NOx)	IS:5182 (PART 6):2	018	μg/cum	80.00	23.59

GREEN ENLINOSAF Engineers d Consultant PM

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

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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 RÉPORT		Benert			
Test Report No	GESEC/PRO/ST/2022-23/11/7	Report Date	3	80/11/2022		
Sample ID -	GESEC/PRO/ST/2022-23/11/788					
					1+d	
Name & Address of the Customer	M/s. Kallappanna Awade Jaw Hupari-Yalgud, Tal: Hatkanan	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
	Sample Deta					
Sample collection Date	Sample receipt Date	Analysis start	Date		sis complete Date	
24/11/2022	25/11/2022	26/11/202	22		30/11/2022	
24/11/2022	Instrument De	tails				
	Stack Monitoring Kit	Date Of Calib	ration	17/10/2022		
Name Of Instrument		Due Date of Ca	Due Date of Calibration		16/10/2023	
Calibration Certificate No.	SEC/TH/57					
	Stack Detai			6.0	mpling done by	
Stack No/ID		Stack Attached to		GESEC		
01	Stack 1 (S	0+20 TPH)	10			
Shape	Round	Fuel Use	ed	Bagasse 5.00		
Diameter/ Dimensions ( m)	4.73	Pressur	e	5.00		
Height (m)		75			0.47	
Temperature ( <sup>o</sup> C)	125	Velocity (		8.47		
Gas Volume (Nm <sup>3</sup> /Hr)		401649.	21			
				nit	Result	
Parameters	Method	Unit		50	42.36	
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm <sup>3</sup>	1.	50	18.45	
Sulphur Dioxide (SO <sub>2</sub> )		mg/Nm <sup>3</sup>		-		
and the second second second	IS 11255 (Part 2) 2019	Kg/day	g/day		177.85	

- Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/
- Maharashtra Pollution Control Board (MPCB) Limits: SO2: As per consent. S

HI ENVIROS P Ltd. The Consulta Put

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

\*\*\*END OF REPORT\*\*\*

- 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. 1. 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.
- 2. 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. 3.
- 4.
- 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
- 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



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		<u> </u>	-	
Test Report No	GESEC/PRO/ST/2022-23/11/7	89	Report Date	30	/11/2022
Sample ID -	GESEC/PRO/ST/2022-23/11/7	89			
•					
Name & Address of the Customer	M/s. Kallappanna Awade Jaw Hupari-Yalgud, Tal: Hatkanan	ahar Shetkari Sah gale, Dist: Kolhap	akari Sakhar ur (Maharas	Karkhana htra)	Ltd.,
	Sample Detai				lata Date
Sample collection Date	Sample receipt Date	Analysis star	t Date		s complete Date
24/11/2022	25/11/2022	26/11/20	)22	30	0/11/2022
24/11/2022	Instrument Det	ails			
	Stack Monitoring Kit	Date Of Cali	bration	17/10/2022	
Name Of Instrument Calibration Certificate No.	SEC/TH/57	Due Date of Calibration		16/10/2023	
Calibration Certificate rise	Stack Detail	s			
		tached to		Sam	pling done by
Stack No/ID		(75 TPH)		GESEC	
01		Fuel Us	bo	Bagasse	
Shape	Round	Pressu		4.00	
Diameter/ Dimensions ( m)	2.5		lie		
Height (m)		72	( ()		7.53
Temperature ( <sup>o</sup> C)	120	Velocity			7.50
Gas Volume (Nm <sup>3</sup> /Hr)		100993.	84		
	1		11	mit	Result
Parameters	Method	Unit		50	39.86
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm <sup>3</sup>			17.41
Sulphur Dioxide (SO <sub>2</sub> )		mg/Nm <sup>3</sup>		-	
Suprice Distance (Seat	IS 11255 (Part 2) 2019	Kg/day		- 42.20	

- Remarks-
  - Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/<sup>NM3</sup>. 8
  - Maharashtra Pollution Control Board (MPCB) Limits: SO2: As per consent. >

PUNE PUNE Enginee P. \*\*\*\*END OF REPORT

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

- 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. 1. 2.
- 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. 3.
- 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 4
- 5.
- or legal requirement. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



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 REPO			
Test Report No: -	GESEC/PRO/ANLM/2022-23		Report Date	30/11/2022
Sample ID: -	GESEC/PRO/ANLM/2022-23/11/790			
Sample 10.			to the Kerkhana l	td
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkan			
	Ambient Noise S	ample Details		
Туре	Ambient Noise			
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
		Analysis	Start Date	Analysis End Date
Date of Sampling	Sample Receipt Date	Analysis Start Date 26/11/2022		30/11/2022
24/11/2022	25/11/2022	26/1.		
		Data Of (	Calibration	17/10/2022
Name Of Instrument	Digital Sound Level Meter	Date Of Calibration Due Date of Calibration		16/10/2023
Calibration Certificate No.	SSEC/ME/266	Due Date d	Calibration	
	Unit	Average Noise	e Level Readings	CPCB Standards dB(A)
Test Location	Onic	Day (04:00 P.M.)	Night (10:30 P.M.)	
	dB(A)	60.3	57.1	- I Building
Near Main Gate	dB(A)	68.7	62.4	During Day time 75 dB (A)
Near ETP	dB(A)	67.4	62.3	During Night time
Near Bagasse Section	dB(A)	65.9	61.8	70 dB(A)
Near Sugar Godown		66.2	63.0	
Near Cane Yard	dB(A)	00.2		

Remark

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

ENVIROS GEEN Engineers PUNE m 0 & Consultant P

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

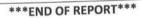
\*\*\*END OF REPORT

- The report is refer only to the sample tested and not applies to the bulk. 1.
- 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. 2.
- 3.
- 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 4.
- 5.



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 R				
Test Report No: -	GESEC/PRO/WNLM/20	22-23/11/791	Report Date	30/11/2022	
Sample ID: -	GESEC/PRO/WNLM/20	22-23/11/791	A		
Sample 10.					
Name & Address of the Customer	M/s. Kallappanna Awa Hupari-Yalgud, Tal: Ha	a Ltd.,			
	Work Zone No	oise Sample Details			
Truce					
Type Sampling done by	Work Zone Noise GESEC				
Standard method	As Per IS: 9989:2020				
Standard method				Analysis End Date	
Date of Sampling	Date of Sampling Sample Receipt Date		Analysis Start Date		
24/11/2022	25/11/2022	26/13	26/11/2022		
			a libertian	07/10/2022	
Name of Instrument	Sound Level Mete	enter constraint	Date of Calibration		
Calibration Certificate No.	SSEC/ME/259	Due Date	Due Date of Calibration		
Cumpretter		Average Noise	e Level Readings	The Factories Ac	
Test Location	Unit	Day (04:40 P.M.)	Night (11:30 P.M.)	1948, standards	
	dB(A)	83.1	80.4		
Centrifugal Section	dB(A)	88.6	84.5		
Turbine Section	dB(A)	85.0	82.2	≤ 90	
Boiler Section	dB(A)	87.3	82.7		
Mill Section	dB(A)	86.4	83.0		
Pan Section					
Remark- > The Factories Act, 1948, has	proscribed 90 dB (A) as an	upper limit of noise leve	l for 8 hours exposure.		
The Factories Act, 1948, has	Eastorios Act 1948 Standard	ds.			
<ul> <li>All above results are within</li> </ul>	Paciones Act 1940 Standar	14 S			



Engine

PUNE

& Consultant

#### Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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 4.
- 5.
- or legal requirement. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.

Mr. Vinod Hande (Technical Manager)

**Reviewed & Authorized By** 



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

TE	ST REPORT			
Test Report No: GESEC/PRO/WW/2022-23/11/792	Report Date		30/11/2022	
Sample ID : GESEC/PRO/WW/2022-23/11/792	Sample De	etails	ETP Inlet	
Name & Address of the Customer:	Type of Sa	mple	Waste Water	
	Volume O	f Sample	1 Lit plastic bottle	
M/s. Kallappanna Awade Jawahar Shetkari Sahakari	Sample St	atus	Sealed	
Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur	Sample Co	ollected By	GESEC	
(Maharashtra)	Date of Sa Collection		24/11/2022	
	Sample Re	eceipt Date	25/11/2022 26/11/2022	
	Analysis st	tart Date		
	Analysis End Date			
	Analysis E	nd Date	30/11/2022	
Parameters	Analysis E Results	nd Date Unit	30/11/2022 Standard Method	
Parameters				
	Results	Unit	Standard Method	
рН	Results 3.00	Unit	Standard Method APHA 4500 H+,B 23rd Edition.2017	
pH Suspended Solids (SS)	Results           3.00           141.79	Unit  mg/lit	Standard Method APHA 4500 H+,B 23rd Edition.2017 APHA 2540 D 23 <sup>rd</sup> ED:2017	
pH Suspended Solids (SS) Total Dissolved Solids (TDS)	Results           3.00           141.79           3251.42	Unit  mg/lit mg/lit	<b>Standard Method</b> APHA 4500 H+,B 23rd Edition.2017 APHA 2540 D 23 <sup>rd</sup> ED:2017 APHA 2540,C,23rd Edition, 2017	
pH Suspended Solids (SS) Total Dissolved Solids (TDS) Chemical Oxygen Demand (COD)	Results           3.00           141.79           3251.42           3012.98	Unit  mg/lit mg/lit mg/lit	Standard Method           APHA 4500 H+,B 23rd Edition.2017           APHA 2540 D 23 <sup>rd</sup> ED:2017           APHA 2540,C,23rd Edition, 2017           IS 3025 (Part 58) , 2019	
pH Suspended Solids (SS) Total Dissolved Solids (TDS) Chemical Oxygen Demand (COD) Biochemical Oxygen Demand (BOD)	Results           3.00           141.79           3251.42           3012.98           1497.20	Unit  mg/lit mg/lit mg/lit mg/lit	Standard Method           APHA 4500 H+,B 23rd Edition.2017           APHA 2540 D 23 <sup>rd</sup> ED:2017           APHA 2540,C,23rd Edition, 2017           IS 3025 (Part 58) , 2019           IS 3025 (Part 44), 2019	

EEN ENVIRO 0 in Engineers PFE PUNE Pd; \*\*\*END OF REPORT

lande

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

- 1. 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 conse
  - 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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

		20/11/2022
Test Report No: GESEC/PRO/WW/2022-23/11/793	Report Date	30/11/2022
Sample ID : GESEC/PRO/WW/2022-23/11/793	Sample Details	ETP Outlet
	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
Name & Address of the Customer:	Sample Collected By	GESEC
M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,	Date of Sample Collection	24/11/2022
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur	Sample Receipt Date	25/11/2022
(Maharashtra)	Analysis start Date	26/11/2022
	Analysis End Date	30/11/2022

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.25	6.5-8.5		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	18.62	100	mg/lit	APHA 2540 D 23rd ED:2017
Total Dissolved Solids (TDS)	1137.91	2100	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	65.20	250	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	23.47	100	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	164.01	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO4	124.99	1000	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 39), 2019

Remark:

> BDL - Below Detectable Limit.

All parameters are within the MPCB limit. 2

PUNE PUNE PUNE PUNE

Jande

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

\*\*\*END OF REPORT\*\*\*

- The report is refer only to the sample tested and not applies to the bulk. 1
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
  - 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. 4.
- 5. 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 ineers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

**GREEN ENVIROSAFE** 

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 I	REPORT			
Test Report No: -	GESEC/PRO/WZM/2022-23/	/11/794			
Sample ID: -	GESEC/PRO/WZM/2022-23/11/794		Report Date	30/11/20	22
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana				
	WORKZONE AIR QUALIT	Y MONITORING	G RESULTS		
Туре	Samplir	ng Location		Sampling	g done by
Ambient Air		Section			SEC
		ng Time		01	
Start Time		p Time		Total Hrs.	
02:35 P.M.		35 P.M.			Min
	Metrological Data/Env	vironmental Co	nditions	00	
Ambient Temperature °C	32		emperature <sup>oC</sup>	23	
Dry Bulb Temperature °C	32		umidity % RH		
Date of Sampling	Sample Receipt Date	Analysis	Start Date	Analusia	End Date
24/11/2022	25/11/2022		1/2022		End Date /2022
Name of Instrument	Handy Sampler	Date of	Calibration	19/10	/2022
Calibration Certificate No.	SSEC/FF/1517		of Calibration	18/10	and the second se
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2	2019	mg/m <sup>3</sup>	10	0.346
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2		mg/m <sup>3</sup>	5	0.008
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2		mg/m <sup>3</sup>	6	0.012

Note:

NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B - 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.

ENVIROSA GREEN PUNE Put

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

\*\*\*END OF REPORT Is & Consu

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 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. 5.
- 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. 6.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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/WZM/2022-23/	11/795			
Sample ID: -	GESEC/PRO/WZM/2022-23/11/795		Report Date	30/11/202	.2
			-		
Name & Address of the	M/s. Kallappanna Awade Jay	wahar Shetkai	ri Sahakari Sakhar K	arkhana Ltd.,	
Customer	Hupari-Yalgud, Tal: Hatkana	ngale, Dist: Ko	olhapur (Maharash	tra)	
	WORKZONE AIR QUALIT	Y MONITORI	NG RESULTS		
Туре	Samplin	g Location		Sampling w	as done by
Ambient Air	Suga	r House		GES	
	Sampli	ng Time			2255-210 
Start Time	Sto	Time		Total	Hrs.
02:45 P.M.	03:4	5 P.M.		60 Min	
	Metrological Data/En	/ironmental C	onditions		
Ambient Temperature °C	32		Temperature <sup>oC</sup>	23	3
Dry Bulb Temperature °C	32	Relative Humidity % RH		<b>y % RH</b> 46	
Data de					
Date of Sampling	Sample Receipt Date		Analysis Start Date Analysis End		nd Date
24/11/2022	25/11/2022	26/	11/2022	30/11/2022	
4	Alling and Physics Descriptions				
Name Of Instrument	Personal Sampler		f Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1519	Due Date	of Calibration	18/10/	2023
Parameters	Method		Unit	NAAQ Standards	Result
articulate Matter (PM)	IS:5182 (PART 4):2	019	mg/m <sup>3</sup>	10	0.362
ulphur Dioxide (SO2)	IS:5182 (PART 2):2	017	mg/m <sup>3</sup>	5	0.007
xides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2	018	mg/m <sup>3</sup>	6	0.011

NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18<sup>th</sup> November 2009.

\*\*\*END OF REPORT\* eers & Const

GREEN

ENVIROSAS

PUNE

Ltd

Put.

**Terms and conditions** 

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. 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 reuse (2) days after completion of control of the second seco
- 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 suctomer and set result to third particulate the bird partic
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

Mr. Vinod Hande

(Technical Manager) Reviewed & Authorized By



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed. Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666

s & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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 R	EPORT	2015, ISO 45001 : 2018	*********************************	*****************	
Test Report No: -	GESEC/PRO/AAQM/2022-23		and control of	co de traverse a re		
Sample ID: -	GESEC/PRO/AAQM/2022-23		Report Date	03/01/2023		
Sample ID: -	GESEC/PRO/AAQWI/2022-25	/12/1113				
Name & Address of the	M/s. Kallappanna Awade Jav	vahar Shetkari	i Sahakari Sakhar K	arkhana Ltd		
Customer	Hupari-Yalgud, Tal: Hatkana					
		inguic/ District				
	Ambient Air S	ample Details				
Туре	Samplin	g Location	_	Sampling	done by	
Ambient Air	Near N	Near Main Gate				
	Samplir	ng Time				
Start Time		Time		Total	Hrs.	
04:00 P.M.		0 P.M.		60 M	lin	
	Metrological Data/Env		nditions			
Ambient Temperature °C	29.0	1	emperature °C	17.	0	
Dry Bulb Temperature °C	29.0		lumidity % RH	28.3		
Date of Sampling	Sample Receipt Date	Analysi	s Start Date	Analysis E	nd Date	
28/12/2022	29/12/2022		12/2022	03/01/2023		
20/12/2022	23/12/2022	50/12/2022		00,01,1010		
Name of Instrument	High Volume Sampler	Date Of	Calibration	19/10/	2022	
Calibration Certificate No.	SSEC/FF/1528	Due Date	of Calibration	18/10/2023		
and the second second						
Parameters	Method		Unit	NAAQ Standards	Result	
Particulate Matter (PM10)	IS:5182 (PART 4):2	2019	μg/cum	100.00	63.86	
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):	2019	μg/cum	60.00	20.09	
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	2017	μg/cum	80.00	18.02	
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2018 µg/cum		ug/cum	80.00	24.11	

0

Consultant Pvt.

1:0

Mr. Vinod Hande

- The report is refer only to the sample tested and not applies to the bulk. 1
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

<sup>(</sup>Technical Manager) **Reviewed & Authorized By** 

**GREEN ENVIROSAFE** 

A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666

Engineers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)

GREEN EN

Consultant Pvt. Lid

С

Engineers

CA

Test Report No: -	GESEC/PRO/AAQM/2022-23/	12/1114	Downet Date	Report Date 03/01/2023		
Sample ID: -	GESEC/PRO/AAQM/2022-23/	12/1114	Report Date	03/01/2023		
Name & Address of the Customer	M/s. Kallappanna Awade Jaw Hupari-Yalgud, Tal: Hatkanar					
	Ambient Air Sa	ample Details				
Туре	Sampling	, Location	_	Sampling	done by	
Ambient Air	Nea	Near ETP				
	Samplin	g Time				
Start Time	Stop	Stop Time				
04:10 P.M.	05:10 P.M.			60 N	1in	
	Metrological Data/Envi	ronmental Co	nditions			
Ambient Temperature °C	29.0	Wet Bulb Temperature °C			0	
Dry Bulb Temperature °C	29.0	Relative H	umidity % RH	28.3		
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis E	nd Date	
28/12/2022	29/12/2022	30/1	12/2022	03/01/2023		
Name of Instrument	Repairable Dust Sampler	Date Of	Calibration	19/10/	2022	
Calibration Certificate No.	SSEC/FF/1525		of Calibration	18/10/2023		
Parameters	Method	Method		NAAQ Standards	Result	
Particulate Matter (PM10)	IS:5182 (PART 4):2	019	µg/cum	100.00	60.23	
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):2	2019	μg/cum	60.00	18.71	
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	017	µg/cum	80.00	15.74	
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2	018	μg/cum	80.00	19.86	

#### Terms and conditions

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 5. 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

Mr. Vinod Hande (Technical Manager)

**Reviewed & Authorized By** 



 GREEN ENVIROSAFE
 A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed,

 Dist. Pune-410501.
 Mob+ 9545084620, 8421365421
 CIN No. : U74900PN2013PTC149666

ers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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 R	EPORT				
Test Report No: -	GESEC/PRO/AAQM/2022-23	/12/1115	Demant Date	02/01/2022		
Sample ID: -	GESEC/PRO/AAQM/2022-23	/12/1115	Report Date	03/01/2023		
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana					
	Ambient Air S	ample Details				
Туре	Samplin	Sampling Location				
Ambient Air	Near C	ane Yard		GES	EC	
-	Samplin	g Time				
Start Time		Stop Time				
04:20 P.M.	05:20 P.M.			60 Min		
	Metrological Data/Env	ironmental Con	ditions			
Ambient Temperature °C	28.0	Wet Bulb Te	emperature <sup>oc</sup>	19		
Dry Bulb Temperature <sup>oC</sup>	28.0	Relative Hu	imidity % RH	31.1		
Date of Sampling	Sample Receipt Date	Analysis	Start Date	Analysis E	nd Date	
28/12/2022	29/12/2022		2/2022	03/01/2023		
Name Of Instrument	High Volume Combined Sampler	Date Of Calibration		19/10/2022		
Calibration Certificate No.	SSEC/FF/1526	Due Date o	f Calibration	18/10/2023		
Parameters	Method	Method		NAAQ Standards	Result	
Particulate Matter (PM10)	IS:5182 (PART 4):2	019	μg/cum	100.00	64.12	
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):	2019	μg/cum	60.00	21.16	
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	017	μg/cum	80.00	16.74	
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2	018	µg/cum	80.00	21.85	

90 / PCI – I, New Delhi, the 18th November 2009.

GREEN ENVIROS Engineers 7 10 & Consultant PV

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

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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 REPOR	Г		
Test Report No	GESEC/PRO/AAQM/2022-23/	12/1116	Report Date	03/01/2023
Sample ID -	GESEC/PRO/AAQM/2022-23/			
Name & Address of the Customer	M/s. Kallappanna Awade Jaw Hupari-Yalgud, Tal: Hatkanan	ahar Shetkari Sa gale, Dist: Kolha	hakari Sakhar Karl pur (Maharashtra)	khana Ltd.,
	Sample Deta	ils		
Sample collection Date	Sample receipt Date	Analysis complete Date		
28/12/2022	29/12/2022 30/12/2022			03/01/2023
	Instrument De	tails		
Name Of Instrument	Stack Monitoring Kit Date Of Calibration			17/10/2022
Calibration Certificate No.	SEC/TH/57 Due Date of Calibration			16/10/2023
	Stack Detail	s		
Stack No/ID	Stack A	ttached to		Sampling done by
01	Stack 1	90+20 TPH)		GESEC
Shape	Round Fuel Used			Bagasse
Diameter/ Dimensions ( m)	4.73	Pres	sure	4.00
Height (m)		75		
Temperature ( <sup>o</sup> C)	130	Velocit	ty (m/s)	7.62
Gas Volume (Nm <sup>3</sup> /Hr)		357010	).44	
		Unit	Limit	Result
Parameters	Method	mg/Nm <sup>3</sup>	150	38.63
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019			16.87
Sulphur Dioxide (SO2)	IS 11255 (Part 2) 2019	mg/Nm <sup>3</sup>	-	
		Kg/day -		144.55

Maharashtra Pollution Control Board (MPCB) Limits: SO2: As per consent. P

GREEN ENVIR 105. \*\*\*END OF REPOR 5 d Consultant PV

Flandin Mr. Vinod Hande

(Technical Manager) **Reviewed & Authorized By** 

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



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 REPOR	Г		5 - S	5
Test Report No	GESEC/PRO/ST/2022-23/12/	Report Date	03,	/01/2023	
Sample ID -	GESEC/PRO/ST/2022-23/12/	1117			
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana	vahar Shetkari Sah ngale, Dist: Kolhap	akari Sakhar ur (Maharas	Karkhana I htra)	.td.,
	Sample Deta	ils			
Sample collection Date	Sample receipt Date	Analysis star	t Date	Analysis	complete Dat
28/12/2022	29/12/2022 30/12/2022			03,	/01/2023
	Instrument De	tails			
Name Of Instrument	Stack Monitoring Kit	g Kit Date Of Calibration		17/10/2022	
Calibration Certificate No.	SEC/TH/57 Due Date of Calibration			16/10/2023	
	Stack Detail	s			
Stack No/ID	Stack At	tached to		Samp	ling done by
01	Stack 2	(75 TPH)			GESEC
Shape	Round	Fuel Use	ed	E	Bagasse
Diameter/ Dimensions ( m)	2.5	Pressur	'e	3.00	
Height (m)		72			
Temperature ( <sup>o</sup> C)	125	Velocity (I	m/s)		6.56
Gas Volume (Nm <sup>3</sup> /Hr)		86912.11	1		
			Lim		Result
Parameters	Method	Unit	0.5102/10		43.13
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm <sup>3</sup>	15	0	
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	mg/Nm <sup>3</sup>	-		19.50
	13 11235 (1 817 2) 2015	Kg/day	Kg/day -		40.67

Maharashtra Pollution Control Board (MPCB) Limits: SO2: As per consent.

PUN-PE ITT 2 ests \*\*\*END OF REPORT & Consultant

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

Lan

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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

12	TEST REPO	RT		1. C	
Test Report No: -	GESEC/PRO/ANLM/2022-23	3/12/1118	Report Date	03/01/2023	
Sample ID: -	GESEC/PRO/ANLM/2022-23	3/12/1118	Report Date	05/01/2025	
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkan	Ltd.,			
	Ambient Noise Sa	mple Details			
Туре	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	
28/12/2022	29/12/2022	30/12/2022		03/01/2023	
Name Of Instrument	Digital Sound Level Meter	Date Of Calibration		17/10/2022	
Calibration Certificate No.	SSEC/ME/266	Due Date o	16/10/2023		
Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)	
		Day (05:45 P.M.)	Night (11:00 P.M.)		
Near Main Gate	dB(A)	61.7	60.4		
Near ETP	dB(A)	65.3	64.2	During Day time =	
Near Bagasse Section	dB(A)	70.2	66.3	75 dB (A) During Night time=	
Near Sugar Godown	dB(A)	68.9	64.7	70 dB(A)	
Near Cane Yard	dB(A)	72.3	68.0		
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) A during the Night Time.

HENVIROS, neers & Consulta \*\*\*END OF REPORT

Ltd

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

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



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/2022-23/12/1119	Report Date	03/01/2023	
Sample ID: -	GESEC/PRO/WNLM/2022-23/12/1119	Report Date	00,01/2020	
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Hupari-Yalgud, Tal: Hatkanangale, Dist: Kol	Sahakari Sakhar Karkha hapur (Maharashtra)	na Ltd.,	

	Work Zone Noise S	ample Details		
Туре	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	
28/12/2022	29/12/2022	30/12/2022	03/01/2023	
			07/10/2022	
Name of Instrument	Sound Level Meter	Date of Calibration	07/10/2022	
		Due Date of Calibration	06/10/2023	

Linit	Average Noise	The Factories Act 1948,	
Onit	Day (06:20 P.M.)	Night (11:40 P.M.)	standards
dB(A)	86.9	84.1	
dB(A)	89.0	87.2	
dB(A)	87.2	85.7	≤ 90
dB(A)	88.5	84.1	
dB(A)	88.1	86.0	
	dB(A) dB(A) dB(A)	Dhit         Day (06:20 P.M.)           dB(A)         86.9           dB(A)         89.0           dB(A)         87.2           dB(A)         88.5	Day (06:20 P.M.)         Night (11:40 P.M.)           dB(A)         86.9         84.1           dB(A)         89.0         87.2           dB(A)         87.2         85.7           dB(A)         88.5         84.1

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.

ENVIROSAA x \*\*\*END OF REPOR Pvt GR Engineers & Con

Kandis

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

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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/2022-23/12/1120	Report Date		03/01/2023
Sample ID : GESEC/PRO/WW/2022-23/12/1120	Sample Det	ails	ETP Inlet
	Type of Sam	ple	Waste Water
Name & Address of the Customer:	Volume Of Sample		1 Lit plastic bottle
	Sample Stat	us	Sealed
M/s. Kallappanna Awade Jawahar Shetkari Sahakari	Sample Coll	ected By	GESEC
Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Date of Sam	ple Collection	28/12/2022
	Sample Rec	eipt Date	29/12/2022
	Analysis sta	rt Date	30/12/2022
	Analysis End Date		03/01/2023
Parameters	Results	Unit	Standard Method
pH	4.00		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	168.95	mg/lit	APHA 2540 D 23rd ED:2017
Total Dissolved Solids (TDS)	2895.61	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	2541.97	mg/lit	IS 3025 (Part 58), 2019
Biochemical Oxygen Demand (BOD)	1156.03	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	869.20	mg/lit	APHA 4500 CI- B,23rd Edition, 201
Sulphates as SO4	741.77	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	13.00	mg/lit	IS 3025 (Part 39), 2019

Janeti

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

ENVIROSAAN Ltd. ш. á \*\*\*END OF REPO Engineers & Consult

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



## 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		3
Test Report No: GESEC/PRO/WW/	2022-23/12/1121	Report Date		03/01/2023
Sample ID : GESEC/PRO/WW/2022-23/12/1121		Sample Det	ails	ETP Outlet
		Type of Sam	ple	Waste Water
	Volume Of Sample		1 Lit plastic bottle	
Name & Address of the Customer:		Sample Stat	us	Sealed
M/s. Kallappanna Awade Jawahar Shetkari		Sample Collected By		GESEC
Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale	Dist: Kolhanur	Date of Sample Collection Sample Receipt Date Analysis start Date		n 28/12/2022
(Maharashtra)	, Dist. Konapar			29/12/2022
(manarashtra)				30/12/2022
		Analysis End	d Date	03/01/2023
Parameters	Results	MPCB LIMIT	Unit	Standard Method
рН	7.53	6.5-8.5		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	17.40	100	mg/lit	APHA 2540 D 23rd ED:2017
Total Dissolved Solids (TDS)	1236 52	2100	mg/lit	APHA 2540 C 23rd Edition 2017

Total Dissolved Solids (TDS)	1236.52	2100	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	63.11	250	mg/lit	IS 3025 (Part 58), 2019
Biochemical Oxygen Demand (BOD)	24.09	100	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	186.52	600	mg/lit	APHA 4500 CI- B,23rd Edition, 2017
Sulphates as SO4	110.67	1000	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 39), 2019

Remark:

BDL – Below Detectable Limit.

> All parameters are within the MPCB limit.

4NVIROSAR REEN PUNE Pvt. 0

22124 Mr. Vinod Hande (Technical Manager) **Reviewed & Authorized By** 

\*\*\*END OF REPORT

- 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
  - The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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 F	REPORT			
Test Report No: GESEC/PRO/WW/2022-23/12/1122		Report Dat	e	03/01/2023	
Sample ID : GESEC/PRO/WW/2022-23/12/1122		Sample De	tails	Factory STP Inlet	
141		Type of Sa	mple	Waste Water	
-		Volume Of	Sample	1 Lit plastic bottle Sealed	
Name & Address of the Customer:		Sample Sta	itus		
M/s. Kallappanna Awade Jawahar She	tkari	Sample Co	llected By	GESEC	
Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur		Date of Sample Collection		28/12/2022	
(Maharashtra)	. Komapur	Sample Receipt Date Analysis start Date		29/12/2022	
(manarasitra)				30/12/2022	
		Analysis Er	nd Date	03/01/2023	
Parameters	Results	Unit	Stand	ard Method	
рН	6.10		APHA 4500 H+	B 23rd Edition.2017	
Suspended Solids (SS)	67.40	mg/lit	APHA 2540 D 23rd ED:2017		
Total Dissolved Solids (TDS)	1236.52	mg/lit	APHA 2540,C	,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	147.63	mg/lit	IS 3025 (	Part 58), 2019	

Biochemical Oxygen Demand (BOD)	60.49	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl <sup>-</sup>	186.52	mg/lit	APHA 4500 CI- B,23rd Edition, 2017
Sulphates as SO4	110.67	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	mg/lit	IS 3025 (Part 39), 2019

**Remark:** 

BDL – Below Detectable Limit.

4NVIROSAA REEN PUNE Pvt. \*\*\*END OF REPORT\*\*\* Engineers & Con

sand Mr. Vinod Hande

(Technical Manager) Reviewed & Authorized By

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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

		<b>FEST REPORT</b>				
Test Report No: GESEC/PRO/WW/202	2-23/12/1123	Report Date		03/01/2023		
Sample ID : GESEC/PRO/WW/2022-23	/12/1123	Sample Det	ails	Factory STP Outlet		
		Type of Sam	nple	Waste Water		
		Volume Of S	Sample	1 Lit plastic bottle		
Name & Address of the Customer:	Sample Stat	us	Sealed GESEC 28/12/2022			
M/s. Kallappanna Awade Jawahar She Sahakari Sakhar Karkhana Ltd.,	Sample Coll	ected By				
Hupari-Yalgud, Tal: Hatkanangale, Dis	Date of Sam	ple Collection				
(Maharashtra)	n Komapai	Sample Rec	eipt Date	29/12/2022		
(manarashira)		Analysis sta	rt Date	30/12/2022		
-		Analysis End	d Date	03/01/2023		
Parameters	Results	MPCB LIMIT	Unit	Standard Method		
рН	7.74	6.5-8.5		APHA 4500 H+,B 23rd Edition.20		
Suspended Solids (SS)	16.28	100	mg/lit	APHA 2540 D 23rd ED:2017		
Total Dissolved Solids (TDS)	652.10	2100	mg/lit	APHA 2540,C,23rd Edition, 2017		
Chemical Oxygen Demand (COD)	41.52	250	mg/lit	IS 3025 (Part 58), 2019		
Biochemical Oxygen Demand (BOD)	15.74	100	mg/lit	IS 3025 (Part 44), 2019		
Chlorides as Cl <sup>-</sup>	95.63	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017		
Sulphates as SO <sub>4</sub>	64.20	1000	mg/lit	APHA 3025 (Part 24) ;2019		

#### Remark:

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

4NUROSA REEN

PV

fant'

CO

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

andres

\*\*\*END OF REPORT

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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 No: GESEC/PRO/WW/2022-23/12/1124	Report Date	03/01/2023
Sample ID : GESEC/PRO/WW/2022-23/12/1124	Sample Details	Colony STP Inlet
Name & Address of the Customer:	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,	Sample Collected By	GESEC
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur	Date of Sample Collection	28/12/2022
(Maharashtra)	Sample Receipt Date	29/12/2022
(	Analysis start Date	30/12/2022
	Analysis End Date	03/01/2023

Parameters	Results	Unit	Standard Method
pH	6.47		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	55.20	mg/lit	APHA 2540 D 23rd ED:2017
Total Dissolved Solids (TDS)	1302.56	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	125.63	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	52.30	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	210.47	mg/lit	APHA 4500 CI- B,23rd Edition, 2017
Sulphates as SO4	145.96	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	mg/lit	IS 3025 (Part 39), 2019

**Remark:** 

BDL – Below Detectable Limit.

ENVIROSAN GREEN Ltd PUNE and Consultant

landi

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

\*\*\*END OF REPORT

- The report is refer only to the sample tested and not applies to the bulk. 1.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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. 4.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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

	TES	ST REPORT				
Test Report No: GESEC/PRO/WW/2022-23/12/1125		Report Date	2		03/01/2023	
Sample ID : GESEC/PRO/WW/2022-23	/12/1125	Sample Det	ails		Colony STP Outlet	
		Type of Sample			Waste Water	
		Volume Of Sample			1 Lit plastic bottle	
Name & Address of the Customer:	Sample Status Sample Collected By Date of Sample Collection Sample Receipt Date			Sealed		
M/s. Kallappanna Awade Jawahar She				GESEC		
Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dis				28/12/2022 29/12/2022		
(Maharashtra)						
(Wallalasitia)		Analysis start Date Analysis End Date			30/12/2022	
					03/01/2023	
Parameters	Results	MPCB LIMIT	Unit		Standard Method	
рН	7.50	6.5-8.5	-	APH	IA 4500 H+,B 23rd Edition.2017	
Suspended Solids (SS)	17.63	100	mg/lit	APHA 2540 D 23rd ED:2017		
Total Dissolved Solids (TDS)	596.20	2100	mg/lit	APHA 2540,C,23rd Edition, 20		
Chemical Oxygen Demand (COD)	45.11	250	mg/lit		IS 3025 (Part 58), 2019	
Biochemical Oxygen Demand (BOD)	13.47	100	mg/lit		IS 3025 (Part 44), 2019	
Chlorides as Cl <sup>-</sup>	102.56	600	mg/lit	APH	IA 4500 Cl- B,23rd Edition, 2017	
Sulphates as SO4 ~	78.01	1000	mg/lit		APHA 3025 (Part 24) ;2019	
Oil & Grease	BDL	10	mg/lit		IS 3025 (Part 39), 2019	

### Remark:

BDL - Below Detectable Limit. >

All parameters are within the MPCB limit. Þ

ENVIROS GREEN PUNE 14 1

Handr

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

\*\*\*END OF REPORT & Consul 2

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
  - 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. 3.
- 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. 4.
- 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 5.
- or legal requirement.



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

		REPORT			1 1 275
Test Report No: -	GESEC/PRO/WZM/2022-23/12/1260		Denot D. (	03/01/2023	
Sample ID: -	GESEC/PRO/WZM/2022-23/	/12/1260 Report Date			
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana	wahar Shetkari Ingale, Dist: Koll	Sahakari Sakhar H hapur (Maharash	(arkhana Ltd., tra)	
	WORKZONE AIR QUALIT	Y MONITORING	RESULTS		
Туре		g Location		Sampling	done by
Ambient Air		Section		GES	
	Sampli	ng Time		015	
Start Time		p Time		Total	Hrs.
04:30 P.M.		0 P.M.		60 N	
	Metrological Data/Env		ditions	001	
Ambient Temperature °C	30	Wet Bulb Temperature oc		22	
Dry Bulb Temperature °C	30	Relative Humidity % RH		49	
Date of Sampling	Sample Receipt Date	Analysis	Start Data	Ameliate P	
28/12/2022	29/12/2022	Analysis Start Date 30/12/2022		Analysis End Date 03/01/2023	
	20/22/2022	50/12	4/2022	03/01/	2023
Name of Instrument	Handy Sampler	Handy Sampler Date of Calibration		19/10/	2022
Calibration Certificate No.	SSEC/FF/1517		f Calibration	18/10/2023	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2	and the second	mg/m <sup>3</sup>	10	0.412
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	2017	mg/m <sup>3</sup>	5	0.009
Oxides of Nitrogen(NO <sub>x</sub> ) Note:	IS:5182 (PART 6):2	018	mg/m <sup>3</sup>	6	0.013

Engineers \*\*\*END OF REPORT\*\*

REEN

0

Pvt.

ultant .

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.
- 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 any statement in the statement of the statement is any statement of the statement of the
  - 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 use (supplied by automas and not supplied by another suppl
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

Mr. Vinod Hande

(Technical Manager)

**Reviewed & Authorized By** 



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 Engineers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

### 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

GESEC/PRO/WZM/2022-23/					
GESEC/PRO/WZM/2022-23/12/1261		00/01/000			
GESEC/PRO/WZM/2022-23/	/12/1261 Report Date		03/01/2023		
M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana	wahar Shetkari angale, Dist: Kol	Sahakari Sakhar K Ihapur (Maharash	(arkhana Ltd., tra)		
WORKZONE AIR QUALIT		G RESULTS			
	and the second se		Sampling wa	as donee by	
		e.	010	20	
			Total	Hrs.	
05:4	10 P.M.				
Metrological Data/En	vironmental Co	nditions			
30				22	
30	Relative Humidity % RH		49		
Sample Receipt Date	Analysis	Start Date	Analysis	and Data	
29/12/2022	30/12/2022		03/01/2023		
Perconal Sampler	Data of	C-lihvi	10/10		
			19/10/2022		
55EC/FF/1519	Due Date d	of Calibration	18/10/	2023	
Method		Unit	NAAQ Standards	Result	
IS:5182 (PART 4):2	2019	mg/m <sup>3</sup>	10	0.341	
IS:5182 (PART 2):2	2017	mg/m <sup>3</sup>	5	0.008	
IS:5182 (PART 6):2	2018		6	0.010	
	Hupari-Yalgud, Tal: Hatkana WORKZONE AIR QUALIT Samplir Suga Sampli Sto 05:4 Metrological Data/Em 30 30 Sample Receipt Date 29/12/2022 Personal Sampler SSEC/FF/1519 Method IS:5182 (PART 4):2	Hupari-Yalgud, Tal: Hatkanangale, Dist: Ko         WORKZONE AIR QUALITY MONITORIN         Sampling Location         Sugar House         Sugar House         Sampling Time         O5:40 P.M.         Metrological Data/Environmental Co         30       Wet Bulb T         30       Relative H         Sample Receipt Date         Analysis         29/12/2022       30/1         Personal Sampler         Date of         SSEC/FF/1519	Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharash         WORKZONE AIR QUALITY MONITORING RESULTS         Sampling Location         Sugar House         Sampling Time         Solution         Stop Time         05:40 P.M.         Metrological Data/Environmental Conditions         30         Wet Bulb Temperature °C         30         Relative Humidity % RH         Sample Receipt Date         Analysis Start Date         29/12/2022         Bate of Calibration         SEC/FF/1519         Due Date of Calibration         SEC/FF/1519         Method         Method         Init         IS:5182 (PART 4):2019       mg/m³         Mg/m³	Sampling LocationSampling wat Sugar HouseSugar HouseGESSampling TimeStop TimeTotalOS:40 P.M.Total05:40 P.M.60 MMetrological Data/Environmental Conditions30Wet Bulb Temperature °C2:30Relative Humidity % RH4930Relative Humidity % RH19Personal SamplerDate of Calibration19/10/SSEC/FF/1519UnitNAAQ StandardsMethodUnitNAAQ StandardsStandards15:5182 (PART 4):2017mg/m³10	

\*\*\*END OF REPORT Engineers & Con

Ш 11

Pvt.

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

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
  - 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. 4. 5.
- 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



 GREEN ENVIROSAFE
 A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed,

 Dist. Pune-410501.
 Mob+ 9545084620, 8421365421
 CIN No. : U74900PN2013PTC149666

Engineers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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 F	REPORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23/01/778		Report Date	01/02/	2023
Sample ID: -	GESEC/PRO/AAQM/2022-23	/01/778	Report Date	01/02/	2025
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	Sample Details			
Туре	T. T	g Location		Sampling	done by
Ambient Air		Aain Gate		GES	
		ng Time			
Start Time		p Time		Total	Hrs.
09:00 A.M.	10:0	60 N	lin		
	Metrological Data/Env	vironmental Co	onditions		
Ambient Temperature °C	22.0	Wet Bulb Temperature °C		17.0	
Dry Bulb Temperature °C	22.0	Relative I	Humidity % RH	60.6	
Date of Sampling	Sample Receipt Date	pt Date Analysis Start Date		Analysis End Date	
25/01/2023	27/01/2023	28/01/2023		01/02/2023	
Name of Instrument	High Volume Sampler	Date O	f Calibration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1528		of Calibration	18/10/2023	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):	2019	μg/cum	100.00	61.36
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24)	2019	μg/cum	60.00	21.50
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):	2017	μg/cum	80.00	16.57
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):	2018	μg/cum	80.00	23.40

GREEN ENLIPO

Consultant Put

Engineers

Terms and conditions

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

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



rA-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, GREEN ENVIROSAFE Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666

Engineers & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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

GREEN EN LIPO

Consultant PV

NFE

Engineers

đ

	TEST R	EPORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23	/01/779	Bonort Data	01/02/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/779 Report Date		01/02/	2023	
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	ample Details	).		
Туре	Samplin	g Location		Sampling	done by
Ambient Air		ar ETP		GES	EC
	Samplir	ng Time			
Start Time	Stor	Time		Total	Hrs.
09:10 A.M.		0 A.M.		60 N	lin
	Metrological Data/Env	ironmental Co	onditions		
Ambient Temperature °C	22.0 Wet Bulb Temperature °C		17.0		
Dry Bulb Temperature °C	22.0	Relative Humidity % RH		60.6	
Date of Sampling	Sample Receipt Date Analysis Start Date		Analysis End Dat		
25/01/2023	27/01/2023	28/	01/2023	01/02/2023	
Name of Instrument	Respirable Dust Sampler	Date Of	f Calibration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1525	Due Date	of Calibration	18/10/2023	
Parameters	Method	Method		NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	2019	μg/cum	100.00	60.83
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):	2019	µg/cum	60.00	20.69
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	2017	μg/cum	80.00	14.78
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2	2018	μg/cum	80.00	20.10

#### Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

ax

Mr. Vinod Hande

(Technical Manager) **Reviewed & Authorized By** 



### 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 R	EPORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23	/01/780	Demant Data	01/02/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/780		Report Date	01/02/	2023
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	ample Details	;		
Туре	Samplin	g Location		Sampling	done by
Ambient Air	Near C	ane Yard		GESI	EC
	Samplir	g Time			
Start Time	Stop	Stop Time			
09:20 A.M.	10:2	0 A.M.		60 Min	
	Metrological Data/Env	ironmental Co	onditions		
Ambient Temperature <sup>oC</sup>	23.0 Wet Bulb Temperature <sup>oC</sup>			17.0	
Dry Bulb Temperature °C	23.0	Relative Humidity % RH		54.6	
Date of Sampling	Sample Receipt Date	Analys	is Start Date	Analysis E	nd Date
25/01/2023	27/01/2023	28/	/01/2023	01/02/2023	
Name Of Instrument	High Volume Combined Sampler	Date Of Calibration		f Calibration 19/10/20	
Calibration Certificate No.	SSEC/FF/1526	Due Date	e of Calibration	18/10/	2023
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	019	μg/cum	100.00	63.36
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):	2019	μg/cum	60.00	23.07
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	017	μg/cum	80.00	15.45
Oxides of Nitrogen(NOx)	IS:5182 (PART 6):2	018	µg/cum	80.00	22.41

#### 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.

GREEN ENLIPO Engineeks UNE 3 Consultant Put

20 ax

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

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



> 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 REPOR	Т			
Test Report No	GESEC/PRO/ST/2022-23/01/781 Report Date			01/02/2023	
Sample ID -	GESEC/PRO/ST/2022-23/01/7	81			
Name & Address of the Customer	M/s. Kallappanna Awade Jaw Hupari-Yalgud, Tal: Hatkanan			ana Ltd.,	
	Sample Detai	ils			
Sample collection Date	Sample receipt Date	Analysis st	tart Date	Analysis complete Date	
25/01/2023	27/01/2023	28/01/	2023	01/02/2023	
	Instrument De	tails			
Name Of Instrument	Stack Monitoring Kit	Date Of Ca	libration	17/10/2022	
Calibration Certificate No.	SEC/TH/57	Due Date of	Calibration	16/10/2023	
	Stack Detail	s			
Stack No/ID	Stack /	Sampling done by			
01	Stack 1	GESEC			
Shape	Round	Fuel L	Jsed	Bagasse	
Diameter/ Dimensions ( m)	4.73	4.73 Pressure			
Height (m)		75			
Temperature ( <sup>o</sup> C)	125	Velocity	/ (m/s)	6.56	
Gas Volume (Nm <sup>3</sup> /Hr)		311116.1	14		
Parameters	Method	Unit	Limit	Result	
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm <sup>3</sup>	150	42.36	
Sulphur Dioxide (SO <sub>2</sub> )	IC 11255 (Dent 2) 2010	mg/Nm <sup>3</sup>	-	15.42	
	IS 11255 (Part 2) 2019	Kg/day	-	115.14	
	ol Board (MPCB) Limits: SPM: 150 ol Board (MPCB) Limits: SO2: As p	er consent.		0	
		PREEN EL		Mr. Vinod Hand (Technical Manage ewed & Authorized E	

Consultant PV \*\*\*END OF REPORT\*\*\*

- The report is refer only to the sample tested and not applies to the bulk. 1.
- 2. 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. 3.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



> 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 REPOR	т			
Test Report No	GESEC/PRO/ST/2022-23/01/	Report Date	01,	/02/2023	
Sample ID -	GESEC/PRO/ST/2022-23/01/				
					1
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana				.td.,
	Sample Deta	nils			
Sample collection Date	Sample receipt Date	Analysis start	Date	Analysis	complete Date
25/01/2023	27/01/2023	28/01/20	23	01,	/02/2023
	Instrument De	etails			
Name Of Instrument	Stack Monitoring Kit	Date Of Calib	ration	17,	/10/2022
Calibration Certificate No.	SEC/TH/57	Due Date of Cal	ibration	16	/10/2023
	Stack Detai	ls		3	
Stack No/ID	Stack A	Stack Attached to			
01	Stack 2	! (75 TPH)			GESEC
Shape	Round	Fuel Used			lagasse
Diameter/ Dimensions ( m)	2.5	Pressure		4.00	
Height (m)		72			
Temperature ( <sup>o</sup> C)	120	Velocity (m	n/s)		7.53
Gas Volume (Nm <sup>3</sup> /Hr)		100993.84			
Parameters	Method	Unit	Lim	it	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm <sup>3</sup>	150	0	40.63
Sulphur Dioxide (SO <sub>2</sub> )		mg/Nm <sup>3</sup>	-		14.97
	IS 11255 (Part 2) 2019	Kg/day	(=)		36.29
	DI Board (MPCB) Limits: SPM: 1 DI Board (MPCB) Limits: SO2: As	50 mg/Nm <sup>3</sup> .		0	
	***END OF REP(	DRT**	AOSAFE DI	(Tech	Ir. Vinod Hande Inical Manager) A Authorized By
		Consultan	1.PM		

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



> 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 RE	PORT		
Test Report No: -	GESEC/PRO/ANLM/2022-23	3/01/783	Report Date	01/02/2023
Sample ID: -	GESEC/PRO/ANLM/2022-23	3/01/783	Report Date	01/02/2023
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkan			Ltd.,
	Ambient Noise Sa	ample Details		
Туре	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
25/01/2023				
Name Of Instrument	Digital Sound Level Meter	Date Of Calibration		17/10/2022
Calibration Certificate No.	SSEC/ME/266	Due Date o	16/10/2023	
Test Location	Unit	Average Noise	e Level Readings	CPCB Standards dB(A)
		Day (11:45 P.M.)	Night (10:10 P.M.)	
Near Main Gate	dB(A)	63.9	61.5	During Day time =
Near ETP	dB(A)	63.0	62.2	75 dB (A)
Near Bagasse Section	dB(A)	68.2	64.9	During Night time=
Near Sugar Godown	dB(A)	69.0	64.8	70 dB(A)
Near Cane Yard	dB(A)	72.1	68.0	

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.

SHEN ENVIROS PFE Enginee PUNE 0 d Consultant P

ande

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

\*\*\*END OF REPORT

- The report is refer only to the sample tested and not applies to the bulk. 1
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 4. 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.
- 5. 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



## 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

		ST REPORT		1
Test Report No: -	GESEC/PRO/WNLM/202	2-23/01/784	Report Date	01/02/2023
Sample ID: -	GESEC/PRO/WNLM/202	2-23/01/784	Report Date	01/02/2025
Name & Address of the Customer	M/s. Kallappanna Awad Hupari-Yalgud, Tal: Hatl			ana Ltd.,
	Work Zone N	loise Sample Details		
Туре	Work Zone Noise	loise sumple setuis		
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis	Start Date	Analysis End Date
25/01/2023	Sample Receipt Date	Analysis		
23/01/2023				
Name of Instrument	Sound Level Meter	Date o	Date of Calibration	
Calibration Certificate No.	SSEC/ME/259	Due Date	of Calibration	06/10/2023
		Average Noise	e Level Readings	The Factories Act 1948
Test Location	Unit	Day (12:30 P.M.)	Night (10:45 P.M.)	standards
Centrifugal Section	dB(A)	84.8	82.2	
Furbine Section	dB(A)	87.6	84.8	
Boiler Section	dB(A)	84.8	83.0	]
Vill Section	dB(A)	83.5	81.1	
Pan Section	dB(A)	85.2	82.7	≤ 90
Remark- The Factories Act, 1948, has All above results are within I		gree Gree	N ENVIROS PUNE	Sure.

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



## 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/WW/2022-23/01/785	Report Date		01/02/2023	
Sample ID : GESEC/PRO/WW/2022-23/01/785	Sample Details		ETP Inlet	
	Type of Samp	le	Waste Water	
Name & Address of the Customer:	Volume Of Sa	mple	1 Lit plastic bottle	
	Sample Statu	s	Sealed	
M/s. Kallappanna Awade Jawahar Shetkari	Sample Colle	cted By	GESEC	
Sahakari Sakhar Karkhana Ltd.,	Date of Samp	le Collection	25/01/2023	
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Sample Recei	pt Date	27/01/2023 28/01/2023	
	Analysis start	Date		
	Analysis End	Date	01/02/2023	
Parameters	Results	Unit	Standard Method	
pH	3.50		APHA 4500 H+,B 23rd Edition.2017	
Suspended Solids (SS)	154.77	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017	
Total Dissolved Solids (TDS)	2659.80	mg/lit	APHA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	2631.45	mg/lit	IS 3025 (Part 58) , 2019	
Biochemical Oxygen Demand (BOD)	1294.87	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as Cl-	754.12	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017	
Sulphates as SO4	632.99	mg/lit	APHA 3025 (Part 24) ;2019	
Sulphates as 504-				

Junder

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

\*\*\*END OF REPORT

Engine

GREEN ENVIRO

onsultant S

U

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



### 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		1		
Test Report No: GESEC/PRO/WW/20	22-23/01/786	Report Date	2	01/02/2023		
Sample ID : GESEC/PRO/WW/2022-2	3/01/786	Sample Det	ails	ETP Outlet		
	Type of Sam	nple	Waste Water			
		Volume Of S	Sample	1 Lit plastic bottle		
Name & Address of the Customer:	Sample Stat	tus	Sealed			
M/s. Kallappanna Awade Jawahar Sh Sahakari Sakhar Karkhana Ltd.,	etkari	Sample Coll	ected By	GESEC		
Hupari-Yalgud, Tal: Hatkanangale, Di	st: Kolhapur	Date of Sam	ple Collection	25/01/2023		
(Maharashtra)		Sample Rec	eipt Date	27/01/2023		
		Analysis sta	rt Date	28/01/2023		
		Analysis En	d Date	01/02/2023		
Parameters	Results	MPCB LIMIT	Unit	Standard Method		
рН	7.64	6.5-8.5	-	APHA 4500 H+,B 23rd Edition.2017		
Suspended Solids (SS)	16.47	100	mg/lit	APHA 2540 D 23rd ED:2017		
Total Dissolved Solids (TDS)	862.01	2100	mg/lit	APHA 2540,C,23rd Edition, 2017		
Chemical Oxygen Demand (COD)	65.24	250	mg/lit	IS 3025 (Part 58), 2019		
Biochemical Oxygen Demand (BOD)	23.77	100	mg/lit	IS 3025 (Part 44), 2019		
Chlorides as Cl-	95.63	600	mg/lit	APHA 4500 CI- B,23rd Edition, 2017		
	100 AD 110 AD 110 AD	1000	44.	APHA 3025 (Part 24) ;2019		
Sulphates as SO4	74.19	1000	mg/lit	APHA 3025 (Part 24) ;2019		

#### Remark:

> P BDL - Below Detectable Limit.

All parameters are within the MPCB limit.

GREEN ENVIR Engineers 1

101 NOCI

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

Consultant \*\*\*END OF REPORT

- 1 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. 2.
- 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. З.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



> 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 REPO	DRT			
Test Report No: GESEC/PRO/WW/2022-23/	/01/787	Report Date		01/02/2023	
Sample ID : GESEC/PRO/WW/2022-23/01/7	Sample De	tails	Factory STP Inlet 50 KLPD		
		Type of Sa	mple	Waste Water	
	Volume Of	Sample	1 Lit plastic bottle		
Name & Address of the Customer:	Sample Sta	itus	Sealed		
M/s. Kallappanna Awade Jawahar Shetkari Karkhana Ltd.,	Sanakari Saknar	Sample Co	llected By	GESEC	
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kol	Date of San	mple Collection	25/01/2023		
(Maharashtra)		Sample Re	ceipt Date	27/01/2023	
		Analysis start Date		28/01/2023	
		Analysis End Date		01/02/2023	
Parameters	Results	Unit	Star	ndard Method	
рН	6.22		APHA 4500 H+,B 23rd Edition.2017		
Suspended Solids (SS)	82.47	mg/lit	APHA 25	540 D 23rd ED:2017	
Total Dissolved Solids (TDS)	1305.96	mg/lit	APHA 2540	),C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	160.24	mg/lit	IS 302	5 (Part 58) , 2019	
Biochemical Oxygen Demand (BOD)	85.79	mg/lit	IS 302	5 (Part 44), 2019	
Chlorides as Cl <sup>-</sup>	210.64	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017		
Sulphates as SO <sub>4</sub>	165.98	mg/lit	APHA 30	025 (Part 24) ;2019	
	BDL	mg/lit	IS 3025 (Part 39), 2019		

All parameters are within the MPCB limit.

GREEN ENLIPO Engineers P

jandel.

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

Consultant PV \*\*\*END OF REPORT\*\*\*

- The report is refer only to the sample tested and not applies to the bulk. 1
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
  - 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. 4.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



### 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		1	
Test Report No: GESEC/PRO/WW/202	2-23/01/788	Report Date		01/02/2023	
Sample ID : GESEC/PRO/WW/2022-23	/01/788	Sample Det	ails	Factory STP Outlet 50 KLPD	
8	Type of Sam	ple	Waste Water		
	Volume Of S	Sample	1 Lit plastic bottle		
Name & Address of the Customer:	tkari	Sample Stat	us	Sealed	
M/s. Kallappanna Awade Jawahar She Sahakari Sakhar Karkhana Ltd.,	tkari	Sample Coll	ected By	GESEC	
Hupari-Yalgud, Tal: Hatkanangale, Dis	t: Kolhapur	Date of Sam	ple Collection	25/01/2023	
(Maharashtra)		Sample Rec	eipt Date	27/01/2023	
(manarasina a)		Analysis sta	rt Date	28/01/2023	
		Analysis End	d Date	01/02/2023	
Parameters	Results	MPCB LIMIT	Unit	Standard Method	
pH	7.55	6.5-8.5		APHA 4500 H+,B 23rd Edition.2017	
Suspended Solids (SS)	13.74	100	mg/lit	APHA 2540 D 23rd ED:2017	
Total Dissolved Solids (TDS)	589.67	2100	mg/lit	APHA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	40.80	250	mg/lit	IS 3025 (Part 58), 2019	
Biochemical Oxygen Demand (BOD)	15.74	100	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as Cl <sup>-</sup>	78.02	600	mg/lit	APHA 4500 CI- B,23rd Edition, 2017	
Sulphates as SO4	66.39	1000	mg/lit	APHA 3025 (Part 24) ;2019	
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 39), 2019	

**Remark:** 

8 BDL - Below Detectable Limit.

8 All parameters are within the MPCB limit.

GREEN ENLIK Engineer PUNE P Consultant PV

5

P

andeli

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

\*\*\*END OF REPORT\*\*

- The report is refer only to the sample tested and not applies to the bulk. 1 2.
  - 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



## 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 REP	ORT			
Test Report No: GESEC/PRO/WW/2022-23/01	est Report No: GESEC/PRO/WW/2022-23/01/789			01/02/2023	
Sample ID : GESEC/PRO/WW/2022-23/01/789		Sample Detai	ls	Colony STP Inlet 100 KLPD	
		Type of Samp	le	Waste Water	
	Volume Of Sa	mple	1 Lit plastic bottle		
Name & Address of the Customer:	Sample Statu	S	Sealed		
M/s. Kallappanna Awade Jawahar Shetkari Sa Karkhana Ltd.,	Sample Colleg	cted By	GESEC		
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolha	Date of Samp	le Collection	25/01/2023		
(Maharashtra)		Sample Recei	pt Date	27/01/2023	
		Analysis start Date		28/01/2023	
		Analysis End	Date	01/02/2023	
Parameters	Results	Unit	9	Standard Method	
рН	6.30		APHA 4500 H+,B 23rd Edition.2017		
Suspended Solids (SS)	75.41	mg/lit	APHA	A 2540 D 23 <sup>rd</sup> ED:2017	
Total Dissolved Solids (TDS)	1143.69	mg/lit	APHA 2	540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	142.07	mg/lit	IS 3	025 (Part 58) , 2019	
Biochemical Oxygen Demand (BOD)	66.81	mg/lit	IS 3	3025 (Part 44), 2019	
Chlorides as Cl <sup>-</sup>	156.92	mg/lit	APHA 450	00 Cl- B,23rd Edition, 2017	
Sulphates as SO <sub>4</sub>	136.92	mg/lit	APH	A 3025 (Part 24) ;2019	
Oil & Grease	BDL	mg/lit	IS 3	3025 (Part 39), 2019	
Remark:         >       BDL – Below Detectable Limit.         >       All parameters are within the MPCB limit.	imit.			0	

STEEN ENVIRO PTT Eng PUNE Consultant Put \*\*\*END OF REPORT

ante

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

- 1. 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. 2.
- 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. 3.
- 4. 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.
- 5. 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



> 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 F	EPORT		2	
Test Report No: GESEC/PRO/WW/2022-23/	01/790	Report Date	e	01/02/	2023
Sample ID : GESEC/PRO/WW/2022-23/01/7	'90	Sample Det	ails	Colony STP Ou	tlet 100 KLPD
		Type of Sam	nple	Waste	Water
		Volume Of S	Sample	1 Lit plast	ic bottle
Name & Address of the Customer:	Sample Stat	tus	Seal	ed	
M/s. Kallappanna Awade Jawahar Shetkari S Sakhar Karkhana Ltd.,	Sample Coll	ected By	GES	EC	
Hupari-Yalgud, Tal: Hatkanangale, Dist: Koll	Date of Sam	ple Collectio	n 25/01/	2023	
(Maharashtra)	Sample Rec	eipt Date	27/01/	2023	
(		Analysis sta	rt Date	28/01/	2023
	Analysis End	d Date	01/02/	2023	
Parameters	Results	MPCB LIMIT	Unit	Standard M	ethod
рН	7.45	6.5-8.5		APHA 4500 H+,B 23r	d Edition.2017
Suspended Solids (SS)	15.94	100	mg/lit	APHA 2540 D 23	rd ED:2017
Total Dissolved Solids (TDS)	502.31	2100	mg/lit	APHA 2540,C,23rd	Edition, 2017
Chemical Oxygen Demand (COD)	38.93	250	mg/lit	IS 3025 (Part 5	8), 2019
Biochemical Oxygen Demand (BOD)	14.07	100	mg/lit	IS 3025 (Part 4	4), 2019
Chlorides as Cl <sup>-</sup>	86.92	600	mg/lit	APHA 4500 Cl- B,23rd	d Edition, 2017
Sulphates as SO4	65.11	1000	mg/lit	APHA 3025 (Part	: 24) ;2019
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 3	9), 2019
Remark:         >       BDL – Below Detectable Limit.         >       All parameters are within the MPCB	limit.				0

SHEN ENVIROS PUNE

andel

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

\*\*\*END OF REPORT\*\*\*

# Engl Consulta

FE

- The report is refer only to the sample tested and not applies to the bulk. 1
- 2 The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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

		REPORT			100 199
Test Report No: -	GESEC/PRO/WZM/2022-23/01/795		01/02/2023		
Sample ID: -	GESEC/PRO/WZM/2022-23/	/01/795	Report Date	01/02/202	.5
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana				
4	WORKZONE AIR QUALIT	Y MONITORING	RESULTS		
Туре	Samplir	ng Location		Sampling	done by
Ambient Air	Pan	Section		GES	
	Sampli	ng Time		555 (5.1.2.1)	
Start Time		p Time		Total	Hrs.
09:30 A.M.		30 A.M.		60 N	/lin
	Metrological Data/Env	vironmental Con	ditions		
Ambient Temperature <sup>oC</sup>	26.0	Wet Bulb Temperature <sup>oC</sup>		19.0	
Dry Bulb Temperature <sup>oC</sup>	26.0	Relative Humidity % RH		51.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Dat	
25/01/2023	27/01/2023	28/01/2023		01/02/2023	
Name of Instrument	Handy Sampler	Date of C	Calibration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1517	Due Date o	f Calibration	18/10/2023	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):	2019	mg/m <sup>3</sup>	10	0.437
Sulphur Dioxide (SO2)	IS:5182 (PART 2):	2017	mg/m <sup>3</sup>	5	0.008
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2018 mg/m <sup>3</sup>		6	0.013	
Oxides of Nitrogen(NO <sub>x</sub> ) Note:	IS:5182 (PART 6): pient Air Quality Standards, Cent	2018 ral Pollution Con	mg/m <sup>3</sup>	6	0.01

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

\*\*\*END OF REPORT

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
  - The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



> 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/WZM/2022-23/01/796 Report I GESEC/PRO/WZM/2022-23/01/796			04 /00 /000		
Sample ID: -			Report Date	01/02/202	3	
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana					
	WORKZONE AIR QUALIT	Y MONITORING	RESULTS			
Туре		g Location		Sampling	done by	
Ambient Air		r House		GES		
		ing Time				
Start Time		p Time		Total	Hrs.	
09:40 A.M.	10:4	0 A.M.		60 N		
	Metrological Data/En	vironmental Cor	ditions			
Ambient Temperature <sup>oC</sup>	26.0	Wet Bulb Temperature <sup>oC</sup>		19.0		
Dry Bulb Temperature <sup>oC</sup>	26.0	Relative Humidity % RH		51.0		
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis E	nd Date	
25/01/2023	27/01/2023	28/01/2023		01/02/2023		
Name Of Instrument	Personal Sampler	Date of C	alibration	19/10/	2022	
<b>Calibration Certificate No.</b>	SSEC/FF/1519		f Calibration	18/10/2023		
Parameters	Method		Unit	NAAQ Standards	Result	
Particulate Matter (PM)	IS:5182 (PART 4):2	2019	mg/m <sup>3</sup>	10	0.326	
	IS:5182 (PART 2):2	2017	mg/m <sup>3</sup>	5	0.007	
Sulphur Dioxide (SO <sub>2</sub> ) Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2018 mg/m <sup>3</sup>		1 2	6	0.012	

PUNE p

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

# \*\*\*\*END OF REPORT \*\*\*Consulta

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666

s & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

### 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 R	EPORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23	/01/797	Report Date	01/02/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/797		Report Date	01/02/202	5
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	ample Details			
Туре		g Location		Sampling	done by
Ambient Air		ge (Upwind West	t)	GESI	EC
		ng Time			
Start Time		p Time		Total	Hrs.
08:00 AM.		00 AM.		60 M	lin
	Metrological Data/Env		ditions		
Ambient Temperature °C	22.0		mperature °C	17.	0
Dry Bulb Temperature °C	22.0	Relative Humidity % RH		61.0	
Date of Sampling	Sample Receipt Date	Analysis	Start Date	Analysis E	nd Date
25/01/2023	27/01/2023	28/01/2023		01/02/2023	
Name of Instrument	High Volume Sampler	Date Of C	alibration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1528	Due Date of Calibration		18/10/2023	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):	2019	µg/cum	100.00	56.13
Sulphur Dioxide (SO2)	IS:5182 (PART 2):	2017	μg/cum	80.00	10.74
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):	2018	µg/cum	80.00	14.29
Remark ▶ NAAQS - National Amb / PCI – I, New Delhi, the 18th No	ient Air Quality Standards, Cent ovember 2009.	SREEN.	ENVIPOS ENVIPOS PUNE	cation, No. B - 29	
		Engineers	PUNE FE BI	A DESCRIPTION OF THE REAL OF T	Vinod Hand ical Manage

\*\*\*END OF REPORT\*\*\* Consultant

- **Terms and conditions**
- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



VIROSA

A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 onsultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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 RE	PORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23/	Report Date	01/02/2023		
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/798		Report Dute		
Name & Address of the Customer	M/s. Kallappanna Awade Jaw Hupari-Yalgud, Tal: Hatkanar	ahar Shetkari Sa ngale, Dist: Kolha	ahakari Sakhar K Apur (Maharasht	arkhana Ltd., ra)	
	Ambient Air Sa	mple Details			
Туре		Location		Sampling	lone by
Ambient Air	Jangamwadi Villag		st)	GESE	C
Allivent All	Samplin				
Start Time		Time		Total I	Hrs.
09:00 AM.		0 AM.		60 M	in
03.007.000	Metrological Data/Envi	ronmental Cond	litions		
Ambient Temperature °C	24.0 Wet Bulb Temperature °C		18.0		
Dry Bulb Temperature °C	24.0	Relative Humidity % RH		56.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis E	nd Date
25/01/2023	27/01/2023	28/01/2023		01/02/2023	
Name of Instrument	Respirable Dust Sampler	Date Of C	alibration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1525		Calibration	18/10/2023	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	2019	µg/cum	100.00	58.66
	IS:5182 (PART 2):2		µg/cum	80.00	12.47
	IS:5182 (PART 6):2	2018	µg/cum	80.00	16.01
Sulphur Dioxide (SO <sub>2</sub> ) Oxides of Nitrogen(NO <sub>x</sub> ) Remark	IS:5182 (PART 2):2 IS:5182 (PART 6):2 Dient Air Quality Standards, Centr	2017 2018	μg/cum μg/cum trol Board Notifie	80.00	16

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

onsultant PV \*\*\*END OF REPORT\*

- 1. 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. 2.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of 3. 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 4. 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 5. by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



> 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 F	REPORT			
Test Report No: -	est Report No: - GESEC/PRO/AAQM/2022-23/02/636 Sample ID: - GESEC/PRO/AAQM/2022-23/02/636 Report Date		Bonort Data	03/03/2023	
Sample ID: -			Report Date		
Name & Address of the Customer	M/s. Kallappanna Awade Jar Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	Sample Details			
Туре		g Location		Sampling	done by
Ambient Air	Near N	Aain Gate		GES	EC
	Sampli	ng Time			
Start Time	Sto	p Time		Total	Hrs.
11:30 AM.	12:	30 PM.		60 Min	
	Metrological Data/Env	vironmental Con	ditions		
Ambient Temperature °C	30.0 Wet Bulb Temperature °		emperature °C	15.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH		16.5	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis E	nd Date
24/02/2023	25/02/2023	27/02/2023		03/03/2023	
Name of Instrument	High Volume Sampler	Date Of (	Calibration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1528	Due Date o	of Calibration	18/10/2023	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):	2019	μg/cum	100.00	60.23
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24)	:2019	μg/cum	60.00	20.00
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):	2017	μg/cum	80.00	14.78
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):	2018	μg/cum	80.00	21.94

GREEN ENVIP Engi HINCLAS đ Consultant PV

andle~ Mr. Vinod Hande

(Technical Manager) **Reviewed & Authorized By** 

- The report is refer only to the sample tested and not applies to the bulk. 1.
- 2. 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- 6, MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



> 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 R	EPORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23/02/637 GESEC/PRO/AAQM/2022-23/02/637 Report Date: 1		Banart Data	03/03/2023	
Sample ID: -			Report Date	03/03/2023	
Name & Address of the Customer	M/s. Kallappanna Awade Jaw Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	ample Details			
Туре	Samplin	g Location		Sampling	done by
Ambient Air	Nea	r ETP		GESI	EC
	Samplin	g Time			
Start Time	Stop	Time		Total Hrs.	
11:40 AM.		0 PM.		60 Min	
	Metrological Data/Env	ironmental Cond	itions		
Ambient Temperature °C	30.0	Wet Bulb Temperature °C		15.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH		16.5	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis E	nd Date
24/02/2023	25/02/2023	27/02/2023		03/03/2023	
Name of Instrument	Respirable Dust Sampler	Date Of Ca	alibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of	Calibration	18/10/	2023
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	019	μg/cum	100.00	59.13
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):		µg/cum	60.00	18.33
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	017	μg/cum	80.00	12.45
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2	018	μg/cum	80.00	17.96

GREEN ENLINOS Engineer C Consuliant Put

lande. Mr. Vinod Hande

(Technical Manager) **Reviewed & Authorized By** 

#### Terms and conditions

The report is refer only to the sample tested and not applies to the bulk. 1

/ PCI - I, New Delhi, the 18th November 2009.

- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



> 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 R	EPORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23/02/638 GESEC/PRO/AAQM/2022-23/02/638 Report Date		03/03/2023		
Sample ID: -			Report Date	03/03/2023	
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	ample Details			
Type	Samplin	g Location		Sampling	done by
Ambient Air	Near C	ane Yard		GESI	EC
	Samplir	ng Time			
Start Time	Stor	Time		Total Hrs.	
11:50 AM.	12:5	0 PM.		60 Min	
	Metrological Data/Env	ironmental C	onditions		
Ambient Temperature °C	31.0	Wet Bulb Temperature °C		15.	0
Dry Bulb Temperature °C	31.0	<b>Relative Humidity % RH</b>		14.1	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Da	
24/02/2023	25/02/2023	27/02/2023		03/03/2023	
Name Of Instrument	High Volume Combined Sampler	Date Of Calibration		19/10/2022	
Calibration Certificate No.	SSEC/FF/1526	Due Date	of Calibration	18/10/2023	
Parameters	Method	6	Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	2019	μg/cum	100.00	61.36
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):	2019	μg/cum	60.00	22.85
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	2017	μg/cum	80.00	14.52
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2	2018	µg/cum	80.00	20.98

#### Remark:-

NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B - 29016 / 20 / 90 × / PCI - I, New Delhi, the 18th November 2009.



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

- 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. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



# 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 REPO	DRT			
Test Report No	GESEC/ST/2022-23/02/639		Report Date	03/03/2023	
Sample ID -	GESEC/ST/2022-23/02/639	1			
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana	wahar Shetkari Sah angale, Dist: Kolhap	akari Sakhar bur (Maharash	Karkhana Ltd., htra)	
	Sample Det	ails			
Sample collection Date	Sample receipt Date	Analysis star	rt Date	Analysis complete Date	
24/02/2023	25/02/2023	27/02/20	023	03/03/2023	
	Instrument D	etails			
Name Of Instrument	Stack Monitoring Kit	Date Of Calib	oration	17/10/2022	
Calibration Certificate No.	SEC/TH/57	C/TH/57 Due Date of Calibration		16/10/2023	
	Stack Deta	ils			
Stack No/ID	Stack Attached to Sampling done				
01	Stack 1 (9	GESEC			
Shape	Round	Fuel Used		Bagasse	
Diameter/ Dimensions ( m)	4.73	4.73 Pressure			
Height (m)		75			
Temperature ( <sup>o</sup> C)	130	Velocity (n	n/s)	7.62	
Gas Volume (Nm <sup>3</sup> /Hr)		357010.4		,	
Parameters					
uspended Particulate Matter (SPM)	Method	Unit	Limit	Result	
ulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 1) 2019	mg/Nm <sup>3</sup>	150	40.13	
	IS 11255 (Part 2) 2019	mg/Nm <sup>3</sup>	-	19.20	
emarks-	2) XI	Kg/day		164.51	
Maharashtra Pollution Control	Board (MPCB) Limits: SPM: 15 Board (MPCB) Limits: SO <sub>2</sub> : As p	0 mg/NM³. per consent.			

\*\*\*END OF REPOR

& Consultant

(Technical Wanager) **Reviewed & Authorized By** 

- 1. The report is refer only to the sample tested and not applies to the bulk. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 5.
- 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. 6.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



# 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

GESEC/ST/2022-23/02/640 GESEC/ST/2022-23/02/640 M/s. Kallappanna Awade Jan Hupari-Yalgud, Tal: Hatkana Sample Deta	wahar Shetkari Sah Ingale, Dist: Kolhap	Report Date	03/03/2023	
M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana Sample Deta	wahar Shetkari Sah			
Hupari-Yalgud, Tal: Hatkana Sample Deta	wahar Shetkari Sah Ingale, Dist: Kolhap	akari Sakhar		
Hupari-Yalgud, Tal: Hatkana Sample Deta	wahar Shetkari Sah Ingale, Dist: Kolhap	akari Sakhar		
Sample Deta		ur (Maharasi	Karkhana Ltd., htra)	
C				
Sample receipt Date	Analysis star	t Date	Analysis complete Dat	
25/02/2023	27/02/20	23	03/03/2023	
Instrument De			03/03/2023	
Stack Monitoring Kit	Date Of Calib	ration	17/10/2022	
SEC/TH/57		1.00.000.000	16/10/2023	
Stack Detail			10/10/2025	
Stack At	tached to		Sampling done by	
			GESEC	
Round	Fuel Used			
2.5			Bagasse 3.00	
125		/c)	6.56	
in the Lot		/5/	6.56	
	00512.11			
Method	Unit	Limit	Result	
IS 11255 (Part 1) 2019			38.83	
		-	15.60	
IS 11255 (Part 2) 2019			32.54	
	NG/ day		52.54	
Board (MPCB) Limits: SPM: 150	0 mg/Nm <sup>3</sup> .			
Source (WFCB) Limits, SU2: AS	ber consent.		1	
Car	ENENVIROSET	Re	Mr. Vinod Hand (Technical Manage eviewed & Authorized B	
	Stack Monitoring Kit SEC/TH/57 Stack Detail Stack Detail Stack At Stack 2 Round 2.5 125 125 Method IS 11255 (Part 1) 2019 IS 11255 (Part 2) 2019 Board (MPCB) Limits: SPM: 150 Board (MPCB) Limits: SO2: As Stack Detail Method	SEC/TH/57       Due Date of Cal         Stack Details       Stack Attached to         Stack 2 (75 TPH)       Stack 2 (75 TPH)         Round       Fuel User         2.5       Pressure         2.5       Pressure         125       Velocity (m         86912.11       Stack 2 (75 TPH)         Method       Unit         IS 11255 (Part 1) 2019       mg/Nm³         IS 11255 (Part 2) 2019       mg/Nm³         Soard (MPCB) Limits: SPM: 150 mg/Nm³.       Soard (MPCB) Limits: SO2: As per consent.         ***END OF REPORT***/UNE	Stack Monitoring KitDate Of CalibrationSEC/TH/57Due Date of CalibrationStack DetailsStack DetailsStack Attached toStack 2 (75 TPH)RoundFuel Used2.5Pressure72125Velocity (m/s)Segen 2125Velocity (m/s)86912.11MethodIS 11255 (Part 1) 2019Mg/Nm³-IS 11255 (Part 2) 2019mg/Nm³Kg/day-Soard (MPCB) Limits: SPM: 150 mg/Nm³. Board (MPCB) Limits: SO2: As per consent.KENVIROSEReferences	

#### Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk. 1.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 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. 5.
- 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.

a Consultant

6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



# 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 RE				
Test Report No: -	GESEC/	ANLM/2022-23/02/0	541			
Sample ID: -	GESEC/	ANLM/2022-23/02/6	541	Report Date	03/03/2023	
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Kar Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra			akari Sakhar Karkhar ur (Maharashtra)	na Ltd.,	
		Ambient Noise Sa	male Details			
Туре	Ambien		inple Details			
Sampling done by	GESEC					
Standard method	As Per I	S: 9989:2020				
Date of Sampling	Sample Receipt Date		Analysis	Analysis End Dat		
24/02/2023						
Name Of Instrument	Digital S	Sound Level Meter	Date Of (	17/10/2022		
Calibration Certificate No.	S	SEC/ME/266	Due Date o	f Calibration	16/10/2023	
					10/10/2025	
Test Location		Unit	Average Noise Level Readings		CPCB Standards dB(A)	
		ont	Day (02:30 P.M.)	Night (10:15 P.M.)		
Near Main Gate		dB(A)	63.8	62.1	1000	
Near ETP		dB(A)	64.0	61.5	During Day time :	
Near Bagasse Section		dB(A)	66.9	64.2	75 dB (A)	
Near Sugar Godown		dB(A)	67.1	66.9	During Night time	
Near Cane Yard Remark-		dB(A)	70.1	68.9	70 dB(A)	

(A) during the Night Time.

ENVIROS GRE PUN \*\*\*END OF REPOR 50 3 Reers & Consultan

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

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3. 4.
- 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. 5.
- 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. 6.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



# 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/WNLM/2022-23/02/642			
Sample ID: -	GESEC/WNLM/2022-23/	02/642	Report Date	03/03/2023
Name & Address of the Customer	M/s. Kallappanna Awad Hupari-Yalgud, Tal: Hatk	e Jawahar Shetkari : Kanangale, Dist: Koll	Sahakari Sakhar Kark Napur (Maharashtra)	hana Ltd.,
1•22 (P.				
•	Work Zone	Noise Sample Deta	ile	
Туре	Work Zone Noise	indisc sample Deta	1115	
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Samula Bassi + Bass			
24/02/2023	Sample Receipt Date	Analysis Start Date		Analysis End Date
21/02/2023				
Name of Instrument	Sound Level Meter	Data of (	2-11	
<b>Calibration Certificate No.</b>	SSEC/ME/259	Date of Calibration Due Date of Calibration		07/10/2022
	5520/1012/259	Due Date o	06/10/2023	
		Average Noise Level Readings		
Test Location	Unit	Day (03:10 P.M.)	Night (10:55 P.M.)	<ul> <li>The Factories Act 1948, standards</li> </ul>
Centrifugal Section	dB(A)	80.4	78.2	
urbine Section	dB(A)	80.2	78.4	- ×
Boiler Section	dB(A)	85.1	84.7	≤ 90
Aill Section	dB(A)	86.4	82.9	- 230
an Section	dB(A)	86.8		-
lemark-	, has prescribed 90 dB (A) a		83.0	exposuro

\*\*\*END OF REPOR eors & Consultan Reviewed & Authorized By

- 1. The report is refer only to the sample tested and not applies to the bulk. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 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. 5.
- 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 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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	2	
Test Report No: GESEC/WW/2022-23/02/643	Report Date		03/03/2023
Sample ID : GESEC/WW/2022-23/02/643	Sample Deta	ils	ETP Inlet
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sam	ple	Waste Water
	Volume Of S	ample	1 Lit plastic bottle
	Sample Statu	IS	Sealed
	Sample Colle	cted By	GESEC
		ole Collection	24/02/2023
	Sample Rece	ipt Date	25/02/2023
· · · · ·	Analysis star		27/02/2023
	Analysis End Date		03/03/2023
Parameters	Results	Unit	Standard Method
pH	3.00		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	146.59	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
Total Dissolved Solids (TDS)	3251.47	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	2896.60	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	1024.95	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	911.34	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO4-	746.93	mg/lit	APHA 3025 (Part 24) ;2019
Dil & Grease	14.00	mg/lit	IS 3025 (Part 39), 2019

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

SH ENVIROS PEE \*\*\*END OF REPOR PUNE Ltd. Pris Consultant

Terms and conditions

- 1. The report is refer only to the sample tested and not applies to the bulk. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.

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. 6.

MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

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. 5.



> 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 REPOR	Г		
Test Report No: GESEC/WW/2022-23/02/644		Report Dat	e	03/03/2023	
Sample ID : GESEC/WW/2022-23/02/	644	Sample De	tails	ETP Outlet	
		Type of San	nple	Waste Water	
Name & Address of the Customer:	Volume Of	Sample	1 Lit plastic bottle		
M/s. Kallappanna Awade Jawahar She	Sample Sta	tus	Sealed		
Sahakari Sakhar Karkhana Ltd.,		Sample Col	lected By	GESEC	
Hupari-Yalgud, Tal: Hatkanangale, Dis	st: Kolhapur	Date of Sar	nple Collection	24/02/2023	
(Maharashtra)		Sample Red		25/02/2023	
		Analysis sta		27/02/2023	
	Analysis En	d Date	03/03/2023		
Parameters	Results	MPCB LIMIT	Unit	Standard Method	
Н	7.52	6.5-8.5		APHA 4500 H+,B 23rd Edition.2017	
Suspended Solids (SS)	19.45	100	mg/lit	APHA 2540 D 23rd ED:2017	
Total Dissolved Solids (TDS)	753.21	2100	mg/lit	APHA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	63.98	250	mg/lit	IS 3025 (Part 58), 2019	
Biochemical Oxygen Demand (BOD)	24.10	100	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as Cl-	87.44	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017	
Sulphates as SO4	69.86	1000	mg/lit	APHA 3025 (Part 24) ;2019	
Oil & Grease	BDL	10			

#### Remark:

×

>

BDL – Below Detectable Limit.

All parameters are within the MPCB limit.

\*\*\*\*END OF REPORT

GREEN ENVIPOS

PUNE

PFE

D

ande

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

Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4,
- 5.
- 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.

MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



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/WW/2022-23/02/645		Report Da	ate	03/03/2023	
Sample ID : GESEC/WW/2022-23/02/	645	Sample D	etails	Factory STP Inlet 50 KLPD	
		Type of Sa	ample	Waste Water	
Name & Address of the Customer:		Volume O	f Sample	1 Lit plastic bottle	
M/s. Kallappanna Awade Jawahar Sh	etkari	Sample St	atus	Sealed	
Sahakari Sakhar Karkhana Ltd.,		Sample Co	ollected By	GESEC	
Hupari-Yalgud, Tal: Hatkanangale, Di	st: Kolhapur		imple Collection	24/02/2023	
(Maharashtra)		eceipt Date	25/02/2023 27/02/2023		
	Analysis st				
	Analysis E	nd Date	03/03/2023		
Parameters	Results	Unit	Stan	dard Method	
рΗ	6.10			l+,B 23rd Edition.2017	
Suspended Solids (SS)	95.62	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017		
Fotal Dissolved Solids (TDS)	1221.89	mg/lit	APHA 2540,C,23rd Edition, 2017		
Chemical Oxygen Demand (COD)	145.07	mg/lit		(Part 58) , 2019	
Biochemical Oxygen Demand (BOD)	91.64	mg/lit		(Part 44), 2019	
Chlorides as Cl <sup>-</sup>	256.71	mg/lit	and the second se	- B,23rd Edition, 2017	
ulphates as SO4	143.95	mg/lit		25 (Part 24) ;2019	
Dil & Grease	BDL	mg/lit		(Part 39) 2019	

STEN ENVIROS

PUNE

m

E

#### Remark:

A BDL - Below Detectable Limit. Þ

All parameters are within the MPCB limit.

Consultant \*\*\*END OF REPORT\*

lande.

IS 3025 (Part 39), 2019

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

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
  - 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.
- 4. 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. 5.
- 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



> 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

	TE	ST REPORT					
Test Report No: GESEC/WW/2022-23	Report Date			03/03/2023			
Sample ID : GESEC/WW/2022-23/02	/646	Sample De	tails		Factory STP Outlet 50 KLPD		
N	Type of Sa	mple		Waste Water			
Name & Address of the Customer:		Volume Of	Sample		1 Lit plastic bottle		
M/s. Kallappanna Awade Jawahar Sh	netkari	Sample Sta	itus		Sealed		
Sahakari Sakhar Karkhana Ltd.,		Sample Col	lected By		GESEC		
Hupari-Yalgud, Tal: Hatkanangale, D	Date of Sar		tion	24/02/2023			
(Maharashtra)	Sample Red			25/02/2023			
	Analysis sta			27/02/2023			
	Analysis End Date			03/03/2023			
Parameters	Results	MPCB LIMIT	Unit		Standard Method		
Н	7.62	6.5-8.5		APH	IA 4500 H+,B 23rd Edition.2017		
Suspended Solids (SS)	14.71	100	mg/lit		APHA 2540 D 23rd ED:2017		
Fotal Dissolved Solids (TDS)	495.62	2100	mg/lit	AP	HA 2540,C,23rd Edition, 2017		
Chemical Oxygen Demand (COD)	42.10	250	mg/lit		IS 3025 (Part 58) , 2019		
Biochemical Oxygen Demand (BOD)	16.97	100	mg/lit	IS 3025 (Part 44), 2019			
Chlorides as Cl <sup>-</sup>	75.42	600	mg/lit	APH	A 4500 Cl- B,23rd Edition, 2017		
Sulphates as SO4	62.05	1000	mg/lit		APHA 3025 (Part 24) ;2019		
Dil & Grease	BDL	10	mg/lit		IS 3025 (Part 39), 2019		

BDL – Below Detectable Limit.

>

All parameters are within the MPCB limit.

PUNE PUNE PUNE m 'D \*\*\*END OF REPORT & Consultant Put

ande

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

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 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. 5.
- 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



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/WW/2022-23	Report Da	ite	03/03/2023			
Sample ID + CESEC/MINU/2022 22 /22 /22			etails	Colony STP Inlet 100 KLPD		
		Type of Sa	imple	Waste Water		
Name & Address of the Customer:		Volume O	f Sample	1 Lit plastic bottle		
M/s. Kallappanna Awade Jawahar She	etkari	Sample St	atus	Sealed		
Sahakari Sakhar Karkhana Ltd.,		Sample Co	ollected By	GESEC		
Hupari-Yalgud, Tal: Hatkanangale, Dis		mple Collection	24/02/2023			
(Maharashtra)			ceipt Date	25/02/2023		
	Analysis st	art Date	27/02/2023			
		Analysis E	nd Date	03/03/2023		
Parameters	Results	Unit	Star	ndard Method		
рН	6.01			H+,B 23rd Edition.2017		
Suspended Solids (SS)	102.65	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017			
Total Dissolved Solids (TDS)	1452.98	mg/lit		,C,23rd Edition, 2017		
Chemical Oxygen Demand (COD)	172.63	mg/lit		5 (Part 58) , 2019		
Biochemical Oxygen Demand (BOD)	96.52	mg/lit	IS 3025 (Part 44), 2019			
Chlorides as Cl <sup>-</sup>	186.77	mg/lit		Cl- B,23rd Edition, 2017		
Sulphates as SO4	151.34	mg/lit		25 (Part 24) ;2019		
Dil & Granca				(		

Remark:

Þ

Oil & Grease

BDL - Below Detectable Limit.

× All parameters are within the MPCB limit.

> \*\*\*END OF REPORT or & Consultan

-

BDL

mg/lit

CHENVIROS PRIME

5

ø

ande

IS 3025 (Part 39), 2019

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

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 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. 5.
- 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 6.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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

	TE	ST REPORT				
Test Report No: GESEC/WW/2022-23	Report Dat	e		03/03/2023		
Sample ID : GESEC/WW/2022-23/02/	648	Sample De	tails		Colony STP Outlet 100 KLPD	
		Type of Sar	nple		Waste Water	
Name & Address of the Customer:		Volume Of	Sample		1 Lit plastic bottle	
M/s. Kallappanna Awade Jawahar Sh	etkari	Sample Sta	tus		Sealed	
Sahakari Sakhar Karkhana Ltd.,		Sample Col	lected By		GESEC	
Hupari-Yalgud, Tal: Hatkanangale, Di	Date of Sar		tion	24/02/2023		
(Maharashtra)	Sample Red			25/02/2023 27/02/2023		
	Analysis sta					
	Analysis End Date			03/03/2023		
Parameters	Results	MPCB LIMIT	Unit		Standard Method	
Н	7.52	6.5-8.5		APHA 4500 H+,B 23rd Edition.201		
Suspended Solids (SS)	18.99	100	mg/lit		PHA 2540 D 23rd ED:2017	
Fotal Dissolved Solids (TDS)	562.31	2100	mg/lit	A CONTRACT	IA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	42.10	250	mg/lit		IS 3025 (Part 58) , 2019	
Biochemical Oxygen Demand (BOD)	16.98	100	mg/lit	IS 3025 (Part 44), 2019		
Chlorides as Cl <sup>-</sup>	95.41	600	mg/lit	APHA	4500 Cl- B,23rd Edition, 2017	
Sulphates as SO4	70.12	1000	mg/lit		PHA 3025 (Part 24) ;2019	
Dil & Grease	BDL	10	mg/lit		IS 3025 (Part 39), 2019	

**Remark:** 

P BDL - Below Detectable Limit.

A All parameters are within the MPCB limit.

> \*\*\*END OF REPORT alers & Consultant

CREENVIROS PR

m

td.

Pri-

lango

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

- 1. The report is refer only to the sample tested and not applies to the bulk. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 5.
- 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 6.



consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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/WZM/2022-23/02/6	51			
Sample ID: -	GESEC/WZM/2022-23/02/6	51	Report Date	03/03/202	23
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana				
	WORKZONE AIR QUALIT		RESULTS		
Туре		ng Location		Sampling	done by
Ambient Air		Section		GES	
	Sampli	ing Time			
Start Time		p Time		Total	Hrs.
11:20 AM.		20 PM.		60 N	
	Metrological Data/Env		litions		
Ambient Temperature °C	30.0	Wet Bulb Temperature °C		20.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH		39.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Da	
24/02/2023	25/02/2023	27/02/2023		03/03/2023	
Name of Instrument	Handy Sampler	Date of Ca	libration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1517	Due Date of	and the second	19/10/	The second s
	3320/11/131/	Due Date Of	calibration	10/10/	2023
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):	2019	mg/m <sup>3</sup>	10	0.529
ulphur Dioxide (SO₂)	IS:5182 (PART 2):	2017	mg/m <sup>3</sup>	5	0.009
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2018		mg/m <sup>3</sup>	6	0.012
Note: NAAQS - National Amb PCI – I, New Delhi, the 18th No	ient Air Quality Standards, Cent ovember 2009.	ral Pollution Contr		ation, No. B - 29 hand:	016 / 20 / 9

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

\*\*\*END OF REPORT

Engi

FE

Pd:

PUNE

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



# 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

1631	REPORT			
GESEC/WZM/2022-23/02/6	52		02/02/2022	
GESEC/WZM/2022-23/02/6	52 Report Date		03/03/202	23
WORKZONE AIR QUALI	TY MONITORING	RESULTS		
			Sampling wa	as donee by
Suga	ar House			
			Total	Hrs.
12:	30 PM.			
Metrological Data/En	vironmental Con	ditions		
30.0			20.0	
30.0	Relative Humidity % RH		39.0	
Sample Receipt Date	Analysis Start Date		Analysis F	nd Date
25/02/2023	27/02/2023		03/03/2023	
Personal Sampler	Date of C	alibration	19/10/	/2022
SSEC/FF/1519			18/10/2023	
Method		Unit	NAAQ Standards	Result
IS:5182 (PART 4):	2019	mg/m <sup>3</sup>	10	0.391
IS:5182 (PART 2):	2017	mg/m <sup>3</sup>	5	0.008
IS:5182 (PART 6):2018 mg/m <sup>3</sup>		mg/m <sup>3</sup>	6	0.014
	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana WORKZONE AIR QUALI Samplin Suga Sample Sto 12: Metrological Data/En 30.0 30.0 Sample Receipt Date 25/02/2023 Personal Sampler SSEC/FF/1519 Method IS:5182 (PART 4): IS:5182 (PART 2):	Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolf         WORKZONE AIR QUALITY MONITORING         Sampling Location         Sugar House         Sampling Time         Stop Time         12:30 PM.         Metrological Data/Environmental Con         30.0         Wet Bulb Te         30.0         Wet Bulb Te         30.0         Relative Hu         Sample Receipt Date         Analysis S         25/02/2023         27/02         Personal Sampler         Date of C         SSEC/FF/1519         Due Date of         IS:5182 (PART 4):2019         IS:5182 (PART 2):2017	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharash         WORKZONE AIR QUALITY MONITORING RESULTS         Sampling Location         Sugar House         Sampling Time         Stop Time         12:30 PM.         Metrological Data/Environmental Conditions         30.0         Wet Bulb Temperature °C         30.0         Metrological Data/Environmental Conditions         30.0         Wet Bulb Temperature °C         30.0         Personal Sampler         Date of Calibration         SSEC/FF/1519         Due Date of Calibration         SSEC/FF/1519         Method         Init         IS:5182 (PART 4):2019         mg/m³         IS:5182 (PART 2):2017	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,         Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)         WORKZONE AIR QUALITY MONITORING RESULTS         Sampling Location         Sampling Location         Sampling Time         Total         12:30 PM.         Metrological Data/Environmental Conditions         30.0         Wet Bulb Temperature °C         20         30.0         Wet Bulb Temperature °C         200         30.0         Wet Bulb Temperature °C         20         30.0         Relative Humidity % RH         39         Sample Receipt Date         Analysis Start Date         Method         Unit       NAAQ <t< td=""></t<>

\*\*\*END OF REPORT

**Terms and conditions** 

- The report is refer only to the sample tested and not applies to the bulk. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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. 4.

5. 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. Tourners (Manager)

6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

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



> 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 F	REPORT					
Test Report No: -	GESEC/AAQM/2022-23/03/248		Report Date	20/03/	/2022		
Sample ID: -	GESEC/AAQM/2022-23/03/	248	Report Date	20/03/	2023		
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana						
	Ambient Air	Sample Details					
Туре	Samplir	ng Location		Sampling	done by		
Ambient Air	Near	Vain Gate		GESE	EC		
	Sampli	ng Time					
Start Time	Sto	p Time		Total	Hrs.		
10:45 AM.	11:45 AM.			60 Min			
	Metrological Data/En	vironmental Cond	ditions				
Ambient Temperature °C	26.0	Wet Bulb Temperature °C		16.0			
Dry Bulb Temperature °C	26.0	Relative Humidity % RH		34.1			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis E	nd Date		
14/03/2023	16/03/2023	16/03/2023		20/03/2023			
Name of Instrument	High Volume Sampler	Date Of Calibration		High Volume Sampler Date Of Calibrati		19/10/	2022
Calibration Certificate No.	SSEC/FF/1528	Due Date of	Calibration	18/10/	2023		
Parameters	Method		Unit	NAAQ Standards	Result		
Particulate Matter (PM10)	IS:5182 (PART 4):	2019	μg/cum	100.00	61.86		
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24)		μg/cum	60.00	20.90		
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):	2017	μg/cum	80.00	13.75		
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):	2018	μg/cum	80.00	20.40		

NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.



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

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



> 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 R	EPORT			
Test Report No: -	GESEC/AAQM/2022-23/03/249		Bonort Data	20/03/2023	
Sample ID: -	GESEC/AAQM/2022-23/03/2	Report Date		20/03/	2023
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana				
3.	Ambient Air S	ample Details			
Туре	Samplin	g Location		Sampling	done by
Ambient Air	Nea	nr ETP		GESI	EC
	Samplir	ng Time			
Start Time	Stop	Time		Total	Hrs.
10:55 AM.	11:5	5 AM.		60 M	in
	Metrological Data/Env	ironmental Condi	tions		
Ambient Temperature °C	26.0	Wet Bulb Temperature °C		16.0	
Dry Bulb Temperature °C	26.0	Relative Humidity % RH		34.1	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis E	nd Date
14/03/2023	16/03/2023	16/03/2023		20/03/2023	
Name of Instrument	Respirable Dust Sampler	Date Of Ca	libration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1525	Due Date of	and the second second second second	18/10/	2023
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	2019	µg/cum	100.00	58.33
Particulate Matter (PM2.5)	IS:5182 (PART 24):	2019	µg/cum	60.00	17.65
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	2017	µg/cum	80.00	11.02
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):2	2018	µg/cum	80.00	16.89

GREEN ENLINO Enginee

a q

Consultant Pvt.

ú

Hande.

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

#### Terms and conditions

The report is refer only to the sample tested and not applies to the bulk. 1.

/ PCI - I, New Delhi, the 18th November 2009.

- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



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	•2				
Test Report No: -	GESEC/AAQM/2022-23/03/250	Report Date	20/03/2023			
Sample ID: -	GESEC/AAQM/2022-23/03/250		Report Date	20/03/20	525	
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Hupari-Yalgud, Tal: Hatkanangale,			na Ltd.,		
	Ambient Air Sample	Details			_	
Туре	Sampling Lo	and some the second		Sampling do	one by	
Ambient Air	Near Cane			GESEC	2	
	Sampling Tim	e				
Start Time	Stop Time			Total Hrs.		
11:10 AM.	12:10 PM.			60 Min		
	Metrological Data/Environm	ental Conditions				
Ambient Temperature <sup>oC</sup>	27.0	Wet Bulb Temperature °C		16.0		
Dry Bulb Temperature <sup>oC</sup>	27.0	<b>Relative Humidity % RH</b>		30.3		
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis En	d Date	
14/03/2023	16/03/2023	16/03/2023		20/03/2023		
Name Of Instrument	High Volume Combined Sampler	Date Of Calibration		19/10/2022		
Calibration Certificate No.	SSEC/FF/1526	Due Date of Calibration		18/10/20		
Parameters	Method		Unit	NAAQ Standards	Result	
Particulate Matter (PM10)	IS:5182 (PART 4):2019	)	µg/cum	100.00	63.36	
Particulate Matter (PM <sub>2.5</sub> )	IS:5182 (PART 24):201	9	µg/cum	60.00	21.86	
Sulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2017	7	µg/cum	80.00	15.41	
Oxides of Nitrogen(NOx)	IS:5182 (PART 6):2018	3	µg/cum	80.00	22.78	

#### 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.



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

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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 REPOR	RT			
Test Report No	GESEC/ST/2022-23/03/251	Report Date		20/03/2023	
Sample ID -	GESEC/ST/2022-23/03/251				
	BAZe Kellennen Andelen			Washkasa	
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana				Lta.,
	Sample Deta	ails			
Sample collection Date	Sample receipt Date	Analysis star	t Date	Analysi	s complete Date
14/03/2023	16/03/2023	16/03/20	2	0/03/2023	
	Instrument De	etails			
Name Of Instrument	Stack Monitoring Kit	Date Of Calib	oration	17/10/2022	
Calibration Certificate No.	SEC/TH/57	Due Date of Ca	libration	16/10/2023	
	Stack Detai	ls			
Stack No/ID	Stack At	tached to		Sam	oling done by
01	Stack 1 (9	00+20 TPH)			GESEC
Shape	Round	Fuel Use	ed		Bagasse
Diameter/ Dimensions ( m)	4.73	Pressur	e		3.00
Height (m)		75			
Temperature ( <sup>o</sup> C)	135	Velocity (r	n/s)		6.64
Gas Volume (Nm <sup>3</sup> /Hr)		307279.7	79		
Parameters	Method	Unit	Limi	•	Result
Suspended Particulate Matter (SPM)			150	-	38.33
ulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 1) 2019	mg/Nm <sup>3</sup>	150		15.41
	IS 11255 (Part 2) 2019	mg/Nm <sup>3</sup> Kg/day	-		113.64
Remarks-					

Maharashtra Pollution Control Board (MPCB) Limits: SO2: As per consent.

GREENEN Engineer IRO \*\*\*END OF REPORTSUITANT PVI. LID 7 っ

Mr. Vinod Hande (Technical Manager)

Reviewed & Authorized By

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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	ſ			
Test Report No	GESEC/ST/2022-23/03/252		Report Date	20/03/2023	
Sample ID -	GESEC/ST/2022-23/03/252				
Name & Address of the Customer	M/s. Kallappanna Awade Jaw Hupari-Yalgud, Tal: Hatkanar	vahar Shetkari Sah ngale, Dist: Kolhap	akari Sakhar ur (Maharasl	Karkhana l htra)	.td.,
8	Sample Detai	ls			
Sample collection Date	Sample receipt Date	Analysis star	t Date	Analysis	complete Dat
14/03/2023	16/03/2023	16/03/20	)23	20,	/03/2023
	Instrument Det	ails			
Name Of Instrument	Stack Monitoring Kit	Date Of Calibration		17/10/2022	
Calibration Certificate No.	SEC/TH/57	Due Date of Ca	libration	16/10/2023	
	Stack Detail	s			
Stack No/ID	Stack At	tached to		Samp	ling done by
01	Stack 2	(75 TPH)		1	GESEC
Shape	Round	Fuel Us	ed	Bagasse	
Diameter/ Dimensions ( m)	2.5	Pressu	re		4.00
Height (m)		72			
Temperature ( <sup>o</sup> C)	130	Velocity (	m/s)		7.62
Gas Volume (Nm <sup>3</sup> /Hr)		99732.9	5		
Parameters	Method	Unit	Lim	nit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm <sup>3</sup>	15	0	35.63
Sulphur Dioxide (SO2)	IS 11255 (Dart 2) 2010	mg/Nm <sup>3</sup>	-		12.47
	IS 11255 (Part 2) 2019	Kg/day	-		29.85

GREENE Engineers . \*\*\*\*END OF REPORT

Jance

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

#### Terms and conditions

2.

- 1. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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 REP	ORT			
Test Report No: -	GESEC/ANLM/2022-23/03/2	53	Report Date	20/03/2023	
Sample ID: -	GESEC/ANLM/2022-23/03/2	53	Report Date	20/03/2023	
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana			a Ltd.,	
	Ambient Noise Sa	mple Details			
Туре	Ambient Noise				
Sampling done by	GESEC				
Standard method	As Per IS: 9989:2020				
Date of Sampling	Sample Receipt Date	Analysis	Analysis End Date		
14/03/2023	-				
Name Of Instrument	Digital Sound Level Meter	Date Of (	Calibration	17/10/2022	
Calibration Certificate No.	SSEC/ME/266	Due Date o	f Calibration	16/10/2023	
		Average Noise Level Readings		CPCB Standards dB(A)	
Test Location	Unit	Day (01:10 P.M.)	Night (10:30 P.M.)		
Near Main Gate	dB(A)	59.4	57.1	During Day time =	
Near ETP	dB(A)	63.9	60.5	75 dB (A)	
Near Bagasse Section	dB(A)	68.2	67.4	During Night time=	
Near Sugar Godown	dB(A)	64.5	62.9	- 70 dB(A)	
	dB(A)	68.0	70 UD(A)		

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.

GREENEN '9ineers Sos \*END OF REPORTONSUITant Pvt. Lto

10:00 Mr. Vinod Hande

(Technical Manager) Reviewed & Authorized By

#### Terms and conditions

2.

- 1. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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

	TES	T REPORT					
Test Report No: -	GESEC/WNLM/2022-23/	Benert Date	20/02/2022				
Sample ID: -	GESEC/WNLM/2022-23/	/03/254	Report Date	20/03/2023			
	A						
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,						
Hame & Hauress of the customer	Hupari-Yalgud, Tal: Hat	kanangale, Dist: Kolh	apur (Maharashtra)				
		ise Sample Details					
Туре	Work Zone Noise						
Sampling done by	GESEC	GESEC					
Standard method	As Per IS: 9989:2020						
Date of Samuling	Comula Dessint Data	Australia	Charle Date	Analysis End Date			
Date of Sampling	Sample Receipt Date	Sample Receipt Date Analysis Start Date					
14/03/2023				) <b>***</b>			
Name of Instrument	Sound Level Meter	Level Meter Date of Calibration		07/10/2022			
Calibration Certificate No.	SSEC/ME/259	Due Date	of Calibration	06/10/2023			
		Average Noise Level Readings					
Test Location	Unit	Day	Night	<ul> <li>The Factories Act 1948 standards</li> </ul>			
		(02:00 P.M.)	(11:15 P.M.)				
Centrifugal Section	dB(A)	78.9	77.0				
urbine Section	dB(A)	85.7	82.2				
3oiler Section	dB(A)	86.0	84.7	≤ 90			
Vill Section	dB(A)	82.5	80.9				
			-				

- Mill Section Pan Section
- Remark-

A The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure.

dB(A)

P All above results are within Factories Act 1948 Standards.

IRO \*\*\*END OF REPORT Consultant Pvt. Ltd

84.3

GREEN

81.3

100000

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

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
  - The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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/WW/2022-23/03/255	Report Date		20/03/2023
Sample ID : GESEC/WW/2022-23/03/255	03/255 Sample Details		ETP Inlet
	Type of Sam	ole	Waste Water
Name & Address of the Customer:	Volume Of S	ample	1 Lit plastic bottle
	Sample Statu	IS	Sealed
M/s. Kallappanna Awade Jawahar Shetkari	Sample Colle	cted By	GESEC
Sahakari Sakhar Karkhana Ltd.,	Date of Sam	ole Collection	14/03/2023
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur	Sample Rece	ipt Date	16/03/2023
(Maharashtra)	Analysis star	t Date	16/03/2023
	Analysis End	Date	20/03/2023

Parameters	Results	Unit	Standard Method
рН	3.43		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	164.78	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
Total Dissolved Solids (TDS)	3562.91	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	2514.79	mg/lit	IS 3025 (Part 58), 2019
Biochemical Oxygen Demand (BOD)	1136.10	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	725.96	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO4	854.77	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	13.00	mg/lit	IS 3025 (Part 39), 2019

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

GREEN ENLIN m \*\*\*END OF REPORT 519 Consultant Pvt

Terms and conditions

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.

MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

<sup>5.</sup> 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.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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/WW/2022-23/03/256	Report Date	20/03/2023	
Sample ID : GESEC/WW/2022-23/03/256	Sample Details	ETP Outlet	
	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
Name & Address of the Customer:	Sample Status	Sealed	
M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,	Sample Collected By	GESEC	
Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur	Date of Sample Collection	14/03/2023	
(Maharashtra)	Sample Receipt Date	16/03/2023	
(mana ashta)	Analysis start Date	16/03/2023	
	Analysis End Date	20/03/2023	

Parameters	Results	MPCB LIMIT	Unit	Standard Method
рН	7.63	6.5-8.5		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	19.02	100	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017
Total Dissolved Solids (TDS)	632.47	2100	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	68.77	250	mg/lit	IS 3025 (Part 58), 2019
Biochemical Oxygen Demand (BOD)	25.01	100	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	95.68	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO4	76.40	1000	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 39), 2019

**Remark:** 

D

BDL - Below Detectable Limit.

> All parameters are within the MPCB limit.

GREEN EN Engineers

ROSA

Nontro

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

\*\*\* END OF REPORT \*# Mant Put. L

C

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
  - 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. 3.
- 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. 4.
- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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/WW/2022-23/03/257 Report Date		20/03/2023
Sample ID : GESEC/WW/2022-23/03/257	Sample Details	Factory STP Inlet 50 KLPD
	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
Name & Address of the Customer:	Sample Status	Sealed
M/s. Kallappanna Awade Jawahar Shetkari Sabakari Sakhar Karkhana Itd	Sample Collected By	GESEC
Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur	Date of Sample Collection	14/03/2023
(Maharashtra)	Sample Receipt Date	16/03/2023
(manarashtra)	Analysis start Date	16/03/2023
	Analysis End Date	20/03/2023

Parameters	Results	Unit	Standard Method
рН	6.26		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	135.74	mg/lit	APHA 2540 D 23rd ED:2017
Total Dissolved Solids (TDS)	1309.87	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	166.98	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	95.74	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl <sup>-</sup>	362.10	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO4	251.47	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	mg/lit	IS 3025 (Part 39), 2019

Remark:

BDL – Below Detectable Limit.

All parameters are within the MPCB limit.

GREEN EN ROS. neers \*\*\*END OF BEPORT Sultant Pvt

Aardin Mr. Vinod Hande (Technical Manager)

(Technical Manager) Reviewed & Authorized By

#### Terms and conditions

2.

- 1. 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.
- 3. 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.
- 4. 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.
- 5. 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.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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

	TE	ST REPORT	1		
Test Report No: GESEC/WW/2022-23	/03/258	Report Date	e	20/03/2023	
Sample ID : GESEC/WW/2022-23/03/	258	Sample Det	ails	Factory STP Outlet 50 KLPD	
		Type of San	nple	Waste Water	
	Volume Of	Sample	1 Lit plastic bottle		
Name & Address of the Customer:	Sample Stat	tus	Sealed		
M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Sample Coll	lected By	GESEC	
		Date of San	nple Collect	tion 14/03/2023	
		Sample Receipt Date		16/03/2023	
ant de			rt Date	16/03/2023	
	Analysis End Date		20/03/2023		
Parameters	Results	MPCB LIMIT	Unit	Standard Method	
рН	7.58	6.5-8.5		APHA 4500 H+,B 23rd Edition.201	
Suspended Solids (SS)	16.71	100	mg/lit	APHA 2540 D 23rd ED:2017	
Total Dissolved Solids (TDS)	532.40	2100	mg/lit	APHA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	44.63	250	mg/lit	IS 3025 (Part 58), 2019	
Biochemical Oxygen Demand (BOD)	17.94	100	mg/lit	IS 3025 (Part 44), 2019	
	87.63	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 201	
Chlorides as Cl <sup>-</sup>	Distante estat			APHA 3025 (Part 24) ;2019	
Chlorides as Cl <sup>-</sup> Sulphates as SO <sub>4</sub> <sup></sup>	58.10	1000	mg/lit	APHA 3025 (Part 24) ;2019	

BDL – Below Detectable Limit.

All parameters are within the MPCB limit.

GREEN Engineers NIROL \*\*\*END OF REP ORT onsultant Pvt. Ltd 2

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

land

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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

TES	TREPORT		
Test Report No: GESEC/WW/2022-23/03/259	Report Date	20/03/2023	
Sample ID : GESEC/WW/2022-23/03/259	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	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	14/03/2023	
(Maharashtra)	Sample Receipt Date	16/03/2023	
	Analysis start Date	16/03/2023	
	Analysis End Date	20/03/2023	

Parameters	Results	Unit	Standard Method	
pН	6.12		APHA 4500 H+,B 23rd Edition.20	
Suspended Solids (SS)	117.42	mg/lit	APHA 2540 D 23 <sup>rd</sup> ED:2017	
Total Dissolved Solids (TDS)	1356.19	mg/lit	APHA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	191.41	mg/lit	IS 3025 (Part 58) , 2019	
Biochemical Oxygen Demand (BOD)	102.47	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as Cl-	215.96	mg/lit	APHA 4500 Cl- B,23rd Edition, 201	
Sulphates as SO <sub>4</sub>	174.50	mg/lit	APHA 3025 (Part 24) ;2019	
Oil & Grease	BDL	mg/lit	IS 3025 (Part 39), 2019	

#### Remark:

× BDL - Below Detectable Limit. >

All parameters are within the MPCB limit.

Engineers IROS. \*\*\*END OF REPORT\*\* Sultant Pvt.

GREENEN

Mr. Vinod Hande

(Technical Manager) **Reviewed & Authorized By** 

#### Terms and conditions

1.

2. 3.

4.

- 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.
- 5. 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. 6.
  - MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV. Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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

	TES	ST REPORT				
Test Report No: GESEC/WW/2022-23/03/260		Report Date			20/03/2023	
Sample ID : GESEC/WW/2022-23/03/2	60	Sample Det	ails		Colony STP Outlet 100 KLPD	
	Type of Sample Volume Of Sample			Waste Water		
				1 Lit plastic bottle		
Name & Address of the Customer:	Sample Stat	us		Sealed		
M/s. Kallappanna Awade Jawahar She Sabakari Sakhar Karkhana Itd	Sample Collected By Date of Sample Collection Sample Receipt Date			GESEC 14/03/2023 16/03/2023		
Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)						
						(Manarashtra)
Analysis End Date		d Date		20/03/2023		
Parameters	Results	MPCB LIMIT	Unit		Standard Method	
рН	7.48	6.5-8.5		APHA 4500 H+,B 23rd Edition.20		
Suspended Solids (SS)	16.09	100	mg/lit		APHA 2540 D 23rd ED:2017	
Total Dissolved Solids (TDS)	611.84	2100	mg/lit	A	PHA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	48.73	250	mg/lit		IS 3025 (Part 58), 2019	
Biochemical Oxygen Demand (BOD)	19.50	100	mg/lit		IS 3025 (Part 44), 2019	
Chlorides as Cl <sup>-</sup>	102.69	600	mg/lit	APH	HA 4500 Cl- B,23rd Edition, 201	
Sulphates as SO4	82.31	1000	mg/lit		APHA 3025 (Part 24) ;2019	
Oil & Grease	BDL	10	mg/lit		IS 3025 (Part 39), 2019	

**Remark:** 

BDL - Below Detectable Limit. Þ

> All parameters are within the MPCB limit.

GREEN ENLIROSA Engineers \*\*\*END OF REPORT

100000 Mr. Vinod Hande (Technical Manager) **Reviewed & Authorized By** 

- The report is refer only to the sample tested and not applies to the bulk. 1.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 2.
- 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. 3.

- 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 5. or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.

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. 4.



## 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

		REPORT			
Test Report No: -	GESEC/WZM/2022-23/03/2		Demont Det		
Sample ID: -	GESEC/WZM/2022-23/03/261 Report Date		20/03/202	23	
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana	wahar Shetkari Sa angale, Dist: Kolha	ahakari Sakhar I apur (Maharash	Karkhana Ltd., tra)	
	WORKZONE AIR QUALIT	Y MONITORING P	RESULTS		
Туре		ng Location		Sampling	done by
Ambient Air		Section		GES	
	Sampli	ng Time		010	
Start Time	Sto	p Time		Total Hrs.	
11:20 AM.	12:	20 PM.	П	60 Min	
	Metrological Data/Env	/ironmental Cond	itions		
Ambient Temperature <sup>oC</sup>	32.0 Wet Bulb Temperature °C			12.0	
Dry Bulb Temperature <sup>oC</sup>	32.0	Relative Hun	nidity % RH	32.	0
Data of Consultan					
Date of Sampling	Sample Receipt Date	Analysis St		Analysis E	ind Date
14/03/2023	16/03/2023	16/03/	2023	20/03/	2023
Name of Instrument	Handy Sampler	Date of Ca	libration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1517	Due Date of		18/10/	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2	2019	mg/m <sup>3</sup>	10	0.487
ulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2	2017	mg/m <sup>3</sup>	5	0.010
Dxides of Nitrogen(NO <sub>x</sub> )			mg/m <sup>3</sup>	6	0.013

GREEN \*\*\*END OF REPORTATION

ENVIBOSAA

PUNE

Ltd

Pvf.

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

2MM2'

- 1 The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 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. 5.
- 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



## 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

ESEC/WZM/2022-23/03/26		Report Date		
FSFC/W/7M/2022-23/03/20	2011	- Donort Dato	20/02/2002	
GESEC/WZM/2022-23/03/262		Report Date	20/03/202	3
1/s. Kallappanna Awade Jav lupari-Yalgud, Tal: Hatkana	wahar Shetkari S angale, Dist: Kolh	ahakari Sakhar K apur (Maharash	arkhana Ltd., tra)	
WORKZONE AIR QUALIT	Y MONITORING	RESULTS		
Samplin	ng Location		Sampling wa	s donee by
Sampli	ing Time	_		
		Total Hrs.		
		60 Min		
Metrological Data/Env	vironmental Con	ditions		
32.0 Wet Bulb Temperature °C		12.0		
32.0	Relative Humidity % RH		32.0	
Sample Receipt Date	Analysis S	tart Date	Analysis F	nd Date
16/03/2023			20/03/2023	
Personal Sampler	Data of C	lihustisa	10/10/	
	Due Date of	canoration	10/10/	2025
Method		Unit	NAAQ Standards	Result
IS:5182 (PART 4):2	2019	mg/m <sup>3</sup>	10	0.374
IS:5182 (PART 2):2	2017	mg/m <sup>3</sup>	5	0.007
IS:5182 (PART 6):2	2018	mg/m <sup>3</sup>	6	0.012
	Hupari-Yalgud, Tal: Hatkana WORKZONE AIR QUALIT Samplir Suga Sampli Sto 12: Metrological Data/En 32.0 32.0 Sample Receipt Date 16/03/2023 Personal Sampler SSEC/FF/1519 Method IS:5182 (PART 4): IS:5182 (PART 2):	Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolh         WORKZONE AIR QUALITY MONITORING         Sampling Location         Sugar House         Sampling Location         Sugar House         Sampling Time         Stop Time         12:30 PM.         Metrological Data/Environmental Constant         32.0         Wet Bulb Ter         32.0         Sample Receipt Date         Analysis S         16/03/2023       16/03,         Personal Sampler       Date of Ca         SSEC/FF/1519       Due Date of	Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashi         WORKZONE AIR QUALITY MONITORING RESULTS         Sampling Location         Sugar House         Sampling Time         Stop Time         12:30 PM.         Metrological Data/Environmental Conditions         32.0         Wet Bulb Temperature °C         32.0         Sample Receipt Date         Analysis Start Date         16/03/2023         Personal Sampler         Date of Calibration         SSEC/FF/1519         Unit         IS:5182 (PART 4):2019         mg/m³         IS:5182 (PART 2):2017	Sampling LocationSampling was Sugar HouseSampling was GESSampling TimeGESStop TimeTotal 12:30 PM.12:30 PM.60 NMetrological Data/Environmental Conditions60 N32.0Wet Bulb Temperature °C32.0Relative Humidity % RH32.0Relative Humidity % RH32.016/03/202320/03/16/03/2023Personal SamplerDate of CalibrationPersonal SamplerDue Date of CalibrationMethodUnitMethodNAAQ StandardsIS:5182 (PART 4):2019mg/m³1S:5182 (PART 2):2017mg/m³

ENVIROSAA GREEN PUNE \*\*\*END OF REPORT ers & Consul

Ltd

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

- The report is refer only to the sample tested and not applies to the bulk. 1. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3.
- 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. 4.
- 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. 5.
- 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

Annexure – XII Monitoring Report (Downwind –Upwind)



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666

s & Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

#### 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 R	EPORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23	/01/797	Report Date	01/02/202	3
Sample ID: -	GESEC/PRO/AAQM/2022-23	Report Date	01/02/202	5	
Name & Address of the Customer	M/s. Kallappanna Awade Jav Hupari-Yalgud, Tal: Hatkana				
	Ambient Air S	ample Details			
Туре	Samplin	Sampling	done by		
Ambient Air		ge (Upwind West	t)	GESI	EC
		ng Time			
Start Time		p Time		Total	Hrs.
08:00 AM.		00 AM.		60 M	lin
	Metrological Data/Env		ditions		
Ambient Temperature °C	22.0		mperature °C	17.0	
Dry Bulb Temperature °C	22.0	Relative Humidity % RH		61.0	
Date of Sampling	Sample Receipt Date	Analysis	Start Date	Analysis End Date	
25/01/2023	27/01/2023	28/01/2023		01/02/2023	
Name of Instrument	High Volume Sampler	Date Of C	alibration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1528			18/10/2023	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):	2019	µg/cum	100.00	56.13
Sulphur Dioxide (SO2)	IS:5182 (PART 2):	2017	μg/cum	80.00	10.74
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):	2018	µg/cum	80.00	14.29
Remark ▶ NAAQS - National Amb / PCI – I, New Delhi, the 18th No	ient Air Quality Standards, Cent ovember 2009.	SREEN.	ENVIPOS ENVIPOS PUNE	cation, No. B - 29	
		Engineers	PUNE FE BI	A DESCRIPTION OF THE REAL OF T	Vinod Hand ical Manage

\*\*\*END OF REPORT\*\*\* Consultant

- **Terms and conditions**
- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



VIROSA

A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 onsultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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 RE	PORT			
Test Report No: -	GESEC/PRO/AAQM/2022-23/	01/798	Report Date	01/02/2023	3
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/798		Report Dute		
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar K Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharash			arkhana Ltd., ra)	
	Ambient Air Sa	mple Details			
Туре		Location		Sampling	lone by
Ambient Air	Jangamwadi Villag		st)	GESE	C
Allivent All	Samplin				
Start Time		Time		Total I	Hrs.
09:00 AM.		0 AM.		60 M	in
03.007.000	Metrological Data/Envi	ronmental Cond	litions		
Ambient Temperature °C	24.0			18.0	
Dry Bulb Temperature °C	24.0	24.0 Relative Humidity % RH		56.0	
Date of Sampling	Sample Receipt Date	Sample Receipt Date Analysis Start Date		Analysis End Date	
25/01/2023	27/01/2023			01/02/2023	
Name of Instrument	Respirable Dust Sampler	Date Of C	alibration	19/10/	2022
Calibration Certificate No.	SSEC/FF/1525		Calibration		
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM10)	IS:5182 (PART 4):2	2019	µg/cum	100.00	58.66
	IS:5182 (PART 2):2		µg/cum	80.00	12.47
	IS:5182 (PART 6):2	2018	µg/cum	80.00	16.01
Sulphur Dioxide (SO <sub>2</sub> ) Oxides of Nitrogen(NO <sub>x</sub> ) Remark	IS:5182 (PART 2):2 IS:5182 (PART 6):2 Dient Air Quality Standards, Centr	2017 2018	μg/cum μg/cum trol Board Notifie	80.00	16

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

onsultant PV \*\*\*END OF REPORT\*

- 1. 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. 2.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of 3. 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 4. 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 5. by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.

Annexure – XIII Monitoring Report Fugitive Emission



consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

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/WZM/2022-23/02/6	51		02/02/2022	
Sample ID: -	GESEC/WZM/2022-23/02/651		Report Date	03/03/202	23
Name & Address of the Customer	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana				
	WORKZONE AIR QUALIT		RESULTS		
Туре		ng Location		Sampling	done by
Ambient Air		Section		GES	
	Sampli	ing Time			
Start Time		p Time		Total	Hrs.
11:20 AM.		20 PM.		60 N	
	Metrological Data/Env		litions	2011	
Ambient Temperature °C	30.0	Wet Bulb Temperature °C		20.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH		39.0	
Date of Sampling	Sample Receipt Date	Analysis S	tart Date	Analysis E	ind Date
24/02/2023	25/02/2023	27/02/2023		03/03/2023	
Name of Instrument	Handy Sampler	Date of Ca	libration	10/10/	2022
Calibration Certificate No.	SSEC/FF/1517	Due Date of	and the second	19/10/2022 18/10/2023	
	3320/11/131/	Due Date Of	calibration	10/10/	2023
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):	2019	mg/m <sup>3</sup>	10	0.529
ulphur Dioxide (SO₂)	IS:5182 (PART 2):	2017	mg/m <sup>3</sup>	5	0.009
Oxides of Nitrogen(NO <sub>x</sub> )	IS:5182 (PART 6):	2018	mg/m <sup>3</sup>	6	0.012
Note: NAAQS - National Amb PCI – I, New Delhi, the 18th No	ient Air Quality Standards, Cent ovember 2009.	ral Pollution Contr		ation, No. B - 29 hand:	016 / 20 / 9

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

\*\*\*END OF REPORT

Engi

FE

Pd:

PUNE

- 1. The report is refer only to the sample tested and not applies to the bulk.
- 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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.
- 4. 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.
- 5. 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.
- 6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, REEN ENVIROSAFE Dist. Pune-410501. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 Consultant Pvt Ltd. E-mail : environsafetyeng@gmail.com, gesec12@gmail.com | www.greenenvirosafe.co.in

### 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

1631	REPORT			
GESEC/WZM/2022-23/02/6	52		02/02/2022	
GESEC/WZM/2022-23/02/652		Report Date	03/03/2023	
WORKZONE AIR QUALI	TY MONITORING	RESULTS		
			Sampling wa	as donee by
Suga	ar House			
			Total	Hrs.
12:	30 PM.		60 Min	
Metrological Data/En	vironmental Con	ditions		
30.0			20.0	
30.0	Relative Humidity % RH		39.0	
Sample Receipt Date Analysis Start Date		Analysis End Date		
25/02/2023			03/03/2023	
Personal Sampler	Date of C	alibration	19/10/	/2022
SSEC/FF/1519			18/10/2023	
Method		Unit	NAAQ Standards	Result
IS:5182 (PART 4):	2019	mg/m <sup>3</sup>	10	0.391
IS:5182 (PART 2):	2017	mg/m <sup>3</sup>	5	0.008
IS:5182 (PART 6)::	2018	mg/m <sup>3</sup>	6	0.014
	M/s. Kallappanna Awade Ja Hupari-Yalgud, Tal: Hatkana WORKZONE AIR QUALI Samplin Suga Sample Sto 12: Metrological Data/En 30.0 30.0 Sample Receipt Date 25/02/2023 Personal Sampler SSEC/FF/1519 Method IS:5182 (PART 4): IS:5182 (PART 2):	M/s. Kallappanna Awade Jawahar Shetkari S Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolf WORKZONE AIR QUALITY MONITORING Sampling Location Sugar House Sampling Time 12:30 PM. Metrological Data/Environmental Con 30.0 Wet Bulb Te 30.0 Relative Hu Sample Receipt Date Analysis S 25/02/2023 27/02 Personal Sampler Date of C SSEC/FF/1519 Due Date of Method IS:5182 (PART 4):2019 IS:5182 (PART 2):2017	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharash         WORKZONE AIR QUALITY MONITORING RESULTS         Sampling Location         Sugar House         Sampling Time         Stop Time         12:30 PM.         Metrological Data/Environmental Conditions         30.0         Wet Bulb Temperature °C         30.0         Metrological Data/Environmental Conditions         30.0         Wet Bulb Temperature °C         30.0         Personal Sampler         Date of Calibration         SSEC/FF/1519         Due Date of Calibration         SSEC/FF/1519         Method         Init         IS:5182 (PART 4):2019         mg/m³         IS:5182 (PART 2):2017	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,         Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)         WORKZONE AIR QUALITY MONITORING RESULTS         Sampling Location         Sampling Location         Sampling Time         Total         12:30 PM.         Metrological Data/Environmental Conditions         30.0         Wet Bulb Temperature °C         20         30.0         Wet Bulb Temperature °C         200         30.0         Wet Bulb Temperature °C         20         30.0         Relative Humidity % RH         39         Sample Receipt Date         Analysis Start Date         Method         Unit       NAAQ <t< td=""></t<>

\*\*\*END OF REPORT

**Terms and conditions** 

- The report is refer only to the sample tested and not applies to the bulk. 2.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- 3. 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. 4.

5. 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. Tourners (Manager)

6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

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

Annexure – XIV Ack.copy of Submission Of EC Local body

## जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

श्री कल्लाप्पाण्णा 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/ ठूने /२०२०-२१

(/92/2020 दि.०५

O/c

प्रति,

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

विषय- एन्व्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

महोदय,

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

आपले माहिती करीता सादर.

कळावे,

J.

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

(म.गो.जोशी)

कार्यकारी संचालक

A

सोबत- इन्व्हीरॉनमेंटल क्लिरन्सचे पत्र.

गामपंचापत है 3120 ti 960 100 120 20 ग्रामपदावत रदाळ स्थापना ७/१२/१९५२ লা, মানচাগ लगति जि.

## जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

श्री कल्लाप्पाण्णा 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/ॣ\_४२९ /२०२०-२१

दि.04/9२/२०२०

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

विषय- एन्व्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

M.M

महोदय,

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

आपले माहिती करीता सादर.

कळावे,

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

सोबत- इन्व्हीरॉनमेंटल क्लिरन्सचे पत्र.



## जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

श्री कल्लाप्पाण्णा 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/ि८९२२ /२०२०-२१

दि.04 /१२/२०२०

प्रति,

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

विषय- एन्व्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

महोदय,

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

MIDARY

आपले माहिती करीता सादर.

कळावे,

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

सोबत- इन्व्हीरॉनमेंटल क्लिरन्सचे पत्र.

हुपरी नगरपरिषद हुपरी आवक क. - 2364/202429 दि. ५ / १२ / २०२०

SC

## REGISTERED A. D.

OC

## जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

श्री कल्लाप्पाण्णा 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/رَرْمَ /२०२०-२१ दि.८५/ /१२/२०२०

प्रति, मा. मुख्य कार्यकारी अधिकारी, जिल्हा परिषद, नागाळा पार्क, कोल्हापूर.

## विषय- एन्व्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

महोदय,

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

आपले माहिती करीता सादर.

कळावे,

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

सोबत- इन्व्हीरॉनमेंटल क्लिरन्सचे पत्र.

Annexure – XV Ack.copy of Six Monthly Compliance Report



Submission of Six monthly compliance report w.r.t M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari for period April,2022 To September ,2022 sent successfully to eccompliance-mh@gov.in and 2 others

1 message

WeTransfer <noreply@wetransfer.com> To: kprjsssk@gmail.com

Thu, Nov 24, 2022 at 4:55 PM



Submission of Six monthly compliance report w.r.t M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari for period April,2022 To September ,2022 sent to eccompliance-mh@gov.in and 2 others

1 item, 112 MB in total • Expires on 1 December, 2022

Thanks for using WeTransfer. We'll email you a confirmation as soon as your files have been downloaded.

## Recipients

eccompliance-mh@gov.in bksharma.cpcb@nic.in mpcbmumbai@mpcb.gov.in

## Download link

https://we.tl/t-MmoHkJn43Z

## 1 item

Annexure\_16000 TCD Six Monthly Compliance report Folder • 18 items

## Message

Dear Sir,

This has reference to Submission of Six Monthly Environment Compliance report for the period April 2022 to September 2022 w.r.t M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari (JSSSKL) located at Kallappanna Awadenagar, Hupari-Yalgud, Tal.:Hatkanangale, Dist.: Kolhapur, Maharashtra State

Accordingly, attached herewith please find the Compliance report and regarding Annexure

1)A Report on Compliance of Conditions in the Environmental Clearance (EC) issued by MoEFCC; New Delhi for Expansion of Sugar Factory from 12,000 TCD to 16,000 TCD (Expansion by 4000 TCD)

To make sure our emails arrive, please add noreply@wetransfer.com to your contacts.

## Get more out of WeTransfer, get Pro Legal

Help

About WeTransfer

Report this transfer as spam

Annexure – XVI Environment statement 2021-2022 (Form V) Maharashtra Pollution Control Board

Submitted Date

30-08-2022



महाराष्ट्र प्रदूषण नियंत्रण मंडळ

### FORM V (See Rule 14) Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number MPCB-ENVIRONMENT\_STATEMENT-0000044507

## PART A

### **Company Information**

Company Name Application UAN number Kaiiappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Address Hupari-Yalgud, Tal- Hatkanangale, Dist-Kolhapur (Maharashtra ), Pin-Code -416203. Plot no Taluka Village R.S.No. 315/7 to 315/15,925/9,1258 Hatkanangale Yalgud-Hupari Capital Investment (In lakhs) Scale City 34365.60 L.S.I Hupari Pincode Person Name Designation 416203 Manohar Gopal Joshi Managing Director **Telephone Number** Fax Number Email 02302450402 02302450401 kprjsssk@gmail.com Region Industry Category Industry Type Red R12 Sugar (excluding SRO-Satara Khandsari) Last Environmental statement **Consent Number Consent Issue Date** submitted online Format.1.0/CAC/UAN 2021-10-20 ves No.MPCBCONSENT-0000114836/CR-2110000919 **Consent Valid Upto** Establishment Year Date of last environment statement submitted 31/07/2022 1993 Jul 30 2021 12:00:00:000AM Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information			
Product Name	Consent Quantity	Actual Quantity	UOM
Sugar	351576.00	245552.00	MT/A
By-product Information			
by-product miormation			
By Product Name	Consent Quantity	Actual Quantity	UOM
	<b>Consent Quantity</b> 97280	<b>Actual Quantity</b> 79603	<i>UOM</i> МТ/А

Press Mud	97280	62220.00	MT/A
Electric power (co- Gen)	28.50	19.91	Mwh

## Part-B (Water & Raw Material Consumption)

Water Consumption for	Consent Quantity in m3/day	<b>Actual Quantity in m3/day</b> 30.00 100.00 308.00		
Process	31.00			
Cooling	100.00			
Domestic	328.00			
All others	00.00	00.00		
Total	459.00	438.00		
2) Effluent Generation in CMD / MLD				
Particulars INDUSTRIAL	<b>Consent Quantity</b> 1430	Actual Quantity 877	UOM CMD	
Domestic E?uent	125	120	CMD	
	125	120		
2) Product Wise Process Water Consu process water per unit of product)	Imption (cubic meter of			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM	
SUGAR	225163.00	245552.00	MT/A	
3) Raw Material Consumption (Consu	225163.00	-	MT/A	
3) Raw Material Consumption (Consu raw material per unit of product)	225163.00	245552.00		
3) Raw Material Consumption (Consu raw material per unit of product)	225163.00	-		
3) Raw Material Consumption (Consu raw material per unit of product) Name of Raw Materials	225163.00 mption of During the Previous financial	245552.00 During the current Financial	UOM	
3) Raw Material Consumption (Consu raw material per unit of product) Name of Raw Materials Sugarcane	225163.00 mption of During the Previous financial Year	245552.00 During the current Financial year	<b>UOM</b> Ton/Tor	
<b>3) Raw Material Consumption (Consu</b> raw material per unit of product) Name of Raw Materials Sugarcane Lime	225163.00 mption of During the Previous financial Year 8.236	245552.00 During the current Financial year 8.188		
3) Raw Material Consumption (Consu raw material per unit of product) Name of Raw Materials Sugarcane Lime O.P.Acid	225163.00 mption of During the Previous financial Year 8.236 0.0012	245552.00 During the current Financial year 8.188 0.0013	<b>UOM</b> Ton/Ton Ton/Ton	
3) Raw Material Consumption (Consu raw material per unit of product) Name of Raw Materials Sugarcane Lime O.P.Acid Sulphur	225163.00 mption of During the Previous financial Year 8.236 0.0012 0.000002	245552.00 <b>During the current Financial</b> <b>year</b> 8.188 0.0013 0.000003	<b>UOM</b> Ton/Ton Ton/Ton Ton/Ton	
3) Raw Material Consumption (Consu raw material per unit of product) Name of Raw Materials Sugarcane Lime O.P.Acid Sulphur Caustic Soda	225163.00 mption of During the Previous financial Year 8.236 0.0012 0.00002 0.00034	245552.00 During the current Financial year 8.188 0.0013 0.000003 0.0003	<b>UOM</b> Ton/Ton Ton/Ton Ton/Ton Ton/Ton	
3) Raw Material Consumption (Consure raw material per unit of product) Name of Raw Materials Sugarcane Lime O.P.Acid Sulphur Caustic Soda Phosphoric acid	225163.00 mption of Solution During the Previous financial Year 8.236 0.0012 0.00002 0.00002 0.00034 0.000032	245552.00 During the current Financial year 8.188 0.0013 0.000003 0.00003 0.0003 0.000025	<b>UOM</b> Ton/Ton Ton/Ton Ton/Ton Ton/Ton	
SUGAR 3) Raw Material Consumption (Consuraw material per unit of product) Name of Raw Materials Sugarcane Lime O.P.Acid Sulphur Caustic Soda Phosphoric acid Oil & Grease Bagasse	225163.00 mption of During the Previous financial Year 8.236 0.0012 0.00002 0.00002 0.000032 0.00000 0.00000	245552.00 During the current Financial year 8.188 0.0013 0.000003 0.00003 0.000025 0.00000	<b>UOM</b> Ton/Ton Ton/Ton Ton/Ton Ton/Ton Ton/Ton	
3) Raw Material Consumption (Consure raw material per unit of product) Name of Raw Materials Sugarcane Lime O.P.Acid Sulphur Caustic Soda Phosphoric acid Oil & Grease	225163.00 mption of During the Previous financial Year 8.236 0.0012 0.00002 0.00002 0.000032 0.0000027 0.147	245552.00 During the current Financial year 8.188 0.0013 0.000003 0.000003 0.0000025 0.00000 0.0000026 0.149	UOM Ton/Ton Ton/Ton Ton/Ton Ton/Ton Ton/Ton Ton/Ton	

## Part-C

[A] Water					
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	I
COD	55.25	63.01	25.25	250	(

**Reason** 00

BOD	19.72	22.49	22.49	100	00
TSS	17.91	20.43	20.43	100	00

#### [B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
SO2 - Boiler Stack 1	52.85	20.45	13.63	150	00
SPM- Boiler Stack 1	63.83	42.33	23.22	150	00
SPM- Boiler Stack 2	53.11	39.66	26.44	150	00
SO2 Boiler Stack 2	150.48	21.50	14.33	150	00

## Part-D

HAZARDOUS WASTES 1) From Process			
	Total During Previous Financial year	Total During Current Financial year	иом
5.1 Used or spent oil	2.73	3.57	KL/A
2) From Pollution Contr	ol Facilities		
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0		00	
0	00	00	MT/A

#### **SOLID WASTES** 1) From Process Non Hazardous Waste Type Total During Previous Financial year Total During Current Financial year UOM NA 00 00 MT/A 2) From Pollution Control Facilities Non Hazardous Waste Type **Total During Previous Financial year Total During Current Financial year** иом **Boiler Ash** 5314.00 4904.00 MT/A ETP Sludge 304.58 284 MT/A 3) Quantity Recycled or Re-utilized within the unit Waste Type **Total During Previous Total During Current** UOM Financial year Financial year 1.64 2.736 MT/A 5.1 Used or spent oil

### 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	<b>Qty of Hazardous Waste</b>
5.1 Used or spent oil	2.736

**UOM** Concentration of Hazardous Waste

MT/A Concentration in liquid form

2) Solid Waste

## 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)		Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
	0	0	0	0	0	0

### Part-H

[A] Investment made during the period of Environmental	1	
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	24.01

[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 69279 no. of trees are planted in and around the karkhana 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-0000044507

#### Submitted On:

30-08-2022

# Annexure – XVII Newspaper Advertisement



## जवाहर शेतकरी सहकारी साखर कारखाना लि.. हुपरी

श्री.कल्लाप्पाण्णा आवाडेनगर, हुपरी-यळगूड - ४१६२०३. ता.हातकणंगले, जि.व.ोल्हापूर (महाराड्र)

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

जवाहर कारखान्यास इन्वीरॉनमेंटल क्लिअरन्स प्राप्त

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी या कारखान्याने प्रस्तुतच्या ऊस गाळप क्षमतेचे प्रतिदिन १२००० मे.टनावरुन 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 अनुसरुन भारत सरकारचे पर्यावरण मंत्रालयाकडून कारखान्यास पत्र क्र. F.No.IA-J-11011/146/2020-IA II (I) दिनांक ०१ डिसेंबर, २०२० अन्वये इन्व्हीरॉनमेंटल क्लिरन्स मिळालेला आहे. सवरचा इन्व्हीरॉनमेंटल क्लिरन्स महाराष्ट्र प्रदुषण नियंत्रण मंडळ / समिती आणि पर्यावरण मंत्रालयाचे वेबसाईटवर व https://parivesh.nic.in/ वर पहाण्यासाठी उपलब्ध आहे. प्रसिद्धीकरिता जाहीर नोटीस.



## JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD., HUPARI Shri Kallappanna Awadenagar, Hupari-Yalgud, 416203, Tal. Hatkanangale, Dist. Kolhapur. Phone. (0230):2450402 (5 Lines), E-mail. - kprjsssk@gmail.com Jawahar Sugar Factory Hupari has granted the Environmental Clearance It is for the information of all concern that, M/S. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari has submitted the proposal of proposed expansion of 12000 TCD to 16000 TCD capacity for obtaining the Environmental Clearance from Ministry of Environment, Forest and Climate Change, Government of India, New Delhi. Accordingly, Ministry of Environment has granted the Environmental Clearance for expansion of our Sugar Unit 12000 TCD to 16000 TCD. Vide their letter F.No.IA-J-11011/146/2020-IA II (I), Dated 1st December, 2020. A copy of said clearance letter is available with the State Pollution Control Board/Committee and may also be seen at website of the Ministry and at https://parivesh.nic.in/