

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/11572/2023

Date: -22/05/2023

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 1st 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: -

1. To,

**The Integrated Regional Office
MoEFCC; Regional Office (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines, Nagpur – 440001**

**Email - apccfcentral-ngp-mef@gov.in
ecompliance-mh@gov.in**

2. Sh.Bharat Kr. Sharma

**Scientist ‘F’
Central Pollution Control Board
Pune
Email – bksharma.cpcb@nic.in**

3. Member Secretary

**Maharashtra Pollution Control Board
Kalpataru Point, 3rd & 4th floor ,
Opp.Cine Planet,
Near Sion Circle,Sion (E),
Mumbai (Maharashtra) – 400 022
Email – ms@mpcb.gov.in**

4. Regional Officer ,

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



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

By Speed Post/Online

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

Dated: 1st December, 2020

To

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

Email: kprjsssk@gmail.com

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

Sir,

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

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

3. The details of products and capacity as under:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

18. This issues with approval of the competent authority.

01/12/2020
(Dr. R. B. Lal)

Scientist 'E'/Additional Director

Tele-fax: 011-24695362

Email-rb.lal@nic.in

(डा. आर. बी. लाल)

(Dr. R. B. LAL)

वैज्ञानिक 'ई'/Scientist 'E'

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

Copy to: -

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

(Dr. R. B. Lal)

Scientist 'E'/Additional Director



By Speed Post/Online

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

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

Dated: 25th October, 2021

To,

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

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

Sir,

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

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

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

3/22

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

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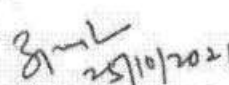
Sr. No.	Para of EC issued by MoEF&CC	Details as per the EC	To be Revised / Read as	Justification/ reasons
				<ul style="list-style-type: none"> • A sugar factory becomes water exporting unit due to water content in cane (70%) which comes out as condensate after juice heating, concentration & syrup making.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

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

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

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

7. This issues with approval of the competent authority.


 (Ashok Kr. Pateshwary)
 Director

Copy to: -

1. The Secretary, Department of Environment, Government of

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

37-2
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 27th 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-

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated																											
A	SPECIFIC CONDITIONS																												
1	<p>Condition No.1 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.</p>	<p>Industry is complying with all recommendations made in EIA/EMP w.r.t environmental management plan and risk mitigation measures related to the project implementation.</p> <table border="1" data-bbox="779 525 1469 1071"> <thead> <tr> <th data-bbox="779 525 885 745">No.</th> <th data-bbox="885 525 1144 745">Description</th> <th data-bbox="1144 525 1307 745">Capital Cost (Rs. in Lakhs) Till to date</th> <th data-bbox="1307 525 1469 745">Annual O & M (Rs. in Lakhs) October 2022 to March2023</th> </tr> </thead> <tbody> <tr> <td data-bbox="779 745 885 829">1</td> <td data-bbox="885 745 1144 829">APC equipment</td> <td data-bbox="1144 745 1307 829">0.00</td> <td data-bbox="1307 745 1469 829">5.45</td> </tr> <tr> <td data-bbox="779 829 885 892">2</td> <td data-bbox="885 829 1144 892">E.T.P & Upgradation</td> <td data-bbox="1144 829 1307 892">0.00</td> <td data-bbox="1307 829 1469 892">34.87</td> </tr> <tr> <td data-bbox="779 892 885 955">3</td> <td data-bbox="885 892 1144 955">Environmental Monitoring</td> <td data-bbox="1144 892 1307 955">0.00</td> <td data-bbox="1307 892 1469 955">1.38</td> </tr> <tr> <td data-bbox="779 955 885 1029">4</td> <td data-bbox="885 955 1144 1029">Green Belt Augmentation Plan</td> <td data-bbox="1144 955 1307 1029">0.00</td> <td data-bbox="1307 955 1469 1029">1.97</td> </tr> <tr> <td data-bbox="779 1029 885 1071">Total</td> <td data-bbox="885 1029 1144 1071"></td> <td data-bbox="1144 1029 1307 1071">0.00</td> <td data-bbox="1307 1029 1469 1071">43.67</td> </tr> </tbody> </table>				No.	Description	Capital Cost (Rs. in Lakhs) Till to date	Annual O & M (Rs. in Lakhs) October 2022 to March2023	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
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2	<p>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.</p> <p>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.</p>	<p>Total effluent generated from sugar factory and co-gen plant is 1430 CMD. The same is treated in state of art effluent treatment plant. As per amended EC, the treated effluent is used for gardening and development of green belt in own factory premises. Moreover, STP's of capacity 100 KLPD and 50 KLPD has been installed on site for treatment of domestic effluent. Flow sheet and Photographs of ETP and STP is enclosed at Annexure - I</p>																											
3	<p>Condition No.3 As proposed, Total fresh water</p>	<p>Total fresh water requirement is 328 cum/day. The</p>																											

No.	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	<p>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.</p>	<p>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 04.05.2018 valid up to30.04.2024. Copy water lifting permission from irrigation department is enclosed at Annexure - II</p>
4	<p>Condition No.4 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.</p>	<p>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 Annexure - III</p>
5	<p>Condition No.5 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.</p>	<p>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 Annexure – IV.</p>
6	<p>Condition No.6 Process organic residue and spent carbon, if any, shall be sent to Cement/other suitable industries for its incinerations/management.</p>	<p>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.</p>

7	<p>Condition No.7 Project Proponent shall reduce the quantity of effluents generation in the unit and PP shall install the effective wastewater treatment system so that Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Adequate system shall be in place for controlling the odour and mitigation measures to protect the contamination of ground/surface water.</p>	<p>Total effluent generated from sugar factory and co-gen plant is 1430 CMD. The same is treated in state of art effluent treatment plant. As per amended EC, the treated effluent is used for gardening and development of green belt in own factory premises. Moreover, STP's of capacity 100 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 Annexure - I</p>
	<p>Condition No.8 The company shall undertake waste minimization measures as below:- (a) Metering and control of quantities of active ingredients to minimize waste. (b) Reuse of by-product from the process as raw materials substitutes in order processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressures hoses for equipment clearing to reduce waste water generation.</p>	<p>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. Molasses 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 Annexure - V</p>
9	<p>Condition No.9 The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.</p>	<ul style="list-style-type: none"> • A comprehensive green belt has already been developed in JSSSKL premises. Total Plot area of JSSSKL is 99.57 Ha. Industry has developed a green belt on area of 39.9 Ha. where under 69279 Nos. of trees are planted in industrial premises • This comes to about 40% of total plot area. Native, evergreen & pollution resistant species like Silver Oak, Rain tree, Neem, Suru, Saag etc have been planted. Avenue plantation, shelter belt plantation, mass plantation & pocket plantation has been done on site. • Details and Photographs of Green belt is enclosed at Annexure - VI • Industry noted the condition & assures that the tree canopy of green belt will be monitored through

		remote sensing.																											
10	<p>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 project proponent to address the public hearing and socio-economic issues in the study area, the project proponent, as committed, shall provide support of clean & safe drinking water supply, non-conventional energy promotion, supply of MSW management infrastructure, medical & healthcare facilities in the nearby villages. The action plan shall be complete within five years as proposed. All the commitments made during public hearing shall be satisfactorily implemented.</p>	<p>Corporate Environmental Responsibility is being implemented in phase-wise manner. Following are the details of expenditure made during the monitoring period:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>CER Activity</th> <th>Amount (in Lakh) October 2022 to March2023</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Sports Promotion funding</td> <td>11.72</td> </tr> <tr> <td>2.</td> <td>Funding for Social Activities</td> <td>69.29</td> </tr> <tr> <td>3.</td> <td>Medical Aid</td> <td>15.96</td> </tr> <tr> <td>4.</td> <td>Funding for education</td> <td>0.10</td> </tr> <tr> <td>5.</td> <td>Funding for Cultural Programmes</td> <td>0</td> </tr> <tr> <td>6.</td> <td>Provision of Drinking Water Facility</td> <td>0</td> </tr> <tr> <td>7.</td> <td>Drip Irrigation Subsidy</td> <td>3.83</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>100.90</td> </tr> </tbody> </table>	Sr. No.	CER Activity	Amount (in Lakh) October 2022 to March2023	1.	Sports Promotion funding	11.72	2.	Funding for Social Activities	69.29	3.	Medical Aid	15.96	4.	Funding for education	0.10	5.	Funding for Cultural Programmes	0	6.	Provision of Drinking Water Facility	0	7.	Drip Irrigation Subsidy	3.83	Total		100.90
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11	<p>Condition No.11 The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on fresh water from the river.</p>	<p>Rain water harvesting is implemented on site. 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 Annexure - VII</p>																											
12	<p>Condition No.12 There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, And no parking to be allowed outside on public places.</p>	<p>Industry has allocated a dedicated parking area for bullock carts, tractors, trucks etc. carrying sugar cane to Industry from farms as well as for other vehicles transporting products like sugar as well as parking of workers' vehicles etc.</p>																											
13	<p>Condition No.13 Storage of raw material shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.</p>	<p>Cane yard is provided for sugar cane vehicles and other areas like bagasse yard, press mud yard & ash storage yard are also provided with proper surfacing. All internal roads and work premises asphalted and concrete. Maintained properly to control & minimize fugitive dust emissions from the respective places. Working of pollution control equipment is monitored, proper handling; storage and disposal of dust collected, use of PPEs for staff and workers, existing green belt, water sprinkling in the premises is also done. Annexure - VIII may be referred for photographs of asphalted road.</p>																											

14	<p>Condition No.14</p> <p>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.</p>	<p>ESPs as APC are provided followed by stack height of 75M (common for 90 TPH and 20 TPH) & 72M for 75 TPH boiler to control particulate matter and Gaseous pollutants. Also, online monitoring system (OCMS) is installed at stack and ETP. Moreover, all the results are transmitted to CPCB and SPCB server as well as displayed continuously on a display board at the Main Entrance Gate of the industry. Photographs of APC Equipment, OCMS (Stack and ETP) is enclosed at Annexure - IX</p>
15	<p>Condition No.15</p> <p>A separate Environmental Management cell (having qualified person with Environmental Science/Environmental Engineering/ specialization I n the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.</p>	<p>The industry has an Environmental Management Cell (EMC) functioning. Members of the EMC are well qualified and experienced in their concerned fields. A separate Environment Management cell is already established. Structure of EMC is enclosed at Annexure - X</p>

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

20	<p>Condition No. 5 The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>Acoustic hoods are provided to noise generating equipments. Also, PPEs are provided to workers working in noisy area. Overall noise levels in and around the plant area are maintained within the standards prescribed under Environment (Protection) Act, 1986, 1989 Rules. Monitoring reports are enclosed at Annexure - XII</p>																		
21	<p>Condition No. 6 The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.</p>	<p>Rain water harvesting is implemented on site. 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 Annexure - VII</p>																		
22	<p>Condition No.7 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.</p>	<p>Training sessions/workshops for employees on safety and health aspects are organized regularly. Also, medical examination is arranged for all employees once in a year. Onsite record of the same is maintained. Latest health checkup report dated 02.09.2022 to 01/09/2023 is attached at Annexure - III</p>																		
23	<p>Condition No. 8 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.</p>	<p>Corporate Environmental Responsibility is being implemented in phase-wise manner. Following are the details of expenditure made during the monitoring period:</p> <table border="1" data-bbox="776 1514 1458 1923"> <thead> <tr> <th data-bbox="776 1514 873 1696">Sr. No.</th> <th data-bbox="873 1514 1279 1696">CER Activity</th> <th data-bbox="1279 1514 1458 1696">Amount (in Lakh) October 2022 to March2023</th> </tr> </thead> <tbody> <tr> <td data-bbox="776 1696 873 1734">1.</td> <td data-bbox="873 1696 1279 1734">Sports Promotion funding</td> <td data-bbox="1279 1696 1458 1734">11.72</td> </tr> <tr> <td data-bbox="776 1734 873 1772">2.</td> <td data-bbox="873 1734 1279 1772">Funding for Social Activities</td> <td data-bbox="1279 1734 1458 1772">69.29</td> </tr> <tr> <td data-bbox="776 1772 873 1810">3.</td> <td data-bbox="873 1772 1279 1810">Medical Aid</td> <td data-bbox="1279 1772 1458 1810">15.96</td> </tr> <tr> <td data-bbox="776 1810 873 1848">4.</td> <td data-bbox="873 1810 1279 1848">Funding for education</td> <td data-bbox="1279 1810 1458 1848">0.10</td> </tr> <tr> <td data-bbox="776 1848 873 1923">5.</td> <td data-bbox="873 1848 1279 1923">Funding for Cultural Programmes</td> <td data-bbox="1279 1848 1458 1923">0</td> </tr> </tbody> </table>	Sr. No.	CER Activity	Amount (in Lakh) October 2022 to March2023	1.	Sports Promotion funding	11.72	2.	Funding for Social Activities	69.29	3.	Medical Aid	15.96	4.	Funding for education	0.10	5.	Funding for Cultural Programmes	0
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24	<p>Condition No. 9 The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p>	<p>Corporate Environmental Responsibility is being implemented in phase-wise manner. Following are the details of expenditure made during the monitoring period:</p> <table border="1" data-bbox="776 1514 1458 1923"> <thead> <tr> <th data-bbox="776 1514 873 1696">Sr. No.</th> <th data-bbox="873 1514 1279 1696">CER Activity</th> <th data-bbox="1279 1514 1458 1696">Amount (in Lakh) October 2022 to March2023</th> </tr> </thead> <tbody> <tr> <td data-bbox="776 1696 873 1734">1.</td> <td data-bbox="873 1696 1279 1734">Sports Promotion funding</td> <td data-bbox="1279 1696 1458 1734">11.72</td> </tr> <tr> <td data-bbox="776 1734 873 1772">2.</td> <td data-bbox="873 1734 1279 1772">Funding for Social Activities</td> <td data-bbox="1279 1734 1458 1772">69.29</td> </tr> <tr> <td data-bbox="776 1772 873 1810">3.</td> <td data-bbox="873 1772 1279 1810">Medical Aid</td> <td data-bbox="1279 1772 1458 1810">15.96</td> </tr> <tr> <td data-bbox="776 1810 873 1848">4.</td> <td data-bbox="873 1810 1279 1848">Funding for education</td> <td data-bbox="1279 1810 1458 1848">0.10</td> </tr> <tr> <td data-bbox="776 1848 873 1923">5.</td> <td data-bbox="873 1848 1279 1923">Funding for Cultural Programmes</td> <td data-bbox="1279 1848 1458 1923">0</td> </tr> </tbody> </table>	Sr. No.	CER Activity	Amount (in Lakh) October 2022 to March2023	1.	Sports Promotion funding	11.72	2.	Funding for Social Activities	69.29	3.	Medical Aid	15.96	4.	Funding for education	0.10	5.	Funding for Cultural Programmes	0
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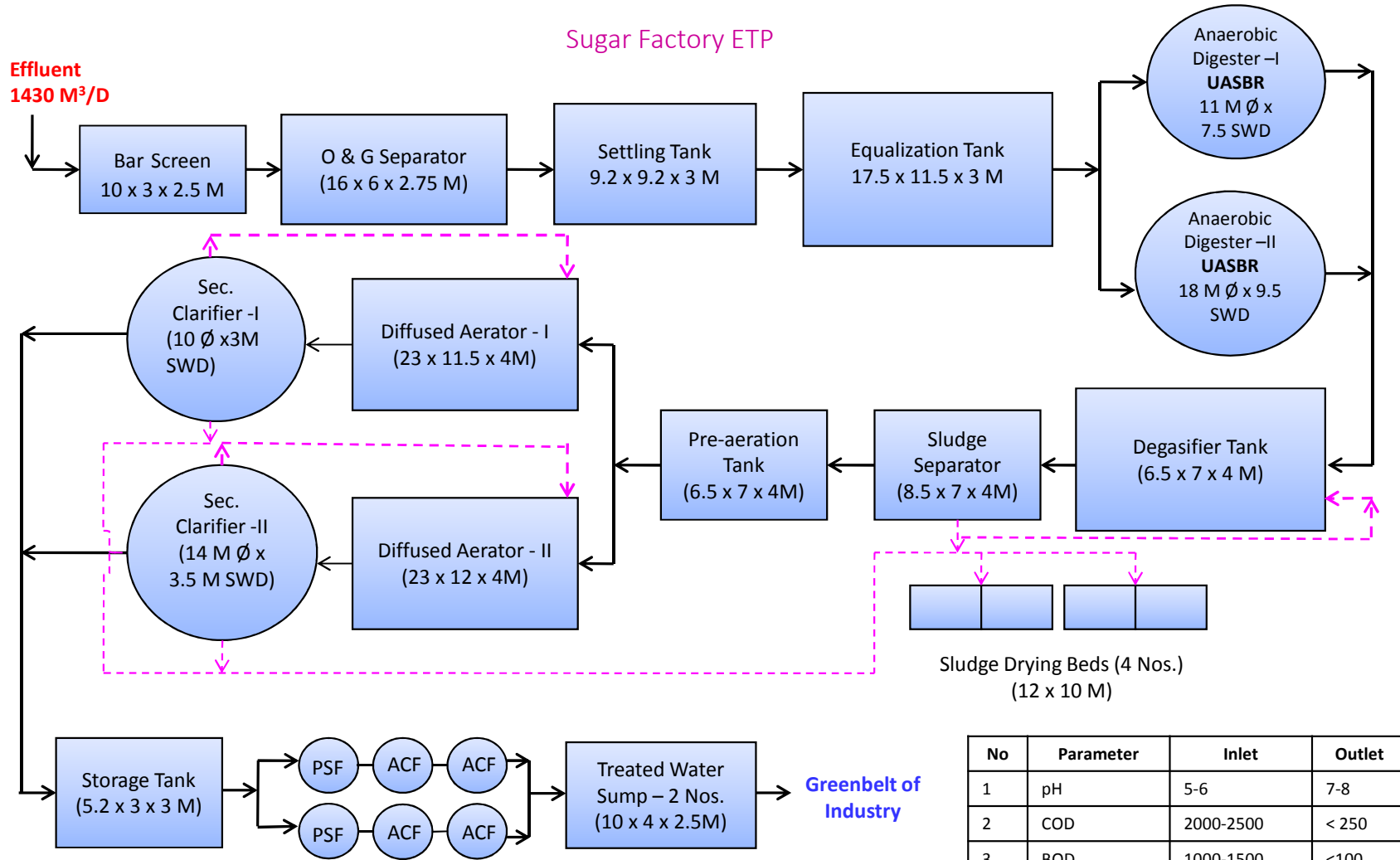
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25	<p>Condition No. 10 The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along 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.</p>	<p>Compliance strictly followed. The company is complying with all the environmental protection measures and safeguards and implemented all the recommendations made in EIA/EMP Details are given in table below-</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Description</th> <th>Capital Cost (Rs. in Lakhs) Till to date</th> <th>Annual O & M (Rs. in Lakhs) October 2022 to March 2023</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>APC equipment</td> <td>0.00</td> <td>5.45</td> </tr> <tr> <td>2</td> <td>E.T.P & Upgradation</td> <td>0.00</td> <td>34.87</td> </tr> <tr> <td>3</td> <td>Environmental Monitoring</td> <td>0.00</td> <td>1.38</td> </tr> <tr> <td>4</td> <td>Green Belt Augmentation Plan</td> <td>0.00</td> <td>1.97</td> </tr> <tr> <td colspan="2">Total</td> <td>0.00</td> <td>43.67</td> </tr> </tbody> </table>	No.	Description	Capital Cost (Rs. in Lakhs) Till to date	Annual O & M (Rs. in Lakhs) October 2022 to March 2023	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
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26	<p>Condition No. 11 A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad / Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.</p>	<p>Copy of Environment Clearance Letter was submitted to Grampanchayat – Mouje Rendal & Grampanchayat – Mouje Yalgud Taluka – Hatkalangale, Kolhapur on 05.12.2020. Also industry submitted granted EC to Hupari Nagar parishad & Chief Executive officer Kolhapur on 05.12.2020. The Acknowledgement copies of same are enclosed at Annexure - XIV</p>																								
27	<p>Condition No. 12 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</p>	<p>Industry regularly submits Six Monthly Compliance Report. Latest six-monthly compliance report was submitted for period April 2022 to September 2022 on 24.11.2022. Email copy of Acknowledgement is enclosed at Annexure - XV The same report is uploaded on company's website http://www.jawaharsugar.com/.</p>																								

	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	<p>Condition No. 13</p> <p>The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.</p>	<p>The environmental statement for each financial year ending 31st 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 Annexure - XVI</p>
29	<p>Condition No.14</p> <p>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	<p>On 05.12.2020, 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 Annexure - XVII</p>
30	<p>Condition No.15</p> <p>The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p>	<p>Date of financial closure in connection with the Industrial Project is 31stMarch.</p>

31	Condition No. 16 This Environmental clearance is granted subject to final outcome of Hon'ble Supreme court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted
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Annexure – I
Photographs of ETP & STP

Sugar Factory ETP



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

All parameters except pH are in mg/lit.

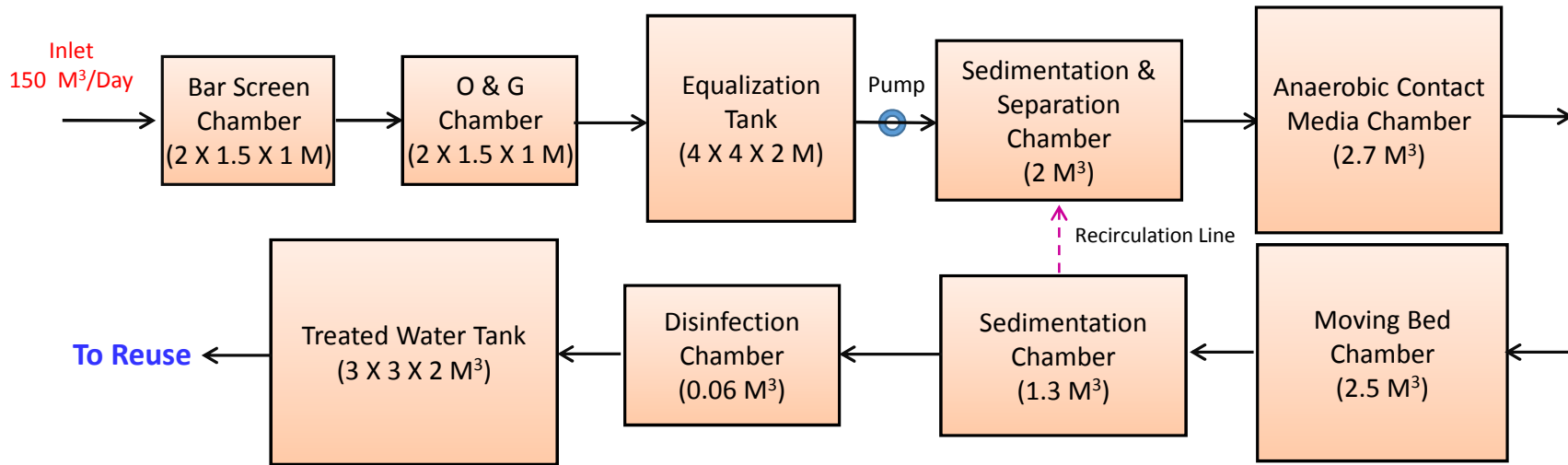
Photographs of Sugar Factory ETP



Sugar Factory ETP



Sewage Treatment Plant

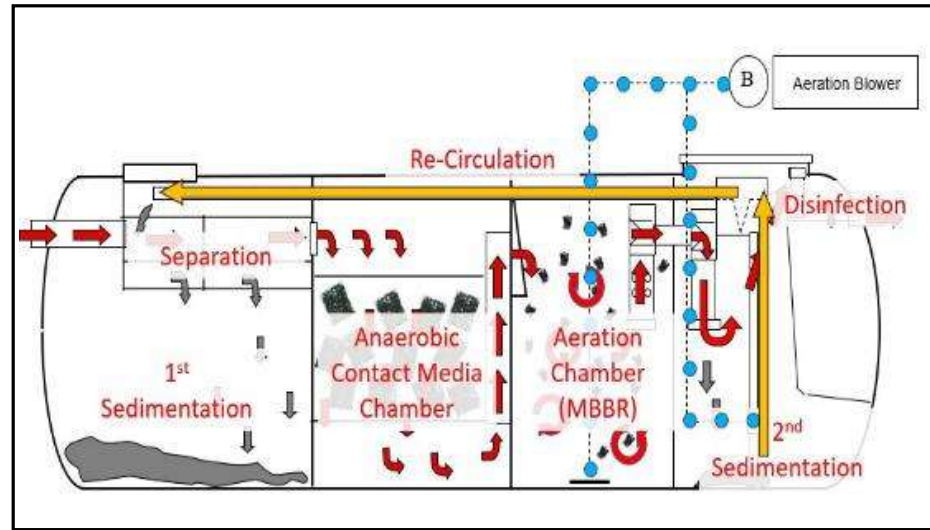


No	Parameter	Unit	Inlet	Outlet
1	pH	---	6.0 – 8.5	6.0 – 8.5
2	COD	mg/lit	400 – 500	< 50
3	BOD	mg/lit	250 – 300	< 10
4	TSS	mg/lit	150 - 250	< 30
5	O & G	mg/lit	20 - 30	< 10



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

Johkasou STP Treatment Process



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

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

Photographs of STP



Annexure - II
Water lifting Permission

कोल्हापूर पाटबंधारे विभाग (उत्तर), कोल्हापूर.
सिंचन भवन, ताराबाई पार्क, कोल्हापूर-४१६००३.

दूरध्वनी क्रमांक (०२३१) २६५४७३६, फॅक्स क्र. (०२३१) २६५४७३५, ईमेल eekidkop@gmail.com

जा.क्र.कोपावि(उ)/प्रशा-३/(३७)/बिगरसिंचन/४९४/सन २०१८,

दिनांक :- ०४/०५/२०१८

प्रति,

कार्यकारी संचालक

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

विषय :- बिगर सिंचन द्विर्षिय करारनामा मंजूरी बाबत
१/०५/२०१८ ते ३०/०४/२०२४

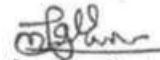
संदर्भ :- १) १) मा. मुख्य अभियंता (जस)जलसंपदा विभाग पुणे यांचे ज्ञापन पत्र जा
क्र मु अ (जस)/(२९६/२०१७)/प्रशा-७/५१८८ दि. ०७/१२/२०१७
२) पृष्ठांकन अधिक्षक अभियंता कोल्हापूर पाटबंधारे मंडळ कोल्हापूर को पा
म /प्रशा-१/७८९१/२०१७ दि २२/१२/२०१७

उपरोक्त संदर्भिय पत्र क्र. १ अन्वये आपणास ^{दुष्प्रगंगा} ~~वेगवेगळ्या~~ प्रकल्पातून ^{दुष्प्रगंगा} ~~वेगवेगळ्या~~ नदितून 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 ०१/०५/२०१८ ते ३०/०४/२०२४ या कालावधीचा
करारनामा खालील अटीच्या अधिन राहूनमंजूर 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.
- ३) 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, नोंदी 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 नोंद वही ठेवणे बंधनकारक आहे. यासर्व इलेक्ट्रॉनिक मोजणी यंत्राची दरवर्षी
कॅलिब्रेशन प्रमाणपत्र सादर करणे बंधन कारक आहे.
- ५) इलेक्ट्रॉनिक मोजणी यंत्र बसविणेची कार्यवाही न केलेस आपणास मुळ मंजूरीनुसार दिडपट दराने
आकारणी करण्यात येईल याची कृपया नोंद घ्यावी.
- ६) जलसंपदा विभाग शासन निर्णय क्र. पापव-२०१५/(प्रक्र ८८/२०१५)/सिञ्य(महसूल)
दि. २१/०४/२०१६ अन्वये आपल्या संस्थेचे सांडपाणी विसर्जित करताना सांडपाण्याची गुणवत्ता
महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडून दर महिन्याला तपासून प्रदूषण होत नसल्याबाबतचे
प्रमाणपत्र जलसंपदा विभागास देणे बंधनकारक राहिल.

- ७) जर महाराष्ट्र प्रदुषण नियंत्रण मंडळाच्या विहित 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 नोंद घ्यावी.
- ११) आपल्या संस्थेस मंजूर करण्यात आलेल्या ०.१६८० दलघमी वापरापेक्षा $\pm 10\%$ पाणी वापर (अधिक / कमी) झाल्यास फरकाच्या वापरास दंडनीय दर लागू दराच्या दीडपटने आकारणी करणेत येईल याची नोंद 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 विहित प्रपत्रात सादर करणे बंधनकारक आहेसदर प्रत्यक्ष पाणी वापराची माहिती (प्रपत्र १ व प्रपत्र २)मध्ये उपलब्ध करुन न दिल्यासपाणी पट्टी आकारणी दंडनीय दराने करणेत येईल व सदर परिपत्रकातील सुचनेस अनुसरुन कार्यवाही करणेत येईल

स्थळ प्रत का.अ.यांनी मंजूर केली.


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

प्रत :- सहाय्यक अभियंता दुधगंगा पाटबंधारे उपविभाग निढोरी यांना माहितीसाठी याबाबतची कार्यवाही काटेकोरपणे करणेसाठी रवाना. याबाबतची कार्यवाही काटेकोरपणे करणेसाठी

प्रत :- सिंचन शाखा २ , विभागीय कार्यालय यांना माहितीसाठी व कार्यवाहीसाठी रवाना.

JAWAHAR SSSK LTD., HUPARI	
IW No. 92004	Date 31/5/16
Sent to CE, C.C to	Authorised Signature

chE/mfr/brp

Annexure - III
Health Checkup Report

Photographs of Health Care Facility



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

HEALTH REGISTER

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

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

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other wor	Reason for leaving Transfer of discharg	Nature of job or occupation	Raw material or bye product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of fitness or suspension issued to worker	Signature with gate certifying surgeon.
1	2304	MR. ASHOK S NALLAWADE	42	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
2	6023	MR. AKASH A BODHALE	30	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
3	1817	MR. JAWAHAR B MALI	47	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
4	7362	MR. MANOJ B KARAKE	31	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
5	1099	MR. KAMLAKAR B SUTAR	52	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
6	0334	MR. ARUN D PATI	58	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
7	2030	MR. SUNIL M KIRUNGI	32	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
8	1346	MR. PARGONDA N PATIL	51	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
9	7451	MR. HEMANT R PATIL	26	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
10	0853	MR. IQBAL A ATTAR	49	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
11	2066	MR. BHIMRAO M VAJANTRI	57	M		NA	NA			02/09/2022	Fit	NA	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	56	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
14	1733	MR. SARDAR S MOMIN	49	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
15	1401	MR. SANJAY A AKIWATE	52	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
16	2072	MR. VASANT A GHUNAKE	55	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
17	1684	MR. RIZWAN B BEDKALE	44	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
18	5999	MR. RAVI K KORAVI	33	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	
19	7364	MR. MALLU B AMALE	24	M		NA	NA			02/09/2022	Fit	NA	Fit	NA	

Dr. ARVIND A. MANE

M.B.B.S., D.P.H.A.F.I.P. (MUMBAI)

MMC REGD. NO. : 2010/10/3176

GOVT. OF INDIA-DGFASLI REGD. NO.-02388

Industrial Health Division

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

HEALTH REGISTER

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

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

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

Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharg	Nature of job or occupation	Raw material or bye product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
1583	MR. UTTAM S MANGALE	52	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7308	MR. PANKAJ S SHINDE	23	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1234	MR. SURESH L POL	49	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7254	MR. PRATHAMESH CHOUGULE	23	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1719	MR. AMOL A PATIL	43	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1475	MR. SUNIL A TASHILDAR	53	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1777	MR. SANJAY K BADBADE	40	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1469	MR. ABHAY B PATIL	48	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1967	MR. TUKARAM M CHAVAN	39	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0073	MR. MAHAVIR A BARWADE	59	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1884	MR. SANTOSH A KOLI	37	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
6032	MR. PRAVIN B GURAV	30	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0948	MR. RAJENDRA KOLHAPURE	58	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1816	MR. DAYANAND A KAMBLE	40	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2028	MR. SOPAN B BIRJE	32	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0954	MR. BALU S MALI	52	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0623	MR. SHIVAJI K KOLI	52	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2134	MR. MOHAN J HEGADE	55	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0934	MR. DASHARATH N BAGAL	48	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	

Dr. ARVIND A. MANE
MBBS, D.P.H.A.F.I.H. (MUMBAI)
MMC REGD. NO.: 2010/10/3176
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Consultant Industrial Health Physician

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

HEALTH REGISTER

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

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

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

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of discharge	Nature of job or occupation	Raw material or bye product handled	Exam. Date	Result of Medical Examination	If suspended from work, state period of suspension with detailed reasons	Certified fit to resume duty on with signature of Certifying Surgeon	If Certificate of unfitness or suspension issued to worker	Signature with gate certifying surgeon.
39	0652	MR. VIRAPPA B BHANSE	56	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
40	0996	MR. RAKESH D MALI	49	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
41	6068	MR. KALPESH K KAPASE	33	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
42	0931	MR. SHAMRAO M MOHITE	54	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
43	7290	MR. BHUSHAN J NARWADE	26	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
44	1725	MR. BAPUSO D VANI	48	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
45	7230	MR. ADESH A YADAV	24	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
46	1687	MR. SHREANSH PATIL	50	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
47	1261	MR. SANDEEP B PATIL	42	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
48	2254	MR. SACHIN P KHOT	27	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
49	6012	MR. S M KOIK	29	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
50	2180	MR. RUTURAJ M INAMDAR	30	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
51	1569	MR. SUNIL S SHETKE	52	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
52	1694	MR. SHREEDHAR PATIL	47	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
53	1351	MR. AKBAR M MOKASHE	54	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
54	1834	MR. DAVAL M SHAIKH	52	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
55	2300	MR. VITHAL D RANDIVE	37	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
56	0968	MR. RAJENDRA D KORADE	53	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
57	1894	MR. GANGADHAR AADNANE	47	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	

Dr. ARVIND A. MANE
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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	NA	
60	7026	MR. ABHIJIT B PATIL	27	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
61	1367	MR. KIRAN I BHARMAL	47	M	-	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	
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			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	-	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	
70	2247	MR. ANIL D SUTAR	33	M	-	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	NA	
72	1819	MR. SHANKAR S GAWADE	45	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
73	7542	MR. ANURAGH A PATIL	21	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
74	1978	MR. FIROJ M KALAWANT	36	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
75	0951	MR. MAHADEV S PATIL	59	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
76	7514	MR. SAJID B JAMADAR	27	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	

Dr. ARVIND A. MANE

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0637	MR. AJJI G DALWADE	49	M	-	NA	NA			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	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7005	MR. NITIN N SHINDE	28	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7010	MR. UTTAM K KHOT	32	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1896	MR. SANJAY G KAMBLE	58	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1437	MR. SADIK I MUJAWAR	53	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2208	MR. SWAPANIL V KHOT	29	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1091	MR. BALWANT A PATIL	56	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2027	MR. SANJAY P KURALE	36	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7023	MR. R R FIRAGANAVAR	31	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
6042	MR. SURAJ D PATIL	30	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7139	MR. AKBAR B FARID	29	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1454	MR. ARUN A MALAGE	47	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
0998	MR. KUNTINATH VANDURE	51	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2132	MR. RAMESH A BANNE	35	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1832	MR. AMAR B PATIL	45	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1444	MR. PRAKASH M SHENAVI	49	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2294	MR. SACHIN A KAMBLE	33	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	

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7040	MR. SULEMAN Y DADIWALE	26	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7048	MR. SANTOSH PATIL	32	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1655	MR. VINOD KHOT	42	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7509	MR. PRASHANT KHATAVKAR	26	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7498	MR. V D HANCHNALE	24	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7154	MR. KASHINATH MUDHALE	23	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7140	MR. SHIVAJI S MUDHALE	26	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1018	MR. BAPUSO B DHONGADE	53	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1240	MR. ARUN K PATIL	45	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2170	MR. SURAJ SHIRDHONE	29	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2285	MR. VAIBHAV A MANE	26	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7469	MR. CHANDRAKANT PUJARI	25	M	-	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	
7134	MR. PAVANKUMAR A HEGADE	24	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7073	MR. TUSHAR PATIL	28	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
7146	MR. AVINASH M VASWADE	30	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
1652	MR. B A MAYAPPANAWAR	48	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
2187	MR. RAJENDRA S NIRMALE	44	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	

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15	7052	MR. GOVIND M LAWATE	28	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
16	2091	MR. BHARAT R PATIL	52	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
17	7173	MR. BAJIRAO B PATIL	48	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
18	7383	MR. MUSTAFA A MUJAWAR	23	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
19	2217	MR. AVINASH J DONGALE	35	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
20	7127	MR. SURAJ S R	30	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
21	7403	MR. SOURABH R CHOUGULE	24	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
22	2275	MR. YASHWANT K JADHAV	42	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
23	7487	MR. RUSHIKESH S GAJARE	22	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
24	1228	MR. SHASHIKANT A SHINDE	45	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
25	1710	MR. SANDEEP N MAGDUM	44	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
26	2146	MR. ANIL N MAGDUM	30	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
27	1922	MR. SADASHIV S PATIL	45	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
28	1170	MR. RAVINDRA B PATIL	58	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
29	7131	MR. SUJIT S RANGOLI	34	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
30	0426	MR. ANIL B DESHPANDE	54	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
31	1944	MR. AJIT S MANE	44	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
32	7172	MR. NANDKUMAR KAMBLE	46	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
33	7135	MR. SHAMRAO V DAVAR	53	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	

Dr. ARVIND A. MANE
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134	7147	MR. NITIN S MITHARI	40	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
135	1790	MR. BAHUBALI M KESTE	42	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
136	0359	MR. SHRIKANT'S KHOT	54	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
137	0609	MR. MARUTI M JADHAV	48	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
138	2080	MR. SATISH B DANAGAR	44	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	48	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
143	7144	MR. PRAKASH N KAMBLE	52	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
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	49	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
147	1458	MR. SANJAY A MURABATTE	54	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
148	0656	MR. BHIMRAO D KHOT	49	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
149	1387	MR. RAJKUMAR S MAGDUM	54	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	
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	Fit	NA	
152	0052	MR. VISHWAS L PATIL	56	M	-	NA	NA			02/09/2022	Fit	NA	Fit	NA	

Dr. ARVIND A. MANE
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Consultant Industrial Health Physician

Annexure – IV
Photographs of Firefighting
&
Mock drill

Photographs of firefighting arrangements



Photographs of Mock Drills



Annexure – V
Photographs of vermi-composting

Photographs of Vermicomposting



Annexure – VI
Photographs of Greenbelt
&
List of plants

Existing Green Belt



Existing Green Belt



Existing Green Belt



Existing Green Belt



Existing Green Belt



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	
१	नारळ	६०३
२	आंबा	३५०
३	चिक्कू	१५६
	एकूण -	११०९
ब)	जंगली झाडे	
१	रेनट्री	३७००
२	कॅशिया	१७५२
३	चिंच	७८
४	कदंब	१७
५	सुबाभूळ	८३०
६	बदाम	४६
७	सप्तपर्णी	३२
८	चंदन	४५
९	सागवान	१४
१०	सुरू	१०००
११	निंब व इतर	३७९८
१२	ट्यूबोबीया	१२
१३	पळस	१४
१४	गोरमचिंच	५५८
१५	सिल्वर ओक	२०००
१६	स्पॅथोडीया	३६
१७	वड	७०
१८	पिंपळ	१२५
१९	निलमोहर	४२
२०	बहावा	१४०
२१	गुलमोहर	४०९
२२	कांचन	१३३
२३	निलगीरी	३९३०
२४	उंबर	६२
२५	फणस	१५
२६	बेल	५
२७	ऑस्ट्रेलियन साग	३००

दि. १०/०४/२०२३

अ.नं.	तपशील	संख्या
२८	गूळभेंडी	५०७
२९	करंज	२२३९
३०	जांभूळ	१००
३१	प्लेटोफोरम	२५०
३२	बांबू	३०६३४
३३	काटेसावर	३२०
	एकूण	५३२१३
क)	शोभीवंत झाडे	
१	बॉटल पाम	९०
२	अशोक	७०३
३	मोरपंखी	१०
४	फायकस	८२
५	बोगनवेली	१४४०
६	एक्झोरा	२१
७	चाफा	५३
८	आरेकापाम	४३१६
	एकूण -	६७१५
ड)	फूलझाडे	
१	गुलाब	२००
२	इतर फुलझाडे	४७२६
३	शोभीवंत कुंड्या	३०६
४	कणेरी	२६७०
५	शंकासूर	३४०
	एकूण -	८२४२
	समरी	
अ	फळझाडे	११०९
ब	जंगली झाडे	५३२१३
क	शोभीवंत झाडे	६७१५
ड	फूलझाडे	८२४२
	एकूण -	६९२७९

मुख्य शीती अधिकारी

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
A	Fruit Plant	
1.	Coconut	603
2.	Mango	350
3.	Chikku	156
	Total	1109
B	Forest Tree	
1.	Rain Tree	3700
2.	Cassia	1752
3.	Chinch	78
4.	Kadaumb	17
5.	Subabhul	830
6.	Badam	46
7.	Saptparni	32
8.	Chandan	45
9.	Sag	14
10.	Suru	1000
11.	Nimb & Others	3798
12.	Tubobia	12
13.	Palas	14
14.	Gorham Chinch	558
15.	Silver Oak	2000
16.	Spathodia	36
17.	Wad	70
18.	Pimpal	125
19.	Nile Mohar	42
20.	Bahawa	140
21.	Gulmohar	409
22.	Kanchan	133
23.	Nilgiri	3930
24.	Umber	62
25.	Phanas	15
26.	Bel	05
27.	Australian babul	300
30.	Gul bhendi	507
31.	Karanj	2239
32.	Jambhul	100
33.	Paletoforum	250
34.	Bambu	30634
35.	Katesawar	320
	Total	53213

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

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

AREAWISE TREE PLANTATION INFORMATION

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

Sr.No	Particulars	Nos of Plant
C	Decorative Tree	
1.	Bottal Palm	90
2.	Ashoka	703
3.	Thuja	10
4.	Ficus	82
5.	Boganwel	1440
6.	Exora	21
7.	Chapha	53
8.	Areka Palm	4316
	Total	6715
D	Flower Tree	
1.	Rose	200
2.	Other Flower Tree	4726
3.	Pots Tree	306
4.	Kaneri	2670
5.	Shankasur	340
	Total	8242

Total Summary of tree plantation-		
A	Fruit Tree	1109
B	Forest Tree	53213
C	Decorative Tree	6715
D	Flower Tree	8242
	Total Tree Plantation	69279


Chief Agri. Officer

Annexure – VII

Photographs of CER & CSR











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

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

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



भोज येथे जवाहर कारखान्याच्या वतीने वैद्यकीय उपचारासाठी आर्थिक मदतीचा धनादेश वितरण

कारदगा (हिंदूसम्राट प्रतिनिधी रंगराव बजे यांजकडून):-हूपरी येथील जवाहर शेतकरी साखर कारखान्याच्यावतीने भोज येथील ऊस उत्पादक सभासद धन्याकुमार भिमु चौगुले(पांगरे)यांना हृदय विकाराच्या उपचारासाठी 50 हजार रूपयेचा धनादेश कारखान्याचे संचालक शीतल अमनावर व सुमेरु पाटील यांच्या हस्ते भोज सर्कल ऑफिसमध्ये वितरण करण्यात आला. कारखान्याकडे नियमित ऊस पुरवठा करणाऱ्या ऊस उत्पादक सभासदकरिता कारखान्याच्या स्वनिधीतून वैद्यकीय अर्थ सहाय्य योजनेअंतर्गत हृदय

विकार, कॅन्सर, मूत्रपिंड, मोतीबिंदू, काचबिंदू उपचारासाठी कारखान्याचे संस्थापक चेअरमन कल्लाप्पाण्णा आवाडे, आमदार प्रकाश आवाडे यांनी योजना सुरु केली. याच योजनेतून भोज येथील धन्याकुमार चौगुले यांना हृदय विकार उपचारासाठी हा 50 हजार रूपयेचा धनादेश सुपूर्द केला. यावेळी सिनियर अग्नीहोशर अनिल चौगुले, विश्वनाथ हिरेमठ, आप्पा दुर्गे, सर्कल अधिकारी वर्धमान ईसराणा, बाळासो मालवा, सुनील हिरीकुळे, अजित मगदूम, अमोल पाटील, अनिल झुलपे आदी उपस्थित होते.

जवाहर कारखान्याकडून वैद्यकीय अर्थसहाय्य वितरण

कारदगा (हिंदूसम्राट प्रतिनिधी रंगराव बजे यांजकडून):-जवाहर शेतकरी साखर कारखान्याच्या मार्फत संस्थापक चेअरमन कल्लाप्पाण्णा आवाडे व आमदार प्रकाश आवाडे यांच्या मार्गदर्शानुसार शिरगाव येथील ऊस उत्पादक सभासद कैलशमण सिद्धाप्या खिलारे यांचे वारसदार मुताप्या लक्ष्मण खिलारे यांना वैद्यकीय अर्थसहाय्य योजनेतून 50 हजार रूपयेचे अर्थसहाय्य धनादेश भोज सर्कल ऑफिसमध्ये संचालक सुमेरु पाटील व शीतल अमनावर यांच्या हस्ते सुपूर्द करण्यात आला.



वैद्यकीय अर्थसहाय्य योजनेतून हृदयविकार, कॅन्सर, मूत्रपिंड, मोतीबिंदू, काचबिंदू उपचारासाठी आर्थिक मदत देण्याची योजना सुरु केली आहे. त्याप्रमाणे शिरगाव येथील ऊस उत्पादक लक्ष्मण खिलारे यांना कॅन्सर आजारावर उपचार सुरु असता त्यांचा मृत्यू झाला. त्यामुळे त्यांना आर्थिक सहाय्य म्हणून त्यांचे वारसदार मुताप्या खिलारे यांच्याकडे 50 हजाराचा धनादेश सुपूर्द करण्यात आला. यावेळी एग्निहोवरीशियर वर्धमान इसराणा, बाळासो मालवा, अजित मगदूम, सुनील हिरीकुळे, अमोल पाटील, गजानन मठपती, वृषभ अक्कोळे, भरत भागाजे, बाबासो माणगावे, विलास टायशेही, संतोष पलसकर, संजय हसुरे, सिदनाळे, सुरेश पोवाडे आदी उपस्थित होते.

जवाहर साखर कारखान्यातर्फे वैद्यकीय अर्थसहाय्यक

अकिवाट/प्रतिनिधी-

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



धनादेश स्विकारल्यानंतर

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





Annexure – VII
Rain Water Harvesting

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 (Analyzer)



OCMS (Sensor)



Flow Meter on Treated Effluent Pipe

ESP for 20 & 90 TPH Boiler Capacity



ESP for 75 TPH Boiler Capacity

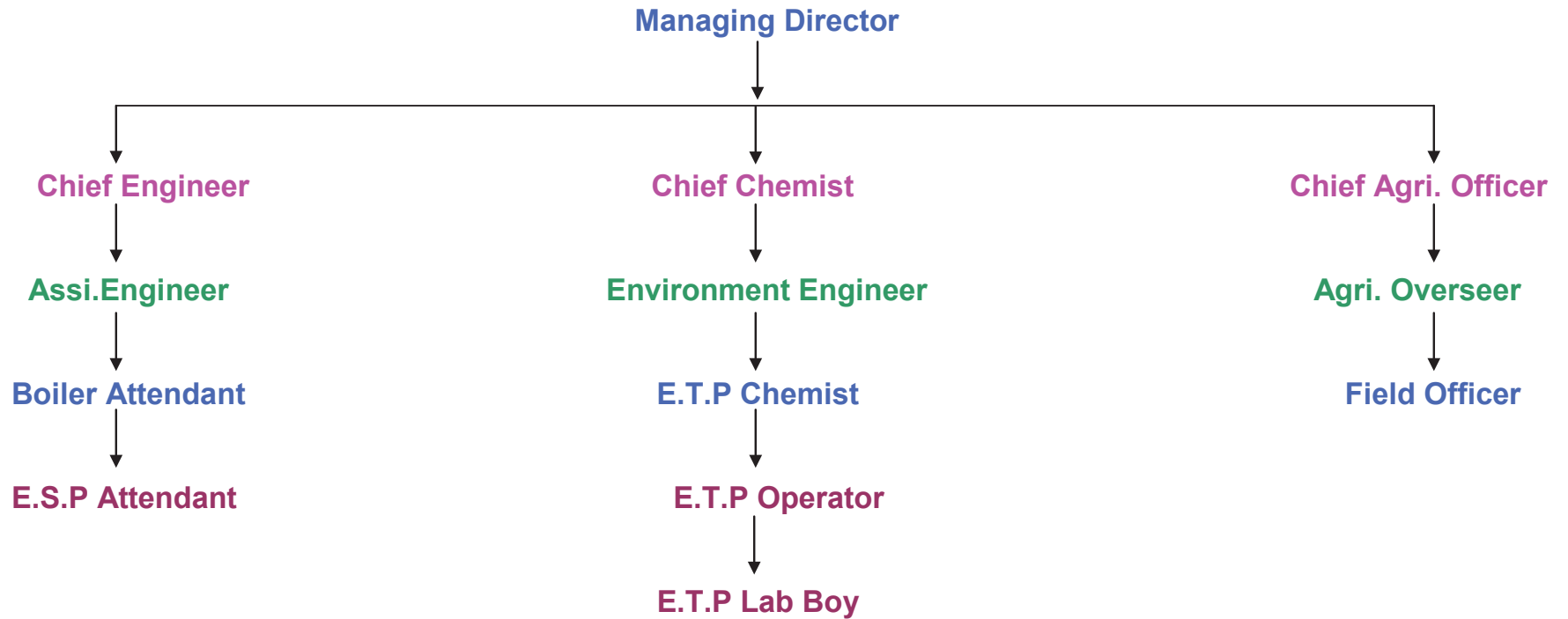


Annexure – X
Environment Management Cell
(EMC)

Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari

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


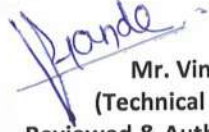
Environmental Management Cell



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





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

TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2022-23/11/785		Report Date	30/11/2022
Sample ID: -	GESEC/PRO/AAQM/2022-23/11/785			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Main Gate		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
02:00 P.M.	03:00 P.M.		60 Min	
Metrological Data/Environmental Conditions				
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	Analysis Start Date	Analysis End Date	
24/11/2022	25/11/2022	26/11/2022	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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	61.33
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	18.25
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	17.74
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	21.40
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		

Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- 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


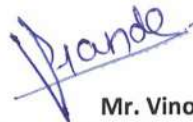
TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2022-23/11/786		Report Date	30/11/2022
Sample ID: -	GESEC/PRO/AAQM/2022-23/11/786			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near ETP		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
02:10 P.M.	03:10 P.M.		60 Min	
Metrological Data/Environmental Conditions				
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	Analysis Start Date	Analysis End Date	
24/11/2022	25/11/2022	26/11/2022	30/11/2022	
Name of Instrument	Respirable Dust Sampler	Date Of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	59.36
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	17.01
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	14.87
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	19.09
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
				
		 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By		

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- 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.
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/11/787		Report Date	30/11/2022	
Sample ID: -	GESEC/PRO/AAQM/2022-23/11/787				
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location			Sampling done by	
Ambient Air	Near Cane Yard			GESEC	
Sampling Time					
Start Time	Stop Time			Total Hrs.	
02:25 P.M.	03:25 P.M.			60 Min	
Metrological Data/Environmental Conditions					
Ambient Temperature °C	29.0	Wet Bulb Temperature °C	19		
Dry Bulb Temperature °C	29.0	Relative Humidity % RH	48.7		
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
24/11/2022	25/11/2022	26/11/2022	30/11/2022		
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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	63.86	
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	20.76	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	18.04	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	23.59	
Remark:-					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
					
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2022-23/11/788		Report Date	30/11/2022
Sample ID -	GESEC/PRO/ST/2022-23/11/788			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
24/11/2022	25/11/2022	26/11/2022	30/11/2022	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	5.00	
Height (m)		75		
Temperature (°C)	125	Velocity (m/s)	8.47	
Gas Volume (Nm ³ /Hr)		401649.21		
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	42.36
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	18.45
		Kg/day	-	177.85
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/NM³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2022-23/11/789	Report Date	30/11/2022	
Sample ID -	GESEC/PRO/ST/2022-23/11/789			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
24/11/2022	25/11/2022	26/11/2022	30/11/2022	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.5	Pressure	4.00	
Height (m)		72		
Temperature (°C)	120	Velocity (m/s)	7.53	
Gas Volume (Nm ³ /Hr)		100993.84		
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	39.86
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	17.41
		Kg/day	-	42.20
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/NM³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
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TEST REPORT

Test Report No: -	GESEC/PRO/ANLM/2022-23/11/790	Report Date	30/11/2022
Sample ID: -	GESEC/PRO/ANLM/2022-23/11/790		

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

Type	Ambient Noise
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Sampling done by	GESEC
Standard method	As Per IS: 9989:2020

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
24/11/2022	25/11/2022	26/11/2022	30/11/2022

Name Of Instrument	Digital Sound Level Meter	Date Of Calibration	17/10/2022
Calibration Certificate No.	SSEC/ME/266	Due Date of Calibration	16/10/2023

Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (04:00 P.M.)	Night (10:30 P.M.)	
Near Main Gate	dB(A)	60.3	57.1	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	68.7	62.4	
Near Bagasse Section	dB(A)	67.4	62.3	
Near Sugar Godown	dB(A)	65.9	61.8	
Near Cane Yard	dB(A)	66.2	63.0	

Remark-

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





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(Technical Manager)
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TEST REPORT				
Test Report No: -	GESEC/PRO/WNLM/2022-23/11/791		Report Date	30/11/2022
Sample ID: -	GESEC/PRO/WNLM/2022-23/11/791			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
24/11/2022	25/11/2022	26/11/2022	30/11/2022	
Name of Instrument	Sound Level Meter	Date of Calibration	07/10/2022	
Calibration Certificate No.	SSEC/ME/259	Due Date of Calibration	06/10/2023	
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (04:40 P.M.)	Night (11:30 P.M.)	
Centrifugal Section	dB(A)	83.1	80.4	≤ 90
Turbine Section	dB(A)	88.6	84.5	
Boiler Section	dB(A)	85.0	82.2	
Mill Section	dB(A)	87.3	82.7	
Pan Section	dB(A)	86.4	83.0	
Remark-				
<ul style="list-style-type: none"> ➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure. ➤ All above results are within Factories Act 1948 Standards. 				
				
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TEST 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 Details	ETP Inlet	
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	24/11/2022	
	Sample Receipt Date	25/11/2022	
	Analysis start Date	26/11/2022	
	Analysis End Date	30/11/2022	
Parameters	Results	Unit	Standard Method
pH	3.00	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	141.79	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	3251.42	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	3012.98	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	1497.20	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	963.32	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO4--	822.79	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	14.00	mg/lit	IS 3025 (Part 39), 2019
			
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TEST REPORT				
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	
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water	
		Volume Of Sample	1 Lit plastic bottle	
		Sample Status	Sealed	
		Sample Collected By	GESEC	
		Date of Sample Collection	24/11/2022	
		Sample Receipt Date	25/11/2022	
		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 23 rd 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:				
<ul style="list-style-type: none"> ➤ BDL – Below Detectable Limit. ➤ All parameters are within the MPCB limit. 				
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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2022-23/11/794		Report Date	30/11/2022
Sample ID: -	GESEC/PRO/WZM/2022-23/11/794			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
Ambient Air	Pan Section		GESEC	
	Sampling Time			
Start Time	Stop Time		Total Hrs.	
02:35 P.M.	03:35 P.M.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	32	Wet Bulb Temperature °C	23	
Dry Bulb Temperature °C	32	Relative Humidity % RH	46	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
24/11/2022	25/11/2022	26/11/2022	30/11/2022	
Name of Instrument	Handy Sampler	Date of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1517	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.346
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.008
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.012
Note:				
<ul style="list-style-type: none"> NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009. 				
				
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TEST REPORT

Test Report No: -	GESEC/PRO/WZM/2022-23/11/795		Report Date	30/11/2022	
Sample ID: -	GESEC/PRO/WZM/2022-23/11/795				
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
WORKZONE AIR QUALITY MONITORING RESULTS					
Type	Sampling Location		Sampling was done by		
Ambient Air	Sugar House		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
02:45 P.M.	03:45 P.M.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	32	Wet Bulb Temperature °C	23		
Dry Bulb Temperature °C	32	Relative Humidity % RH	46		
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
24/11/2022	25/11/2022	26/11/2022	30/11/2022		
Name Of Instrument	Personal Sampler	Date of Calibration	19/10/2022		
Calibration Certificate No.	SSEC/FF/1519	Due Date of Calibration	18/10/2023		
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.362	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.007	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.011	
Note:					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18 th November 2009.					
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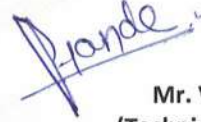
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TEST REPORT



Test Report No: -	GESEC/PRO/AAQM/2022-23/12/1113	Report Date	03/01/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/12/1113			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Main Gate		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
04:00 P.M.	05:00 P.M.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	29.0	Wet Bulb Temperature °C	17.0	
Dry Bulb Temperature °C	29.0	Relative Humidity % RH	28.3	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
28/12/2022	29/12/2022	30/12/2022	03/01/2023	
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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	63.86
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	20.09
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	18.02
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	24.11
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/12/1114	Report Date	03/01/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/12/1114			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near ETP		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
04:10 P.M.	05:10 P.M.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	29.0	Wet Bulb Temperature °C	17.0	
Dry Bulb Temperature °C	29.0	Relative Humidity % RH	28.3	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
28/12/2022	29/12/2022	30/12/2022	03/01/2023	
Name of Instrument	Repairable Dust Sampler	Date Of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	60.23
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	18.71
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	15.74
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	19.86
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By				


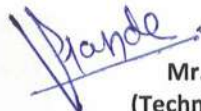
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/12/1115		Report Date	03/01/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/12/1115				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Near Cane Yard		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
04:20 P.M.	05:20 P.M.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	28.0	Wet Bulb Temperature °C	19		
Dry Bulb Temperature °C	28.0	Relative Humidity % RH	31.1		
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	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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	64.12	
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	21.16	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	16.74	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	21.85	
Remark:-					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
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TEST REPORT				
Test Report No	GESEC/PRO/AAQM/2022-23/12/1116	Report Date	03/01/2023	
Sample ID -	GESEC/PRO/AAQM/2022-23/12/1116			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
28/12/2022	29/12/2022	30/12/2022	03/01/2023	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	4.00	
Height (m)	75			
Temperature (°C)	130	Velocity (m/s)	7.62	
Gas Volume (Nm ³ /Hr)	357010.44			
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	38.63
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	16.87
		Kg/day	-	144.55
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/NM³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
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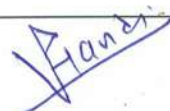
TEST REPORT				
Test Report No	GESEC/PRO/ST/2022-23/12/1117		Report Date	03/01/2023
Sample ID -	GESEC/PRO/ST/2022-23/12/1117			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
28/12/2022	29/12/2022	30/12/2022	03/01/2023	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.5	Pressure	3.00	
Height (m)	72			
Temperature (°C)	125	Velocity (m/s)	6.56	
Gas Volume (Nm ³ /Hr)	86912.11			
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	43.13
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	19.50
		Kg/day	-	40.67
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/NM³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
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TEST REPORT				
Test Report No: -	GESEC/PRO/ANLM/2022-23/12/1118	Report Date	03/01/2023	
Sample ID: -	GESEC/PRO/ANLM/2022-23/12/1118			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Noise Sample Details				
Type	Ambient Noise			
Sampling done by	GESEC			
Standard method	As 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 of Calibration	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	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	65.3	64.2	
Near Bagasse Section	dB(A)	70.2	66.3	
Near Sugar Godown	dB(A)	68.9	64.7	
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) during the Night Time.				
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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		

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

Work Zone Noise Sample Details

Type	Work Zone Noise
Sampling done by	GESEC
Standard method	As 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	Sound Level Meter	Date of Calibration	07/10/2022
Calibration Certificate No.	SSEC/ME/259	Due Date of Calibration	06/10/2023

Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (06:20 P.M.)	Night (11:40 P.M.)	
Centrifugal Section	dB(A)	86.9	84.1	≤ 90
Turbine Section	dB(A)	89.0	87.2	
Boiler Section	dB(A)	87.2	85.7	
Mill Section	dB(A)	88.5	84.1	
Pan Section	dB(A)	88.1	86.0	

Remark-

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

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TEST REPORT			
Test Report No GESEC/PRO/WW/2022-23/12/1120	Report Date	03/01/2023	
Sample ID : GESEC/PRO/WW/2022-23/12/1120	Sample Details	ETP Inlet	
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	28/12/2022	
	Sample Receipt Date	29/12/2022	
	Analysis start 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 23 rd 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 Cl- B,23rd Edition, 2017
Sulphates as SO4--	741.77	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	13.00	mg/lit	IS 3025 (Part 39), 2019
			
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TEST REPORT

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 Details	ETP Outlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	28/12/2022
	Sample Receipt Date	29/12/2022
	Analysis start Date	30/12/2022
	Analysis End Date	03/01/2023

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.53	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	17.40	100	mg/lit	APHA 2540 D 23 rd ED: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 Cl- 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.


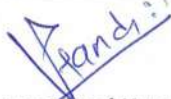


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TEST REPORT			
Test Report No: GESEC/PRO/WW/2022-23/12/1122		Report Date	03/01/2023
Sample ID : GESEC/PRO/WW/2022-23/12/1122		Sample Details	Factory STP Inlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	28/12/2022
		Sample Receipt Date	29/12/2022
		Analysis start Date	30/12/2022
		Analysis End Date	03/01/2023
Parameters	Results	Unit	Standard Method
pH	6.10	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	67.40	mg/lit	APHA 2540 D 23 rd 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 ⁻	186.52	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	110.67	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	mg/lit	IS 3025 (Part 39), 2019
Remark: > BDL – Below Detectable Limit.			
			
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2022-23/12/1123		Report Date		03/01/2023
Sample ID : GESEC/PRO/WW/2022-23/12/1123		Sample Details		Factory STP Outlet
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		28/12/2022
		Sample Receipt Date		29/12/2022
		Analysis start Date		30/12/2022
		Analysis End Date		03/01/2023
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.74	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	16.28	100	mg/lit	APHA 2540 D 23 rd 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 ⁻	95.63	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	64.20	1000	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 39), 2019
Remark:				
<ul style="list-style-type: none"> ➤ BDL – Below Detectable Limit. ➤ All parameters are within the MPCB limit. 				
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TEST REPORT

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: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	28/12/2022
	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 23 rd 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 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	145.96	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	mg/lit	IS 3025 (Part 39), 2019

Remark:

- BDL – Below Detectable Limit.



Hande

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

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TEST REPORT				
Test Report No: GESEC/PRO/WW/2022-23/12/1125		Report Date		03/01/2023
Sample ID : GESEC/PRO/WW/2022-23/12/1125		Sample Details		Colony STP Outlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		28/12/2022
		Sample Receipt Date		29/12/2022
		Analysis start Date		30/12/2022
		Analysis End Date		03/01/2023
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.50	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	17.63	100	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	596.20	2100	mg/lit	APHA 2540,C,23rd Edition, 2017
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 ⁻	102.56	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	78.01	1000	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 39), 2019
Remark:				
<ul style="list-style-type: none"> ➤ BDL – Below Detectable Limit. ➤ All parameters are within the MPCB limit. 				
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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2022-23/12/1260		Report Date	03/01/2023
Sample ID: -	GESEC/PRO/WZM/2022-23/12/1260			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
Ambient Air	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
04:30 P.M.	05:30 P.M.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30	Wet Bulb Temperature °C	22	
Dry Bulb Temperature °C	30	Relative Humidity % RH	49	
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	Handy Sampler	Date of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1517	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.412
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.009
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.013
Note:				
<ul style="list-style-type: none"> NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009. 				
				
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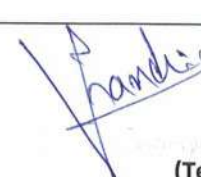
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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2022-23/12/1261		Report Date	03/01/2023
Sample ID: -	GESEC/PRO/WZM/2022-23/12/1261			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling was done by	
Ambient Air	Sugar House		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
04:40 P.M.	05:40 P.M.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30	Wet Bulb Temperature °C	22	
Dry Bulb Temperature °C	30	Relative Humidity % RH	49	
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	Personal Sampler	Date of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1519	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.341
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.008
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.010
Note:				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18 th November 2009.				
				
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TEST 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			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Main Gate		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
09:00 A.M.	10:00 A.M.		60 Min	
Metrological Data/Environmental Conditions				
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 Date	
25/01/2023	27/01/2023	28/01/2023	01/02/2023	
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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	61.36
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	21.50
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	16.57
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	23.40
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
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TEST REPORT



Test Report No: -	GESEC/PRO/AAQM/2022-23/01/779		Report Date	01/02/2023
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/779			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near ETP		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
09:10 A.M.	10:10 A.M.		60 Min	
Metrological Data/Environmental Conditions				
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 Date	
25/01/2023	27/01/2023	28/01/2023	01/02/2023	
Name of Instrument	Respirable Dust Sampler	Date Of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	60.83
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	20.69
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	14.78
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	20.10
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
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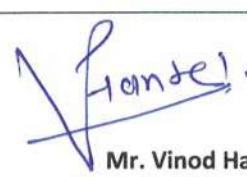
TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/01/780		Report Date	01/02/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/780				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Near Cane Yard		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
09:20 A.M.	10:20 A.M.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	23.0	Wet Bulb Temperature °C	17.0		
Dry Bulb Temperature °C	23.0	Relative Humidity % RH	54.6		
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 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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	63.36	
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	23.07	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	15.45	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	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.					
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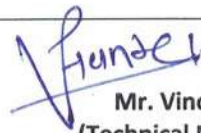
TEST REPORT				
Test Report No	GESEC/PRO/ST/2022-23/01/781		Report Date	01/02/2023
Sample ID -	GESEC/PRO/ST/2022-23/01/781			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
25/01/2023	27/01/2023	28/01/2023	01/02/2023	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	3.00	
Height (m)	75			
Temperature (°C)	125	Velocity (m/s)	6.56	
Gas Volume (Nm ³ /Hr)	311116.14			
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	42.36
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	15.42
		Kg/day	-	115.14
Remarks-				
➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/NM ³ .				
➤ Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				
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TEST REPORT				
Test Report No	GESEC/PRO/ST/2022-23/01/782		Report Date	01/02/2023
Sample ID -	GESEC/PRO/ST/2022-23/01/782			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
25/01/2023	27/01/2023	28/01/2023	01/02/2023	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.5	Pressure	4.00	
Height (m)	72			
Temperature (°C)	120	Velocity (m/s)	7.53	
Gas Volume (Nm ³ /Hr)	100993.84			
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	40.63
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	14.97
		Kg/day	-	36.29
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/Nm³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
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TEST REPORT

Test Report No: -	GESEC/PRO/ANLM/2022-23/01/783	Report Date	01/02/2023
Sample ID: -	GESEC/PRO/ANLM/2022-23/01/783		

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

Type	Ambient Noise
Sampling done by	GESEC
Standard method	As Per IS: 9989:2020

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
25/01/2023	---	----	----

Name Of Instrument	Digital Sound Level Meter	Date Of Calibration	17/10/2022
Calibration Certificate No.	SSEC/ME/266	Due Date of Calibration	16/10/2023

Test Location	Unit	Average Noise 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 = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	63.0	62.2	
Near Bagasse Section	dB(A)	68.2	64.9	
Near Sugar Godown	dB(A)	69.0	64.8	
Near Cane Yard	dB(A)	72.1	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) during the Night Time.




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

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TEST REPORT				
Test Report No: -	GESEC/PRO/WNLM/2022-23/01/784	Report Date	01/02/2023	
Sample ID: -	GESEC/PRO/WNLM/2022-23/01/784			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25/01/2023	---	---	---	
Name of Instrument	Sound Level Meter	Date of Calibration	07/10/2022	
Calibration Certificate No.	SSEC/ME/259	Due Date of Calibration	06/10/2023	
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (12:30 P.M.)	Night (10:45 P.M.)	
Centrifugal Section	dB(A)	84.8	82.2	≤ 90
Turbine Section	dB(A)	87.6	84.8	
Boiler Section	dB(A)	84.8	83.0	
Mill Section	dB(A)	83.5	81.1	
Pan Section	dB(A)	85.2	82.7	
Remark-				
<ul style="list-style-type: none"> ➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure. ➤ All above results are within Factories Act 1948 Standards. 				
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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	
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	25/01/2023	
	Sample Receipt Date	27/01/2023	
	Analysis start Date	28/01/2023	
	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 rd 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
Oil & Grease	12.00	mg/lit	IS 3025 (Part 39), 2019
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2022-23/01/786		Report Date		01/02/2023
Sample ID : GESEC/PRO/WW/2022-23/01/786		Sample Details		ETP Outlet
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		25/01/2023
		Sample Receipt Date		27/01/2023
		Analysis start Date		28/01/2023
		Analysis End Date		01/02/2023
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.64	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	16.47	100	mg/lit	APHA 2540 D 23 rd 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 Cl- B,23rd Edition, 2017
Sulphates as SO4 --	74.19	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.				
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2022-23/01/787		Report Date	01/02/2023
Sample ID : GESEC/PRO/WW/2022-23/01/787		Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	25/01/2023
		Sample Receipt Date	27/01/2023
		Analysis start Date	28/01/2023
		Analysis End Date	01/02/2023
Parameters	Results	Unit	Standard Method
pH	6.22	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	82.47	mg/lit	APHA 2540 D 23 rd 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 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	85.79	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl ⁻	210.64	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	165.98	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.			
			
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TEST REPORT				
Test Report No: GESEC/PRO/WW/2022-23/01/788		Report Date		01/02/2023
Sample ID : GESEC/PRO/WW/2022-23/01/788		Sample Details		Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		25/01/2023
		Sample Receipt Date		27/01/2023
		Analysis start Date		28/01/2023
		Analysis End 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 23 rd 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 ⁻	78.02	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	66.39	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.				
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TEST REPORT			
Test Report No: GESEC/PRO/WW/2022-23/01/789		Report Date	01/02/2023
Sample ID : GESEC/PRO/WW/2022-23/01/789		Sample Details	Colony STP Inlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	25/01/2023
		Sample Receipt Date	27/01/2023
		Analysis start Date	28/01/2023
		Analysis End Date	01/02/2023
Parameters	Results	Unit	Standard Method
pH	6.30	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	75.41	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	1143.69	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	142.07	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	66.81	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl ⁻	156.92	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	136.92	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.			
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TEST REPORT

Test Report No: GESEC/PRO/WW/2022-23/01/790		Report Date		01/02/2023
Sample ID : GESEC/PRO/WW/2022-23/01/790		Sample Details		Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		25/01/2023
		Sample Receipt Date		27/01/2023
		Analysis start Date		28/01/2023
		Analysis End Date		01/02/2023
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.45	6.5-8.5	--	APHA 4500 H+,B 23rd 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 58) , 2019
Biochemical Oxygen Demand (BOD)	14.07	100	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl ⁻	86.92	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	65.11	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.				
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TEST REPORT				
Test Report No: -	GESEC/PRO/WZM/2022-23/01/795		Report Date	01/02/2023
Sample ID: -	GESEC/PRO/WZM/2022-23/01/795			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
Ambient Air	Pan Section		GESEC	
	Sampling Time			
Start Time	Stop Time		Total Hrs.	
09:30 A.M.	10:30 A.M.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	26.0	Wet Bulb Temperature °C	19.0	
Dry Bulb Temperature °C	26.0	Relative Humidity % RH	51.0	
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	Handy Sampler	Date of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1517	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.437
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.008
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.013
Note:				
<ul style="list-style-type: none"> NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009. 				
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TEST REPORT

Test Report No: -	GESEC/PRO/WZM/2022-23/01/796	Report Date	01/02/2023
Sample ID: -	GESEC/PRO/WZM/2022-23/01/796		

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

Type	Sampling Location	Sampling done by
Ambient Air	Sugar House	GESEC
Sampling Time		
Start Time	Stop Time	Total Hrs.
09:40 A.M.	10:40 A.M.	60 Min

Metrological Data/Environmental Conditions

Ambient Temperature °C	26.0	Wet Bulb Temperature °C	19.0
Dry Bulb Temperature °C	26.0	Relative Humidity % RH	51.0

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	Personal Sampler	Date of Calibration	19/10/2022
Calibration Certificate No.	SSEC/FF/1519	Due Date of Calibration	18/10/2023

Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.326
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.007
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	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.



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(Technical Manager)
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/01/797		Report Date	01/02/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/797				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Talandage Village (Upwind West)		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
08:00 AM.	09:00 AM.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	22.0	Wet Bulb Temperature °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 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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	56.13	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	10.74	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	14.29	
Remark					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/01/798	Report Date	01/02/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/798			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Jangamwadi Village (Downwind East)		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
09:00 AM.	10:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
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 End Date	
25/01/2023	27/01/2023	28/01/2023	01/02/2023	
Name of Instrument	Respirable Dust Sampler	Date Of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	58.66
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	12.47
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	16.01
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
				 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

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TEST REPORT



Test Report No. -	GESEC/PRO/AAQM/2022-23/02/636		Report Date	03/03/2023	
Sample ID. -	GESEC/PRO/AAQM/2022-23/02/636				
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location			Sampling done by	
Ambient Air	Near Main Gate			GESEC	
Sampling Time					
Start Time	Stop Time			Total Hrs.	
11:30 AM.	12:30 PM.			60 Min	
Metrological Data/Environmental Conditions					
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 End 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 of Calibration		18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	60.23	
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	20.00	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	14.78	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	21.94	
Remark					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/02/637		Report Date	03/03/2023
Sample ID: -	GESEC/PRO/AAQM/2022-23/02/637			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near ETP		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
11:40 AM.	12:40 PM.		60 Min	
Metrological Data/Environmental Conditions				
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 End Date	
24/02/2023	25/02/2023	27/02/2023	03/03/2023	
Name of Instrument	Respirable Dust Sampler	Date Of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	59.13
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	18.33
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	12.45
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	17.96
Remark				
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.				
				
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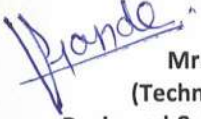
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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/02/638		Report Date	03/03/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/02/638				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Near Cane Yard		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
11:50 AM.	12:50 PM.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	31.0	Wet Bulb Temperature °C		15.0	
Dry Bulb Temperature °C	31.0	Relative Humidity % RH		14.1	
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date	
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	Unit	NAAQ Standards	Result	
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	61.36	
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	22.85	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	14.52	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):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.					
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TEST REPORT				
Test Report No	GESEC/ST/2022-23/02/639	Report Date	03/03/2023	
Sample ID -	GESEC/ST/2022-23/02/639			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
24/02/2023	25/02/2023	27/02/2023	03/03/2023	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	4.00	
Height (m)	75			
Temperature (°C)	130	Velocity (m/s)	7.62	
Gas Volume (Nm ³ /Hr)	357010.44			
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	40.13
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	19.20
		Kg/day	-	164.51
Remarks-				
> Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/NM ³ . > Maharashtra Pollution Control Board (MPCB) Limits: SO ₂ : As per consent.				
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TEST REPORT

Test Report No	GESEC/ST/2022-23/02/640		Report Date	03/03/2023
Sample ID -	GESEC/ST/2022-23/02/640			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
24/02/2023	25/02/2023	27/02/2023	03/03/2023	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.5	Pressure	3.00	
Height (m)	72			
Temperature (°C)	125	Velocity (m/s)	6.56	
Gas Volume (Nm³/Hr)	86912.11			
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	38.83
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	15.60
		Kg/day	-	32.54
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/Nm³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
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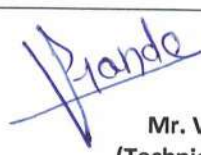
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TEST REPORT				
Test Report No: -	GESEC/ANLM/2022-23/02/641	Report Date	03/03/2023	
Sample ID: -	GESEC/ANLM/2022-23/02/641			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Noise Sample Details				
Type	Ambient Noise			
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
24/02/2023	---	---	---	
Name Of Instrument	Digital Sound Level Meter	Date Of Calibration	17/10/2022	
Calibration Certificate No.	SSEC/ME/266	Due Date of Calibration	16/10/2023	
Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (02:30 P.M.)	Night (10:15 P.M.)	
Near Main Gate	dB(A)	63.8	62.1	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	64.0	61.5	
Near Bagasse Section	dB(A)	66.9	64.2	
Near Sugar Godown	dB(A)	67.1	66.9	
Near Cane Yard	dB(A)	70.1	68.9	
Remark-				
➤ Central Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.				
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TEST REPORT

Test Report No: -	GESEC/WNLM/2022-23/02/642		Report Date	03/03/2023
Sample ID: -	GESEC/WNLM/2022-23/02/642			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date
24/02/2023	---	---		---
Name of Instrument	Sound Level Meter	Date of Calibration		07/10/2022
Calibration Certificate No.	SSEC/ME/259	Due Date of Calibration		06/10/2023
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (03:10 P.M.)	Night (10:55 P.M.)	
Centrifugal Section	dB(A)	80.4	78.2	≤ 90
Turbine Section	dB(A)	80.2	78.4	
Boiler Section	dB(A)	85.1	84.7	
Mill Section	dB(A)	86.4	82.9	
Pan Section	dB(A)	86.8	83.0	
Remark-				
<ul style="list-style-type: none"> ➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure. ➤ All above results are within Factories Act 1948 Standards. 				



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TEST REPORT

Test Report No: GESEC/WW/2022-23/02/643	Report Date	03/03/2023
Sample ID : GESEC/WW/2022-23/02/643	Sample Details	ETP Inlet
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	24/02/2023
	Sample Receipt Date	25/02/2023
	Analysis start Date	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 rd 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 SO ₄ ²⁻	746.93	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	14.00	mg/lit	IS 3025 (Part 39), 2019

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TEST REPORT		
Test Report No: GESEC/WW/2022-23/02/644	Report Date	03/03/2023
Sample ID : GESEC/WW/2022-23/02/644	Sample Details	ETP Outlet
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	24/02/2023
	Sample Receipt Date	25/02/2023
	Analysis start Date	27/02/2023
	Analysis End Date	03/03/2023

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.52	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	19.45	100	mg/lit	APHA 2540 D 23 rd 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	mg/lit	IS 3025 (Part 39), 2019

Remark:

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



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TEST REPORT			
Test Report No: GESEC/WW/2022-23/02/645		Report Date	03/03/2023
Sample ID : GESEC/WW/2022-23/02/645		Sample Details	Factory STP Inlet 50 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	24/02/2023
		Sample Receipt Date	25/02/2023
		Analysis start Date	27/02/2023
		Analysis End Date	03/03/2023
Parameters	Results	Unit	Standard Method
pH	6.10	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	95.62	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	1221.89	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	145.07	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	91.64	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl ⁻	256.71	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	143.95	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.			
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TEST REPORT				
Test Report No: GESEC/WW/2022-23/02/646		Report Date		03/03/2023
Sample ID : GESEC/WW/2022-23/02/646		Sample Details		Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		24/02/2023
		Sample Receipt Date		25/02/2023
		Analysis start Date		27/02/2023
		Analysis End Date		03/03/2023
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.62	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	14.71	100	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	495.62	2100	mg/lit	APHA 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 ⁻	75.42	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	62.05	1000	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 39), 2019
Remark:				
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TEST REPORT			
Test Report No: GESEC/WW/2022-23/02/647		Report Date	03/03/2023
Sample ID : GESEC/WW/2022-23/02/647		Sample Details	Colony STP Inlet 100 KLPD
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	24/02/2023
		Sample Receipt Date	25/02/2023
		Analysis start Date	27/02/2023
		Analysis End Date	03/03/2023
Parameters	Results	Unit	Standard Method
pH	6.01	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	102.65	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	1452.98	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	172.63	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	96.52	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl ⁻	186.77	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	151.34	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	mg/lit	IS 3025 (Part 39), 2019
Remark:			
<ul style="list-style-type: none"> ➤ BDL – Below Detectable Limit. ➤ All parameters are within the MPCB limit. 			
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TEST REPORT

Test Report No: GESEC/WW/2022-23/02/648	Report Date	03/03/2023
Sample ID : GESEC/WW/2022-23/02/648	Sample Details	Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	24/02/2023
	Sample Receipt Date	25/02/2023
	Analysis start Date	27/02/2023
	Analysis End Date	03/03/2023

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.52	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	18.99	100	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	562.31	2100	mg/lit	APHA 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 ⁻	95.41	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	70.12	1000	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	BDL	10	mg/lit	IS 3025 (Part 39), 2019

Remark:

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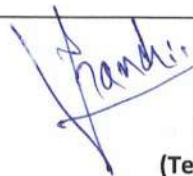
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TEST REPORT

Test Report No: -	GESEC/WZM/2022-23/02/651	Report Date	03/03/2023	
Sample ID: -	GESEC/WZM/2022-23/02/651			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
Ambient Air	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
11:20 AM.	12:20 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30.0	Wet Bulb Temperature °C	20.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH	39.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
24/02/2023	25/02/2023	27/02/2023	03/03/2023	
Name of Instrument	Handy Sampler	Date of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1517	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.529
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.009
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.012
Note:				
<ul style="list-style-type: none"> NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009. 				
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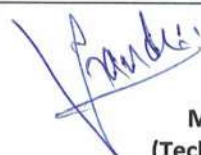
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TEST REPORT

Test Report No: -	GESEC/WZM/2022-23/02/652		Report Date	03/03/2023	
Sample ID: -	GESEC/WZM/2022-23/02/652				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
WORKZONE AIR QUALITY MONITORING RESULTS					
Type	Sampling Location		Sampling was done by		
Ambient Air	Sugar House		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
11:30 AM.	12:30 PM.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	30.0	Wet Bulb Temperature °C	20.0		
Dry Bulb Temperature °C	30.0	Relative Humidity % RH	39.0		
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
24/02/2023	25/02/2023	27/02/2023	03/03/2023		
Name Of Instrument	Personal Sampler	Date of Calibration	19/10/2022		
Calibration Certificate No.	SSEC/FF/1519	Due Date of Calibration	18/10/2023		
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.391	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.008	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.014	
Note:					
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TEST REPORT


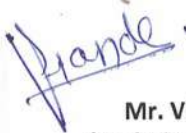
Test Report No: -	GESEC/AAQM/2022-23/03/248	Report Date	20/03/2023		
Sample ID: -	GESEC/AAQM/2022-23/03/248				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Near Main Gate		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
10:45 AM.	11:45 AM.		60 Min		
Metrological Data/Environmental Conditions					
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 End Date	
14/03/2023	16/03/2023	16/03/2023		20/03/2023	
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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	61.86	
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	20.90	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	13.75	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	20.40	
Remark					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
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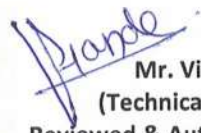
TEST REPORT

Test Report No: -	GESEC/AAQM/2022-23/03/249	Report Date	20/03/2023		
Sample ID: -	GESEC/AAQM/2022-23/03/249				
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location			Sampling done by	
Ambient Air	Near ETP			GESEC	
Sampling Time					
Start Time	Stop Time			Total Hrs.	
10:55 AM.	11:55 AM.			60 Min	
Metrological Data/Environmental Conditions					
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 End Date	
14/03/2023	16/03/2023	16/03/2023		20/03/2023	
Name of Instrument	Respirable Dust Sampler	Date Of Calibration		19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration		18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	58.33	
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	17.65	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	11.02	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	16.89	
Remark					
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Test Report No. -	GESEC/AAQM/2022-23/03/250	Report Date	20/03/2023	
Sample ID. -	GESEC/AAQM/2022-23/03/250			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Near Cane Yard		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
11:10 AM.	12:10 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	27.0	Wet Bulb Temperature °C	16.0	
Dry Bulb Temperature °C	27.0	Relative Humidity % RH	30.3	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End 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	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	63.36
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	µg/cum	60.00	21.86
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	15.41
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	22.78
Remark:-				
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TEST REPORT				
Test Report No	GESEC/ST/2022-23/03/251	Report Date	20/03/2023	
Sample ID -	GESEC/ST/2022-23/03/251			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
14/03/2023	16/03/2023	16/03/2023	20/03/2023	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 1 (90+20 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	4.73	Pressure	3.00	
Height (m)	75			
Temperature (°C)	135	Velocity (m/s)	6.64	
Gas Volume (Nm ³ /Hr)	307279.79			
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	38.33
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	15.41
		Kg/day	-	113.64
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/NM³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

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TEST REPORT				
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. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Sample Details				
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date	
14/03/2023	16/03/2023	16/03/2023	20/03/2023	
Instrument Details				
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 Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Stack 2 (75 TPH)		GESEC	
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	2.5	Pressure	4.00	
Height (m)	72			
Temperature (°C)	130	Velocity (m/s)	7.62	
Gas Volume (Nm ³ /Hr)	99732.95			
Parameters	Method	Unit	Limit	Result
Suspended Particulate Matter (SPM)	IS 11255 (Part 1) 2019	mg/Nm ³	150	35.63
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	mg/Nm ³	-	12.47
		Kg/day	-	29.85
Remarks-				
<ul style="list-style-type: none"> ➤ Maharashtra Pollution Control Board (MPCB) Limits: SPM: 150 mg/Nm³. ➤ Maharashtra Pollution Control Board (MPCB) Limits: SO₂: As per consent. 				
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TEST REPORT

Test Report No: -	GESEC/ANLM/2022-23/03/253	Report Date	20/03/2023
Sample ID: -	GESEC/ANLM/2022-23/03/253		

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

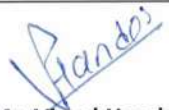
Type	Ambient Noise
Sampling done by	GESEC
Standard method	As Per IS: 9989:2020

Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date
14/03/2023	--	---	--

Name Of Instrument	Digital Sound Level Meter	Date Of Calibration	17/10/2022
Calibration Certificate No.	SSEC/ME/266	Due Date of Calibration	16/10/2023

Test Location	Unit	Average Noise Level Readings		CPCB Standards dB(A)
		Day (01:10 P.M.)	Night (10:30 P.M.)	
Near Main Gate	dB(A)	59.4	57.1	During Day time = 75 dB (A) During Night time= 70 dB(A)
Near ETP	dB(A)	63.9	60.5	
Near Bagasse Section	dB(A)	68.2	67.4	
Near Sugar Godown	dB(A)	64.5	62.9	
Near Cane Yard	dB(A)	68.0	66.7	

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



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TEST REPORT



Test Report No: -	GESEC/WNLM/2022-23/03/254	Report Date	20/03/2023	
Sample ID: -	GESEC/WNLM/2022-23/03/254			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Work Zone Noise Sample Details				
Type	Work Zone Noise			
Sampling done by	GESEC			
Standard method	As Per IS: 9989:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
14/03/2023	--	---	--	
Name of Instrument	Sound Level Meter	Date of Calibration	07/10/2022	
Calibration Certificate No.	SSEC/ME/259	Due Date of Calibration	06/10/2023	
Test Location	Unit	Average Noise Level Readings		The Factories Act 1948, standards
		Day (02:00 P.M.)	Night (11:15 P.M.)	
Centrifugal Section	dB(A)	78.9	77.0	≤ 90
Turbine Section	dB(A)	85.7	82.2	
Boiler Section	dB(A)	86.0	84.7	
Mill Section	dB(A)	82.5	80.9	
Pan Section	dB(A)	84.3	81.3	
Remark-				
➤ The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure. ➤ All above results are within Factories Act 1948 Standards.				
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TEST REPORT			
Test Report No: GESEC/WW/2022-23/03/255	Report Date	20/03/2023	
Sample ID : GESEC/WW/2022-23/03/255	Sample Details	ETP Inlet	
Name & Address of the Customer: M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water	
	Volume Of Sample	1 Lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	14/03/2023	
	Sample Receipt Date	16/03/2023	
	Analysis start Date	16/03/2023	
	Analysis End Date	20/03/2023	
Parameters	Results	Unit	Standard Method
pH	3.43	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	164.78	mg/lit	APHA 2540 D 23 rd 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 SO ₄ ⁻	854.77	mg/lit	APHA 3025 (Part 24) ;2019
Oil & Grease	13.00	mg/lit	IS 3025 (Part 39), 2019
 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By			
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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
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)	Type of Sample	Waste Water
	Volume Of Sample	1 Lit plastic bottle
	Sample Status	Sealed
	Sample Collected By	GESEC
	Date of Sample Collection	14/03/2023
	Sample Receipt Date	16/03/2023
	Analysis start Date	16/03/2023
	Analysis End Date	20/03/2023

Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	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 rd 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:

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



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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
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample	Waste Water
		Volume Of Sample	1 Lit plastic bottle
		Sample Status	Sealed
		Sample Collected By	GESEC
		Date of Sample Collection	14/03/2023
		Sample Receipt Date	16/03/2023
		Analysis start Date	16/03/2023
		Analysis End Date	20/03/2023
Parameters	Results	Unit	Standard Method
pH	6.26	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	135.74	mg/lit	APHA 2540 D 23 rd 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 ⁻	362.10	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	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.			
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TEST REPORT				
Test Report No: GESEC/WW/2022-23/03/258		Report Date		20/03/2023
Sample ID : GESEC/WW/2022-23/03/258		Sample Details		Factory STP Outlet 50 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		14/03/2023
		Sample Receipt Date		16/03/2023
		Analysis start Date		16/03/2023
		Analysis End Date		20/03/2023
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.58	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	16.71	100	mg/lit	APHA 2540 D 23 rd 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
Chlorides as Cl ⁻	87.63	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	58.10	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.				
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TEST REPORT			
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 (Maharashtra)		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
		Sample Receipt Date	16/03/2023
		Analysis start Date	16/03/2023
		Analysis End Date	20/03/2023
Parameters	Results	Unit	Standard Method
pH	6.12	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	117.42	mg/lit	APHA 2540 D 23 rd 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, 2017
Sulphates as SO ₄ ²⁻	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.			
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TEST REPORT				
Test Report No: GESEC/WW/2022-23/03/260		Report Date		20/03/2023
Sample ID : GESEC/WW/2022-23/03/260		Sample Details		Colony STP Outlet 100 KLPD
Name & Address of the Customer: M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)		Type of Sample		Waste Water
		Volume Of Sample		1 Lit plastic bottle
		Sample Status		Sealed
		Sample Collected By		GESEC
		Date of Sample Collection		14/03/2023
		Sample Receipt Date		16/03/2023
		Analysis start Date		16/03/2023
		Analysis End Date		20/03/2023
Parameters	Results	MPCB LIMIT	Unit	Standard Method
pH	7.48	6.5-8.5	--	APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	16.09	100	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	611.84	2100	mg/lit	APHA 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 ⁻	102.69	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄ ²⁻	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.				
➤ All parameters are within the MPCB limit.				
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TEST REPORT				
Test Report No: -	GESEC/WZM/2022-23/03/261		Report Date	20/03/2023
Sample ID: -	GESEC/WZM/2022-23/03/261			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
Ambient Air	Pan Section		GESEC	
		Sampling Time		
Start Time	Stop Time		Total Hrs.	
11:20 AM.	12:20 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	32.0	Wet Bulb Temperature °C	12.0	
Dry Bulb Temperature °C	32.0	Relative Humidity % RH	32.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
14/03/2023	16/03/2023	16/03/2023	20/03/2023	
Name of Instrument	Handy Sampler	Date of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1517	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.487
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.010
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.013
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.				
 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By				

END OF REPORT





Terms and conditions

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- 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/WZM/2022-23/03/262		Report Date	20/03/2023
Sample ID: -	GESEC/WZM/2022-23/03/262			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling was done by	
Ambient Air	Sugar House		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
11:30 AM.	12:30 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	32.0	Wet Bulb Temperature °C	12.0	
Dry Bulb Temperature °C	32.0	Relative Humidity % RH	32.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
14/03/2023	16/03/2023	16/03/2023	20/03/2023	
Name Of Instrument	Personal Sampler	Date of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1519	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.374
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.007
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	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 18 th November 2009.				
  Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By				

END OF REPORT

Terms and conditions


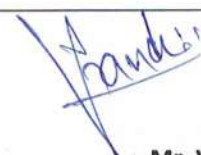
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6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

Annexure – XII
Monitoring Report
(Downwind –Upwind)



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

TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/01/797		Report Date	01/02/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/797				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
Ambient Air Sample Details					
Type	Sampling Location		Sampling done by		
Ambient Air	Talandage Village (Upwind West)		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
08:00 AM.	09:00 AM.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	22.0	Wet Bulb Temperature °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 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 (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	56.13	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	10.74	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	14.29	
Remark					
➤ NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.					
					
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By		

END OF REPORT



Terms and conditions

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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/01/798	Report Date	01/02/2023	
Sample ID: -	GESEC/PRO/AAQM/2022-23/01/798			
Name & Address of the Customer	M/s. Kallappanna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
Ambient Air Sample Details				
Type	Sampling Location		Sampling done by	
Ambient Air	Jangamwadi Village (Downwind East)		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
09:00 AM.	10:00 AM.		60 Min	
Metrological Data/Environmental Conditions				
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 End Date	
25/01/2023	27/01/2023	28/01/2023	01/02/2023	
Name of Instrument	Respirable Dust Sampler	Date Of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	µg/cum	100.00	58.66
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/cum	80.00	12.47
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	µg/cum	80.00	16.01
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

END OF REPORT

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Annexure – XIII
Monitoring Report
Fugitive Emission



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/2022-23/02/651		Report Date	03/03/2023
Sample ID: -	GESEC/WZM/2022-23/02/651			
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)			
WORKZONE AIR QUALITY MONITORING RESULTS				
Type	Sampling Location		Sampling done by	
Ambient Air	Pan Section		GESEC	
Sampling Time				
Start Time	Stop Time		Total Hrs.	
11:20 AM.	12:20 PM.		60 Min	
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30.0	Wet Bulb Temperature °C	20.0	
Dry Bulb Temperature °C	30.0	Relative Humidity % RH	39.0	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
24/02/2023	25/02/2023	27/02/2023	03/03/2023	
Name of Instrument	Handy Sampler	Date of Calibration	19/10/2022	
Calibration Certificate No.	SSEC/FF/1517	Due Date of Calibration	18/10/2023	
Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.529
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.009
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.012
Note:				
<ul style="list-style-type: none"> 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	

END OF REPORT


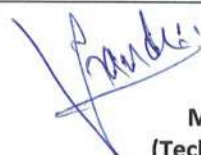
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TEST REPORT

Test Report No: -	GESEC/WZM/2022-23/02/652		Report Date	03/03/2023	
Sample ID: -	GESEC/WZM/2022-23/02/652				
Name & Address of the Customer	M/s. Kallappa Anna Awade Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari-Yalgud, Tal: Hatkanangale, Dist: Kolhapur (Maharashtra)				
WORKZONE AIR QUALITY MONITORING RESULTS					
Type	Sampling Location		Sampling was done by		
Ambient Air	Sugar House		GESEC		
Sampling Time					
Start Time	Stop Time		Total Hrs.		
11:30 AM.	12:30 PM.		60 Min		
Metrological Data/Environmental Conditions					
Ambient Temperature °C	30.0	Wet Bulb Temperature °C	20.0		
Dry Bulb Temperature °C	30.0	Relative Humidity % RH	39.0		
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
24/02/2023	25/02/2023	27/02/2023	03/03/2023		
Name Of Instrument	Personal Sampler	Date of Calibration	19/10/2022		
Calibration Certificate No.	SSEC/FF/1519	Due Date of Calibration	18/10/2023		
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter (PM)	IS:5182 (PART 4):2019	mg/m ³	10	0.391	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	mg/m ³	5	0.008	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2018	mg/m ³	6	0.014	
Note:					
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 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By					

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

0/c
जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

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

जा.क्र. उत्पादन/ई.टी.पी./२०२०-२१

दि.०५/१२/२०२०

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

विषय- एन्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

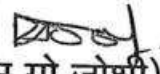
महोदय,

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

आपले माहिती करीता सादर.

कळावे,

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


(म.गो.जोशी)
कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.

आवक नं. १६३ दि.०५/१२/२०२०

ग्रामपंचायत रेंदाळ
ता. हातकणंगले, जि. कोल्हापूर.



जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

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

फोन (०२३०) २४५०४०२ (५ लाईन्स), फॅक्स (०२३०) २४५०४०१, ई-मेल : kprjsssk@gmail.com

जा.क्र. उत्पादन/ई.टी.पी./४१९ /२०२०-२१

दि. ०५/१२/२०२०

प्रति,
मा. सरपंच/ग्राम विकास अधिकारी,
ग्रामपंचायत,
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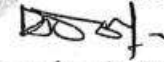
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आपले माहिती करिता सादर.

कळावे,

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



(म.गो.जोशी)

कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.



प्रत मिळाली
दि. ५/१२/२०२०

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

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

जा.क्र.उत्पादन/ई.टी.पी/४१२ /२०२०-२१

दि.०५/१२/२०२०

प्रति,

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

विषय- एन्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

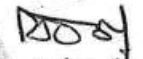
महोदय,

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

आपले माहिती करीता सादर.

कळावे,

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


(म.गो.जोशी)

कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.

हुपरी नगरपरिषद हुपरी

आवक क्र. - २३६५/२०२४२१

दि. ५/१२/२०२०



जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

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

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

जा.क्र. उत्पादन/ई.टी.पी./२०२०-२१

दि.०५/१२/२०२०

प्रति,

मा. मुख्य कार्यकारी अधिकारी,

जिल्हा परिषद,

नागाळा पार्क,

कोल्हापूर.

विषय- एन्हीरॉनमेंटल क्लिअरन्स पत्राबाबत...

महोदय,

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

आपले माहिती करीता सादर.

कळावे,

आपला विश्वासू

जवाहर शे.सह.सा. का. लि.करिता

[Signature]

(म.गो.जोशी)

कार्यकारी संचालक

सोबत- इन्हीरॉनमेंटल क्लिअरन्सचे पत्र.

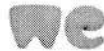
Annexure – XV
Ack.copy of Six Monthly
Compliance
Report

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

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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)

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Annexure – XVI
Environment statement
2021-2022
(Form V)



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

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

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000044507

Submitted Date

30-08-2022

PART A

Company Information

Company Name

Kaiappanna Awade Jawahar Shetkari
Sahakari Sakhar Karkhana Ltd.,

Application UAN number

--

Address

Hupari-Yalgud, Tal- Hatkanangale , Dist-
Kolhapur (Maharashtra), Pin-Code
-416203.

Plot no

R.S.No. 315/7 to 315/15,925/9,1258

Taluka

Hatkanangale

Village

Yalgud-Hupari

Capital Investment (In lakhs)

34365.60

Scale

L.S.I

City

Hupari

Pincode

416203

Person Name

Manohar Gopal Joshi

Designation

Managing Director

Telephone Number

02302450402

Fax Number

02302450401

Email

kprjssk@gmail.com

Region

SRO-Satara

Industry Category

Red

Industry Type

R12 Sugar (excluding
Khandsari)

Last Environmental statement submitted online

yes

Consent Number

Format.1.0/CAC/UAN
No.MPCBCONSENT-0000114836/CR-2110000919

Consent Issue Date

2021-10-20

Consent Valid Upto

31/07/2022

Establishment Year

1993

Date of last environment statement submitted

Jul 30 2021 12:00:00:000AM

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

Product Information

Product Name

Sugar

Consent Quantity

351576.00

Actual Quantity

245552.00

UOM

MT/A

By-product Information

By Product Name

Molasses

Consent Quantity

97280

Actual Quantity

79603

UOM

MT/A

Bagasses

729600

554264

MT/A

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

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	31.00	30.00
Domestic	100.00	100.00
All others	328.00	308.00
Total	00.00	00.00
	459.00	438.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
INDUSTRIAL	1430	877	CMD
Domestic Effluent	125	120	CMD

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

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
SUGAR	225163.00	245552.00	MT/A

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Sugarcane	8.236	8.188	Ton/Ton
Lime	0.0012	0.0013	Ton/Ton
O.P.Acid	0.000002	0.000003	Ton/Ton
Sulphur	0.00034	0.0003	Ton/Ton
Caustic Soda	0.0000032	0.0000025	Ton/Ton
Phosphoric acid	0.00000	0.00000	Ton/Ton
Oil & Grease	0.0000027	0.0000026	Ton/Ton
Bagasse	0.147	0.149	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	335616	300350	MT/A

Part-C

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

[A] Water

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

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	2.73	3.57	KL/A

2) From Pollution Control Facilities

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

Part-E

SOLID WASTES

1) From Process

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

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	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 Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	1.64	2.736	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	2.736	MT/A	Concentration in liquid form

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of 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)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
---	0	0	0	0	0	0

Part-H**Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.****[A] Investment made during the period of Environmental Statement**

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Effluent Treatment Plant	Capital Cost	510
Air pollution Control Equipment	Capital Cost	1103
Environmental Monitoring	Capital Cost	31.15
Green Belt Development	O & M Cost per year	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

तरुण भारत

कोल्हापूर

www.tarunbharat.com

शनिवार दि. ५ डिसेंबर २०२०

वेळगाव • गोवा • मुंबई

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

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

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

जवाहर कारखान्यास इन्हीरॉनमेंटल किलरन्स प्राप्त

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

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INDIA'S LARGEST ENGLISH NEWSPAPER

JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD., HUPARI

Shri Kallappa Anna Awadenagar, Hupari-Yalgud, 416203, Tal. 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/>