

JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD., HUPARI

Shri Kallappanna Awadenagar, Hupari-Yalgud 416 203, Tal.: Hatkanangale, Dist.: Kolhapur (Maharashtra)
Phone (0230) 2450402 (5 Lines), Fax (0230) 2450401, E-mail : kprjssk@gmail.com

Ref. No MFG/ETP/7932 / 2020-21

Date: 24/11/2020

To,

**The Regional Officer,
MoEFCC; Western Region (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines,
Nagpur – 440 001.
Email – eccompliance-mh@gov.com**

Sub : Submission of Six Monthly Compliance report for period April 2020 to September 2020. w.r.t Sugar Factory of 12000 TCD – **M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari,** Located At- Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur, Maharashtra.

Ref: Environmental Clearance (EC) Letter F. No. J-11011/38/2016-IA-II (I) dated 20th December, 2016.

Dear Sir,

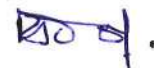
This has reference to Environmental Clearance (EC) granted to our Sugar Factory of 12000 TCD – **M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari,** Located at Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur (Maharashtra State).

As per General Condition No. 14 in Environmental Clearance letter, we are submitting a Six Monthly Compliance report for a period of April 2020 to September 2020.

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

Thanking you,

Yours faithfully,
For Jawahar S.S.S.K. Ltd., Hupari



(M.G. Joshi)
Managing Director

Encl.: a/a



Copy for information to:-

1. Zonal Officer,
Central Pollution Control Board,
Parivesh Bhavan,
Opp.Ward No.10, VMC Office,
Subhanpura,
Vadodara (Gujarat)-390 023.
Email – westzonepcb@yahoo.com

2. Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd & 4th Floor,
Opp.Cine Planet,
Near Sion Circle, Sion (E),
Mumbai (Maharashtra) - 400 022.
Email – mpcbmbombai@mpcb.gov.in

3. Regional Officer,
Maharashtra Pollution Control Board,
Udyog Bhavan Building,
Naer Collector Office,
Kolhapur- 416 002.
Email – rokolhapur@mpcb.gov.com

Enclosure – I
EC Letter



F. No. J-11011/38/2016-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi -110 003

Telefax: 011-24695365
E-mail: yogendra78@nic.in

Dated: 20th December, 2016

To

The Chief Executive Officer
M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.
Shri Kallappa Anna Awadenagar, Hupari-Yalgud
Hatkanangale, Kolhapur District
Maharashtra- 416 203

Sub: Expansion of Sugar unit capacity from 7500 TCD to 12000 TCD at Hupari Yalgud, Tehsil Hathkanangale, District Kolhapur, Maharashtra by M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. –Environmental Clearance– reg.

Ref: Online Proposal No. IA/MH/IND2/38479/2014 dated 06th January, 2016.

Sir,

This has reference to your online proposal no. IA/MH/IND2/38479/2014 dated 06th January, 2016 along with project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report along with Public Hearing Report regarding the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is for expansion of sugar unit capacity from 7500 TCD to 12000 TCD at Hupari Yalgud, Tehsil Hathkanangale, District Kolhapur, Maharashtra by M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. As informed by the Project Proponent (PP) and as per the documents submitted by the PP, the total plot area is 3,94,237.058 m², out of which area earmarked for greenbelt is 3,30,000 m². It is reported that no national park/wildlife sanctuary/coral formation is located within 10 km distance of the plant. River Doodhganga is flowing at a distance of 6 Km. The total project cost is Rs.74.50 Crores, out of which 200.95 Lakhs are earmarked towards CSR activity.

3. The project proposal was initially considered by the Maharashtra State Level Expert Appraisal Committee (SEAC) in its meeting held on 01st August, 2014 and had approved ToR for preparation of EIA. As the project is located within 5 km distance of interstate boundary; SEAC-1 in its 114th meeting held on 19th – 21st November, 2015 has categorized

the project as Category 'A' and desired to be appraised by Central EAC. The Member Secretary (SEAC-1) vide letter No. SEAC-2014/CR-45/TC-2 dated 08th January, 2016 has transferred the project to the Ministry of Environment, Forest and Climate Change, New Delhi.

4. All Sugar industry are listed at S.N. 5(j) (ii) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'B'. The present proposal is located within 5 km distance of interstate boundary of Maharashtra and Karnataka. Due to the applicability of general condition i.e. located in whole or in part within 10 km from the inter-State boundaries; the proposal is treated as Category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

5. The project proposal was subsequently considered by the Expert Appraisal Committee (Industry -2) in its 6th meeting held during 30th March- 02nd April, 2016 and 13th meeting held during 26th-27th September, 2016. The project proponent and their consultant M/s Green Circle, Vadodara (accreditation case sub-judice) gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Terms of References (TORs) awarded by SEAC, Maharashtra for preparation of EIA-EMP report.

6. The PP has obtained environmental clearance (EC) for the existing Sugar unit (7500 TCD) from the State Environment Impact Assessment Authority (SEIAA) vide Environment Department, Government of Maharashtra letter no. ENV(NOC)2005/1591/CR224/TC-II dated 27th August, 2007. Regional Office of MoEF&CC at Nagpur, vide letter no. EC-41/RON/2016-NGP/691 dated 21.07.2016 has submitted the copy of certified compliance report to the environmental conditions prescribed in the existing EC. The EAC has found compliance report to be satisfactory.

7. Public Hearing for the proposed project has been conducted by the Maharashtra Pollution Control Board on 10.07.2015. The EAC has deliberated upon the issues raised during the public hearing and noted that the issues have satisfactorily been incorporated in the final EIA-EMP report.

8. The EAC, in its 13th meeting held during 26th-27th September, 2016, has found that the final EIA/EMP report submitted by the PP is adequate. The EAC after detailed deliberations, on the basis of the information and presentation made by the PP, has recommended the project for environmental clearance with certain conditions.

9. Based on the proposal and information submitted by the Project Proponent, and based on the recommendation by the Expert Appraisal Committee (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. Specific Conditions:

- i. ESP/Bagfilter shall be provided to the bagasse fired boiler (20 TPH; 75 TPH and 90 TPH) to control particulate emissions within permissible limit. The gaseous

emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines. No wet scrubber shall be used. Existing boiler (55 TPH) will be converted into 75 TPH boiler.

- ii. Pucca approach road to project site should be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.
- iii. Total fresh water requirement from Doodhganga River shall not exceed 600 m³/day for sugar unit and Co-generation power plant. No ground water shall be used without permission. Effort shall be made to use recycled water from sugar and condensate of MEE for the co-generation power unit.
- iv. Water consumption also to be restricted to 100 liters / ton initially and further to 50 Liters/ton cane crushed in a time bound manner as per the CPCB guidelines.
- v. Effluent from sugar unit should be treated in the effluent treatment plant with adequate treatment with standard of 30 mg/l of BOD. Existing ETP shall be upgraded to achieve the standard of BOD 30 mg/l.
- vi. As proposed, no effluent from sugar plant should be discharged outside the premises and Zero discharge shall be achieved.
- vii. Bagasse/coal storage should be done in such a way that it does not get air borne or fly around due to wind.
- viii. Boiler ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided. Bagasse ash and coal ash should be stored separately.
- ix. Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be strengthened and the regular medical test records of each employee should be maintained separately.
- x. Dedicated parking facility for loading and unloading of material should be provided in the factory premises. Unit should develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- xi. All the issues raised during the public hearing/consultation meeting held on 10th July, 2015 should be satisfactorily implemented.
- xii. As proposed, green belt over 33% of plot area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xiii. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with



financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program should be ensured accordingly in a time bound manner.

B. General Conditions:

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board, State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- 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 use the same water for the process activities of the project to conserve fresh water.
- 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 also 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, risk mitigation measures and public hearing relating to the project shall be implemented.
- ix. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.




- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
 - xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
 - xii. 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.
 - xiii. 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.
 - xiv. 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.
 - xv. 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.
 - xvi. 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.
 - xvii. 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.
10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.




11. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

12. The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


20.12.2016
(Yogendra Pal Singh)
Scientist 'D'

Copy to:-

1. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai- 400 032.
2. Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bhag, New Delhi- 110 003.
6. Guard File/Monitoring File/Website/Record File.


20.12.2016
(Yogendra Pal Singh)
Scientist 'D'

**Point wise Compliance towards
Conditions in Environment Clearance
Letter**

Brief Summary of the Project

- 1 Name of Project : **M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., (JSSSKL), Hupari**
2. Clearance Letter No. & date : F. No. J-11011/38/2016-IA-II (I), Dated 20th December,2016.
3. Location: District & State/UT : Dist.: Kolhapur. State: Maharashtra.
4. Address for Correspondence : Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal.:Hatkanangale, Dist.: Kolhapur, Maharashtra 416 203.
5. Six Monthly Compliance for Period : April 2020 to September 2020

M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd; Hupari (JSSSKL) is an Integrated Project Complex of Sugar (12,000 TCD) & Co-gen (28.5 MW) located at Kallappanna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur, Maharashtra State. JSSSKL was established in 1990 under. The Maharashtra Co-operative Society Act 1960.Sugar factory is 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. First crushing season of Sugar Factory was undertaken in the year 1993-94. Environmental Clearance (EC) 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. There after JSSSKL Planned to go for Expansion of Sugar Factory 7,500 TCD to 12,000 TCD for which Environmental Clearance (EC) was procured vide letter No.J-11011/38/2016-IA-II (I) Dated 20thDecember, 2016. Refer Copies of EC Enclosed at Enclosure-I.

Six monthly (Period April 2020 to September 2020) Compliance report for Sugar Unit of Capacity 12000 TCD by M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. (JSSSKL), Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal. Hatkanangale, Dist.: Kolhapur, Maharashtra 416203.

Compliance of Specific and General Conditions mentioned in Environmental Clearance (EC) letter F. No. J-11011/38/2016-IA-II (I) dated 20.12.2016 for period from April 2020 to September 2020 presented as follows-

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	SPECIFIC CONDITIONS	
1.	Condition No.1 ESP / Bag filter shall be provided to the bagasse fired boiler (20 TPH; 75 TPH and 90 TPH) to control particulate emissions within permissible limit. The gaseous emissions shall be dispersed through stack of adequate height as per	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 is also installed at

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	CPCB/SPCB guidelines. No wet scrubber shall be used. Existing boiler (55 TPH) will be converted into 75 TPH boiler.	stack. Photographs of same are attached at Annexure - I .
2.	Condition No.2 Pucca approach road to project site should be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.	Compliance is already done.
3.	Condition No.3 Total fresh water requirement from Doodhganga River shall not exceed 600m ³ /day for sugar unit and Co-generation power plant. No ground water shall be used without permission. Effort shall be made to use recycled water from sugar and condensate of MEE for the Co-generation power unit.	Total fresh water requirement for 12000 TCD Sugar Unit does not exceed 600 m ³ /day during above said monitoring period. In addition, the same is taken from Doodhgaon river for which permission has already been procured. Refer Annexure – II for copy of Water Lifting Permission.
4.	Condition No.4 Water consumption also to be restricted to 100 liters / ton initially and further to 50 Liters/ton cane crushed in a time bound manner as per the CPCB guidelines.	The compliance towards condition is strictly being followed.
5.	Condition No.5 Effluent from sugar unit should be treated in the effluent treatment plant with adequate treatment with standard of 30 mg/1 of BOD. Existing ETP shall be upgraded to achieve the standard of BOD 30 mg/1.	The capacity of ETP is 3000 M ³ /D. The parameters of treated effluent are within the Prescribed limits. Online monitoring system as well as flow meter has been provided for ETP Unit. Refer Annexure- III for photographs of ETP units. Refer Annexure- VII for Monitoring reports of ETP.
6.	Condition No.6 As proposed, no effluent from sugar plant should be discharged outside the premises and Zero discharge shall be achieved.	No effluent is discharged outside Industry premises. The treated effluent is being recycled. Treated effluent is use for gardening & irrigation purpose in factory premises on area of 150 Acres.
7.	Condition No.7 Bagasse/coal storage should be done in such a way that it does not get air borne or fly around due to wind.	Adequate measures have been taken around bagasse storage for prevention of air pollution. Therein, pucca internal roads and green belt are provided for prevention of air pollution.
8.	Condition No.8 Boiler ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind	Boiler ash is transfer to ash silo through pneumatic ash handling system through closed

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated									
	or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided. Bagasse ash and coal ash should be stored separately.	pipe. Refer Annexure – IV for photographs of same. Worker entering inside the plant area are provided Personal Protective Equipment's (PPEs) to protect them from direct exposure to fly ash & dust.									
9.	Condition No.9 Occupational health surveillance programme should be undertaken as regular exercise for all employees. The first aid facilities in the occupational health Centre should be strengthened and the regular medical test records of each employee should be maintained separately.	Occupational health surveillance is carried out for all employees and records are maintained. A sample copy of latest health check-up report is attached at Annexure – V .									
10.	Condition No.10 Dedicated parking facility for loading and unloading of material should be provided in the factory premises. Unit should develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	Dedicated parking facility has been provided at the factory site. Including this, good traffic management is also being implemented to prevent traffic congestion.									
11.	Condition No.11 All the issues raised during the public hearing / consultation meeting held on 10 th July, 2015 should be satisfactorily implemented.	Compliance of it is already done.									
12.	Condition No.12 As proposed, green belt over 33% of plot area shall be developed within plant premises with at least 10 meters wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	Total 62254 Nos. of tree species have been planted in the factory premises. Out of the total plot of 246 Acres (99.55 Ha.), 83.20 Acres (34.61 Ha.) area comes under Greenbelt. This comes to about 33.82% of total plot area. Details of Greenbelt are attached at Annexure – VI .									
13.	Condition No.13 At least 5% of the total cost of the project should be earmarked towards the Enterprises Social Commitment (ESC) based on local needs and action plan with financial and physical breakup / details should be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program should be ensured accordingly in a time bound manner.	Enterprise Social Commitment is being implemented in phase-wise manner. Following are the details of expenditure made during the monitoring period: <table border="1" data-bbox="883 1661 1487 1883"> <thead> <tr> <th data-bbox="883 1661 967 1734">Sr. No.</th> <th data-bbox="967 1661 1284 1734">ESC Activities</th> <th data-bbox="1284 1661 1487 1734">Amount</th> </tr> </thead> <tbody> <tr> <td data-bbox="883 1734 967 1808">1.</td> <td data-bbox="967 1734 1284 1808">Sports promotion funding</td> <td data-bbox="1284 1734 1487 1808">Rs. 1.66 Lakhs</td> </tr> <tr> <td data-bbox="883 1808 967 1883">2.</td> <td data-bbox="967 1808 1284 1883">Funding for Social Activities</td> <td data-bbox="1284 1808 1487 1883">Rs. 9.35 Lakhs</td> </tr> </tbody> </table>	Sr. No.	ESC Activities	Amount	1.	Sports promotion funding	Rs. 1.66 Lakhs	2.	Funding for Social Activities	Rs. 9.35 Lakhs
Sr. No.	ESC Activities	Amount									
1.	Sports promotion funding	Rs. 1.66 Lakhs									
2.	Funding for Social Activities	Rs. 9.35 Lakhs									

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated		
				3.
		4.	Drip Irrigation Subsidy	Rs. 4.99 Lakhs
			Total	Rs. 21.04 Lakhs
	GENERAL CONDITIONS			
14.	Condition No. 1 The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board, State Government and any other statutory authority.	Compliance strictly being followed by industry.		
15.	Condition No. 2 No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change. 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.	Compliance strictly being followed. 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.		
16.	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.	Compliance strictly followed Monitoring of ambient air quality is done. The monitoring reports of same are presented at Annexure – VIII.		
17.	Condition No. 4 The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November 2009 shall be followed.			
18.	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,	Compliance strictly being followed. No major noise generating source exists in the Sugar Unit. Also, workers are provided with PPE. Overall noise levels in and around the plant area are maintained within the standards prescribed under Environment (Protection) Act,		

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated																		
	1989 viz. 75 dBA (day time) and 70 dBA (night time).	1986, 1989 Rules. Refer Annexure – IX for Noise Monitoring Reports.																		
19.	<p>Condition No. 6 The Company shall harvest rainwater from the rooftops 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>	RWH plan is being implemented on site. Thereunder, roof top Area (71419.00 M ²) water is being harvested and is utilized for domestic purpose and gardening.																		
20.	<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 handing of chemicals shall be imparted.</p>	Training sessions/workshops for employees on safety and health aspects are organized from time to time. Also, periodical medical examination for all employees is arranged on regular basis. Onsite record of the same is maintained.																		
21.	<p>Condition No. 8 The company shall also comply with all the environmental protection measures and safeguards proposed in the document submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.</p>	<p>Compliance strictly followed. Following is the break-up for EMP:</p> <table border="1" data-bbox="886 961 1487 1451"> <thead> <tr> <th data-bbox="886 961 1146 1077">Description</th> <th data-bbox="1146 961 1325 1077">Capital Cost in Rs.</th> <th data-bbox="1325 961 1487 1077">O & M Cost in Rs.</th> </tr> </thead> <tbody> <tr> <td data-bbox="886 1077 1146 1150">ETP</td> <td data-bbox="1146 1077 1325 1150">Rs. 156.33 Lakhs</td> <td data-bbox="1325 1077 1487 1150">Rs. 10.11 Lakhs</td> </tr> <tr> <td data-bbox="886 1150 1146 1224">APC Equipment</td> <td data-bbox="1146 1150 1325 1224">Rs. 381.99 Lakhs</td> <td data-bbox="1325 1150 1487 1224">Rs. 0.67 Lakhs</td> </tr> <tr> <td data-bbox="886 1224 1146 1297">Environmental Monitoring</td> <td data-bbox="1146 1224 1325 1297">--</td> <td data-bbox="1325 1224 1487 1297">--</td> </tr> <tr> <td data-bbox="886 1297 1146 1371">Greenbelt</td> <td data-bbox="1146 1297 1325 1371">Rs. 6.10 Lakhs</td> <td data-bbox="1325 1297 1487 1371">Rs. 7.43 Lakhs</td> </tr> <tr> <td data-bbox="886 1371 1146 1451">Total</td> <td data-bbox="1146 1371 1325 1451">Rs. 544.42 Lakhs</td> <td data-bbox="1325 1371 1487 1451">Rs. 18.21 Lakhs</td> </tr> </tbody> </table>	Description	Capital Cost in Rs.	O & M Cost in Rs.	ETP	Rs. 156.33 Lakhs	Rs. 10.11 Lakhs	APC Equipment	Rs. 381.99 Lakhs	Rs. 0.67 Lakhs	Environmental Monitoring	--	--	Greenbelt	Rs. 6.10 Lakhs	Rs. 7.43 Lakhs	Total	Rs. 544.42 Lakhs	Rs. 18.21 Lakhs
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Environmental Monitoring	--	--																		
Greenbelt	Rs. 6.10 Lakhs	Rs. 7.43 Lakhs																		
Total	Rs. 544.42 Lakhs	Rs. 18.21 Lakhs																		
22.	<p>Condition No. 9 The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.</p>	Please refer compliance under Specific Condition No. 13 above.																		
23.	<p>Condition No. 10 The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p>																			
24.	<p>Condition No. 11</p>																			

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental management and Monitoring functions.	A separate Environment Management cell is already established. Refer Annexure – X for the same.
25.	Condition No. 12 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.	Please refer compliance under Specific Condition No. 13 above.
26.	Condition No. 13 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.	The condition is complied with necessary action.
27.	Condition No.14 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.	Regular Six Monthly Compliance reports have been submitted and copies of same are also displayed on company website The following is the link company's website http://www.jawaharsugar.com/ Refer Annexure – XI for Acknowledgment of previous Six Monthly Compliance report.
28.	Condition No.15 The environmental statement for each financial year ending 31 st 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.	Compliance is being done. Refer Annexure – XII for acknowledgment copies.

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
29.	<p>Condition No. 16 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>Compliance already done. Refer Annexure-XIII for News Paper advertisement copy.</p>
30.	<p>Condition No. 17 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>

Annexure – I

Photographs of ESP, Stack



90, 20 & 75 M.T. /hr capacity
Boiler Chimney.
75 Mtr. and 72 Mtr.
Height respectively

Electro Statik Precipitator for
90 M.T./hr Boiler Capacity





Electro Static Precipitator for
75 M.T/hr Boiler Capacity

Electro Static Precipitator
for 20 M.T/hr Boiler
Capacity





Dust monitor unit for Total Particulate Matter for 75 mtr.height stack



Analyzer for outlet Treated Water - for parameter pH, T.S.S, C.O.D & BOD measurement.



Dust monitor unit for Total Particulate Matter for stack



Dust monitor unit for Total Particulate Matter for 72 mtr.height stack

Annexure – II

**Fresh Water Requirement & 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

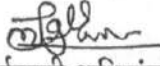
- संदर्भ :- १) १) मा. मुख्य अभियंता (जस)जलसंपदा विभाग पुणे यांचे ज्ञापन पत्र जा
क्र मु अ (जस)/(२९६/२०१७)/प्रशा-७/५१८८ दि. ०७/१२/२०१७
२) पृष्ठांकन अधिक्षक अभियंता कोल्हापूर पाटबंधारे मंडळ कोल्हापूर को पा
म/प्रशा-१/७८९१/२०१७ दि २२/१२/२०१७

उपरोक्त संदर्भिय पत्र क्र. १ अन्वये आपणास ^{दुधगंगा} ~~वसव्या~~ प्रकल्पातून ^{दुधगंगा} ~~वसव्या~~ 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 अर्जांनुसार आपला दि ०१/०५/२०१८ ते ३०/०४/२०२४ या कालावधीचा
करारनामा खालील अटींच्या 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)/सिव्य(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 जून 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	
I/W No. 9004	Date 31/5/16
Sent to C.E., C.C.T.O	5
Authorised Signature	

chE/mfr/STP

Annexure – III

Photographs of ETP



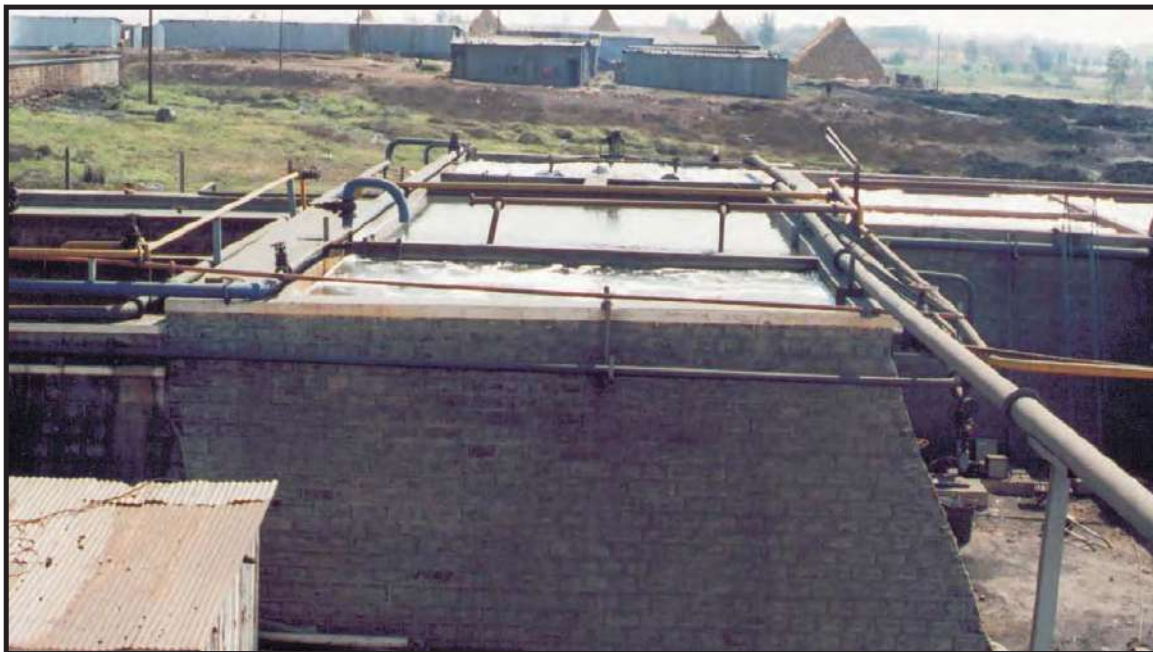
Two stage primary to remove oil & sludge and old equalization tank



New equalization tank and feeding system to old and new stream
20 M³/hr.+ 70 M³/hr.



New anaerobic counter current digester 70 M³/hr. and preareation tank outlet



Floating areator, sludge seperator & return sludge to digester & preareation tank



Floating aerator



New diffuse aeration tank



Old diffuse aeration tank



Secondary clarifier new stream



Secondary clarifier old stream



Tertiary system to streams 100 M³/hr. each
Power sand filter followed by plant based activated carbon &
polishing unit comprising high grade anthracite and activated carbon



Sensor for outlet Treated Water -for parameter pH, T.S.S, C.O.D & BOD measurement.



Flow meter for outlet Treated Water



Treated Water outlet Tank



System for Treated Water Monitoring



Treated Water Outlet



Sludge Drying Bed



R.C.C. with Geomembrane paper lining laid for Lagoon No.1



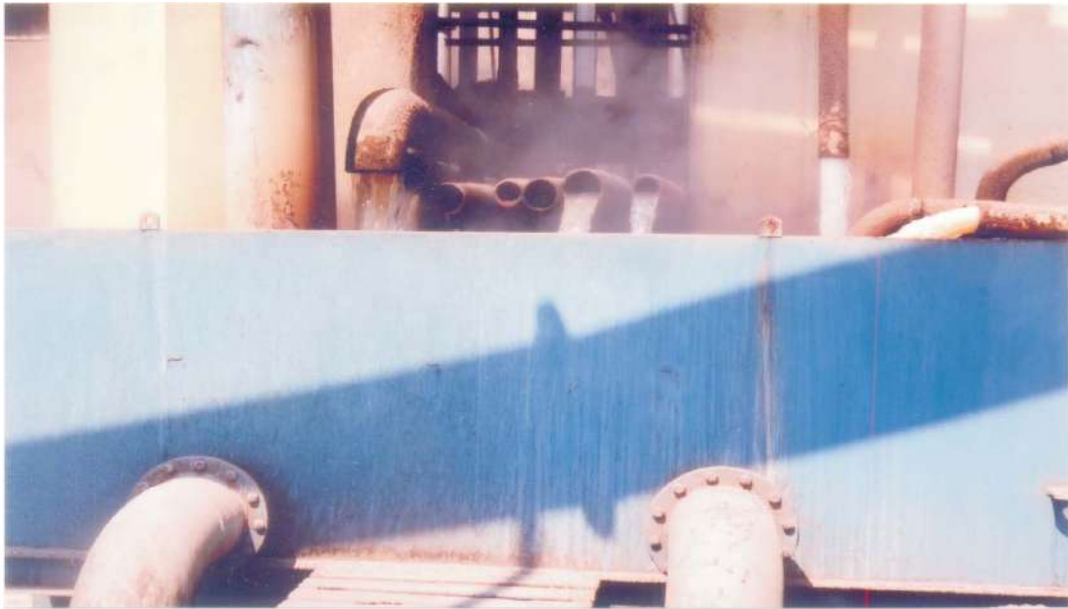
15 Days Storage Tank-1



15 Days Storage Tank-2



Electric energy meter for E.T.P.



Mini spray-inlet sump (All excess vapour condensate & cooling water)



Mini spray pond
capacity 10200 M³/day water recycle
inlet temperature 58°C to 60°C outlet temperature 28 to 30°C

Annexure – IV

Photograph of Ash Collector



Boiler Ash handling system

Annexure – V

Health Surveillance Details

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

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

Company Name : **JAWAHAR SHETKARI SAHAKARI 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 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.
0437	MR. MALLAPPA D KHADAKE	55	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1718	MR. SANJAY A CHAWARE	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1761	MR. AMOL D HANWADE	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1950	MR. SANJAY R PATIL	43	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0656	MR. BHIMRAO D KHOT	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1849	MR. RAJENDRA R HAWALDAR	58	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1767	MR. JIVANDHAR V KAMBLE	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0499	MR. KRISHNAT S MORE	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0755	MR. VIJAY R DANGARE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0623	MR. SHIVAJI K KOLI	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1639	MR. SHITAL A MALI	40	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1720	MR. NITIN B SHINTRE	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7262	MR. ROHIT S PATIL	28	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1507	MR. SUNIL M KESARKAR	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1556	MR. RAMESH D PATIL	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1548	MR. ANANDA R MAGDUM	47	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0396	MR. UDAY A AINEPURE	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1278	MR. UMESH B MANE	44	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1847	MR. PRAVIN B VATHARE	41	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

आप्ताने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे **DR. ARVIND A. MANE**
MBBS, DPH, AFIH (MUMBAI)

कोल्हापूर जिल्हाकरिता
प्राधिकृत प्रमाणकक्षयविकिसक
क. ACS 15-AM/2016
MUM REGD. NO. : 2010/10/3176
GOVT. OF INDIA-GOFASLI REGD. NO.-02368
Consultant Industrial Health Physician

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

Certifying Surgeon

DR. ARVIND MANE

MBBS DPH AFIH.(Mumbai)

panv Name : **JAWAHAR SHETKARI SAHAKARI 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.
1426	MR. SURESH S KORVI	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1439	MR. SANJAY S BANNE	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0968	MR. RAJENDRA D KORADE	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1815	MR. RAMDAS K DAGADE	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7035	MR. SHITAL M AKKIVATE	29	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1023	MR. RAMCHANDRA GHORPALE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2147	MR. VIJAY S MANE	40	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7031	MR. RAHUL S HANBHAR	26	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1050	MR. NARSU K MORE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7111	MR. PRAKASH V PUJARI	24	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1031	MR. SUNIL M KAMBLE	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2212	MR. MAHENDRA L HARUGADE	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1592	MR. VASANT D KAGALE	57	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0233	MR. TATYASO K SHIRPUSE	58	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7006	MR. SURAJ D PATIL	29	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1073	MR. MAHADEV G HEGADE	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
6027	MR. RAMESH R AWATE	30	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0853	MR. IQBAL A ATTAR	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0168	MR. IMTIAZ BHADGAONKAR	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(३) प्रमाणे

Dr. ARVIND A. MANE

MBBS DPH AFIH (MUMBAI)

कोल्हापूर जिल्हाकरिता

MHIC REGD. NO. : 2810/10/3178

माधिकृत प्रमाणक अल्पचिकित्सक

GOVT. OF MHA-GOFASLI REGD. NO.-02300

२०१०/१०/३१७८

Consultant Industrial Health Physician

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

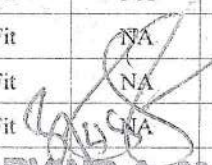
Certifying Surgeon

DR. ARVIND MANE

MBBS DPH AFIH.(Mumbai)

Company Name : **JAWAHAR SHETKARI SAHAKARI 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.
0650	MR. MAYAPPA L MUDALE	55	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1404	MR. DHANAJRAO S SHINDE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1631	MR. BHARAT B SALOKHE	48	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1331	MR. SANJAY A GAT	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2001	MR. DADASO A PATIL	34	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0001	MR. MANOHAR G JOSHI	58	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1667	MR. SACHIN A PATIL	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7226	MR. RAMCHANDRA B KOLI	27	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0242	MR. NITIN B BHOSALE	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1314	MR. KUMAR B KHUL	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1437	MR. SADIK I MUJAWAR	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0668	MR. ASHOK V DESAI	57	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7257	MR. VISHAL J KAMBLE	25	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0994	MR. LAXMAN S LALI	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1223	MR. BALASO K KAMBLE	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1954	MR. RAHUL V MUDRALE	43	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1198	MR. SAMEER H KOTWAL	44	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1868	MR. BALASO A SANADI	53	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1597	MR. SUBHASH J AMTE	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	


Dr. ARVIND A. MANE
 MBBS, DPH, AFIH (Mumbai)
 JAWAHAR SHETKARI SAHAKARI KARKHANA LTD.
 Govt. of India-GDFASLI REGD. NO. 42315
 Consultant Industrial Health Physicist

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

Certifying Surgeon

DR. ARVIND MANE

MBBS DPH AFIH.(Mumbai)

Company Name : JAWAHAR SHETKARI SAHAKARI 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.
6004	MR. BHARAT J CHOUGULE	43	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1958	MR. PRASHANT S PATIL	35	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0992	MR. BABURAO A KAMATE	53	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1607	MR. KAKASO S TIKUTE	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7345	MR. MARUTI S MANE	37	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0245	MR. BALASO D SASANE	55	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0910	MR. RAJENDRA A GANGAI	48	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1262	MR. NISHIKANT N PATIL	40	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2143	MR. PRASHANT V CHAKOTE	38	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7108	MR. AMOL S DESHMANE	24	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2169	MR. ANIL R CHOUGULE	43	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7214	MR. ROHIT R PATIL	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1986	MR. FARUKH S SANADI	33	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7441	MR. PRAVIN R DANDAGE	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2213	MR. PADMAKAR B PATIL	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0953	MR. RAJENDRA A LATTIMARDI	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1009	MR. MADHUKAR M MALI	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2133	MR. AVINASH P PATANKAR	27	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0625	MR. SAGAR R PATIL	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

Dr. ARVIND A. MANE
 MBBS DPH AFIH (MUMBAI)
 कोल्हापूर जिल्हाकरिता
 मंडळ प्रमाणिक वैद्यकीय अधिकारी
 REGD. NO. : 201010/3176
 GOVT. OF MHHA, GOFASLI REGD. NO. 02308
 Government Industrial Health Physician

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

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

Company Name : **JAWAHAR SHETKARI SAHAKARI 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 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.
1018	MR. BAPUSO B GHONGADE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1348	MR. RAMESH S WADD	47	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1692	MR. MUSTAK A NAYANI	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7310	MR. DIPAK V PARIT	21	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1680	MR. BABASO S DHAINGADE	40	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1897	MR. AMOL G HANDE	39	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1411	MR. JITENDRA B PATIL	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7238	MR. ANURAJ V YADAV	24	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7181	MR. TOUSIF H MUJAWAR	28	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7003	MR. SACHIN M AKURDE	28	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1395	MR. ADINATH P KUMBHAR	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1022	MR. KIRAN S DHALGAVE	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1547	MR. KRUSHNATH GOUD	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1833	MR. SURESH M SULKUDE	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2040	MR. SWAPNIL B CHOUGULE	34	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1503	MR. KIRAN S KURNE	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0092	MR. LAXMAN K CHOUGULE	55	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7021	MR. AJIT A PATIL	25	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1860	MR. DURGADAS N KUMBHAR	41	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

जाखने अधिनियम 1947 का कलम 10(2) प्रमाणे

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

कोल्हापूर जिल्हाकरिता

MMC REGD. NO. : 2010/103176

प्राधिकृत प्रमाणक आरोग्यचिकित्सक

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

Consultant Industrial Health Physician

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

Employer Name : **JAWAHAR SHETKARI SAHAKARI 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 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.
0091	MR. SHAILESHKUMAR VELLA	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7034	MR. HARSHAL D PATIL	24	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7317	MR. SAURABH HANABARHADDI	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
6227	MR. GAIBI H HAJARI	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0303	MR. PANDURANG G PATIL	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1549	MR. PRAKASH K PAWAR	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1861	MR. AJIT A PATIL	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1568	MR. SHRIKANT V PATIL	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7430	MR. SUSHANT B MALLIWADE	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7434	MR. VIJAY V BHOSALE	20	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7344	MR. SAGAR S AAIVALE	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7376	MR. SHITAL S PATIL	21	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7019	MR. BALASO B KOLAJ	35	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1773	MR. SUDHAKAR S KOIK	41	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0906	MR. VIKRAM D JADHAV	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1941	MR. KIRAN D KOLI	44	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0996	MR. RAKESH D MALI	47	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
-	MR. RAHUL BHADURWADE	27	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0302	MR. ASHOK A PATIL	56	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

कार्यालये अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

Dr. ARVIND A. MANE

कोल्हापूर जिल्हाकारिगता

प्राधिकृत प्रमाणकअध्यक्षचिकित्सक

क. ACS 15-AM/2016

MMC REGD. NO. : 2010/103176

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

Consultant Industrial Health Inspector

Annexure – VI

Green Belt Details

चिफ केमिस्टसाओ
यांचेकडे स-

विषय : गार्डन विभागाकडील क्षेत्र निहाय झाडांची माहिती.

महोदय,

आपले दि. ०६/१०२०२० च्या डी.पी. नुसार दि.३०-०९-२०२० अखेर गार्डन विभागाकडील झाडांची क्षेत्रवाईज माहिती खालीलप्रमाणे-

अ.न.	गट नं.	झाडांचे क्षेत्र	एकर गुंठे
१	१२५८	खोपी तळ	२२.३६
२	३१५/८,९	कॉलनीतील झाडे	५.००
३	३१५/११	केनयार्ड पश्चिम बाजू	३.३०
४	३१५/९,१०	ऑफीस मागील आंबा व गुलाब	३.००
५	३१५/१०	स्टेज परीसर	२.११
६	३१५/९, ९२५/९	मेन रोड साईट दोन्ही बाजू	१.१३
७	३१५/१४	राख अड्डा	०.१३
८	३१५/१४	हमाल शेड निलगिरी प्लॉट	४.२६
९	३१५/१४	हमाल शेड जंगली झाडे	४.१६
१०	३१५/११	कारखाना मेन गेट परिसर	०.०३
११	३१५/१४	स्विचयार्ड बैलगाडी अड्डा	०.२२
१२	३१५/११	तळ्याभोवतीचे क्षेत्र गोडा.१३ मागे	२.१०
१३	३१५/७	पेट्रोल पंप	०.०५
१४	३१५/८	कंपोस्ट यार्डातील बांबू	२.२५
१५	३१५/७,८,९	बियाणे मळा	१३.३०
१६	९२५/९	फ्लॉवर बेड	०.११
१७	३१५/९	गेस्टहाऊस, बोर्डरूम परिसर	०.१२
१८	९२५/९	करंज,चिक्कू,आंबा परिसर	२.०२
१९	९२५/९	म्हसोबा मंदीर परिसर	६.००
२०	९२५/९,३१५/९	राजराजेश्वरी मंदीर ते बियाणे मळा नारळ, अशोक	१.३१
२१	९२५/९	कॅनॉल बाजू नारळ, अशोक झाडे	१.०८
२२	९२५/९,३१५/९	गेटबाहेरील दोन्ही क्रॉसबेड	०.०८
२३	९२५/९	मंदीर परिसर	१.१०
२४	९२५/९	केनयार्ड ते राजराजेश्वरी मंदीर रोड	०.२२
२५	९२५/९	ट्रॅक्टर अड्ड्यातील झाडे	२.३६
		एकूण-	८३.२०

मुख्य शेती अधिकारी

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी,

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

फोन नं. (०२३०)२४५०४०२ ते ६, फॅक्स नं. (०२३०)२४५०४०१,

ई-मेल : kprjssk@gmail.com

कारखाना कार्यस्थळांवर असलेल्या विविध झाडांची माहिती

सन २०२०

दि. ०६/१०/२०२०

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२	कॅशिया	१७५२
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अ.नं.	तपशील	संख्या
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ड)	फूलझाडे	
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मुख्य शेती अधिकारी

Avenue Plantation in JSSSKL's Factory Premises



Mass Plantation in JSSSKL's Factory Premises



Roadside Plantation in JSSSKL's Factory Premises



Roadside Plantation in JSSSKL's Factory Premises



**GREENBELT DEVELOPMENT AT
JAWAHAR SHETAKARI S.S.K. LTD. (JSSSKL),
AT: HUPARI, TAL.: HATKANANGALE, DIST.: KOLHAPUR, MAHARASHTRA**



Annexure – VII

Monitoring Reports of ETP

- ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY, PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2019.20/463
Client:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Location:	Effluent Treatment Plant.
Plant Condition:	ETP in Operation.
Date of Sampling:	14.12.2019.
Analysis Date:	15.12.2019.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SR. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	3.96	7.20	6.5-8.5	--
02	Suspended Solids (SS)	265.10	18.30	100	mg/lit
03	Total Dissolved Solids (TDS)	1524.78	670.57	2100	mg/lit
04	Chemical Oxygen Demand (COD)	3053.62	72.14	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1500.41	20.80	100	mg/lit
06	Chlorides as Cl ⁻	501.27	164.19	600	mg/lit
07	Sulphates as SO ₄ ²⁻	623.88	211.50	1000	mg/lit
08	Oil & Grease	5.11	BDL	10	mg/lit

Note:

- BDL: Below Detectable Limit

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY, PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
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- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: JANUARY 11, 2020

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2019.20/567
Client:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Location:	Effluent Treatment Plant.
Plant Condition:	ETP in Operation.
Date of Sampling:	03.01.2020.
Analysis Date:	04.01.2020.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SR. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	4.20	7.55	6.5-8.5	--
02	Suspended Solids (SS)	585.12	19.30	100	mg/lit
03	Total Dissolved Solids (TDS)	1492.73	580.77	2100	mg/lit
04	Chemical Oxygen Demand (COD)	3253.08	71.49	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1526.10	18.70	100	mg/lit
06	Chlorides as Cl ⁻	453.27	113.34	600	mg/lit
07	Sulphates as SO ₄ ²⁻	301.90	150.34	1000	mg/lit
08	Oil & Grease	3.12	BDL	10	mg/lit

Note:

- BDL: Below Detectable Limit

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
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- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: FEBRUARY 18, 2020

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2019.20/791
Client:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Location:	Effluent Treatment Plant.
Plant Condition:	ETP in Operation.
Date of Sampling:	11.02.2020.
Analysis Date:	12.02.2020.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SR. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	3.74	7.63	6.5-8.5	--
02	Suspended Solids (SS)	624.50	21.90	100	mg/lit
03	Total Dissolved Solids (TDS)	1356.22	445.19	2100	mg/lit
04	Chemical Oxygen Demand (COD)	3438.16	77.40	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1619.57	16.10	100	mg/lit
06	Chlorides as Cl ⁻	325.14	132.34	600	mg/lit
07	Sulphates as SO ₄ ²⁻	215.73	125.20	1000	mg/lit
08	Oil & Grease	3.50	BDL	10	mg/lit

Note:

- BDL: Below Detectable Limit

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: MARCH 11, 2020

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2019.20/914
Client:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Location:	Effluent Treatment Plant.
Plant Condition:	ETP in Operation.
Date of Sampling:	04.03.2020.
Analysis Date:	05.03.2020.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SR. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	3.91	7.80	6.5-8.5	--
02	Suspended Solids (SS)	849.53	22.01	100	mg/lit
03	Total Dissolved Solids (TDS)	1558.70	556.30	2100	mg/lit
04	Chemical Oxygen Demand (COD)	3321.47	78.95	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1560.24	21.11	100	mg/lit
06	Chlorides as Cl ⁻	268.10	150.43	600	mg/lit
07	Sulphates as SO ₄ ²⁻	164.20	115.50	1000	mg/lit
08	Oil & Grease	4.11	BDL	10	mg/lit

Note:

- *BDL: Below Detectable Limit*

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

Annexure – VIII

Monitoring Reports of Ambient Air Quality

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
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- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
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- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/456
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	14.12.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:30 A.M.	
03	Ambient Temperature	28.0 °C	
04	Dry Bulb Temperature	28.0 °C	
05	Wet Bulb Temperature	21.0 °C	
06	Relative Humidity	53.4 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	59.23 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	18.50 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	26.84 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
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- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/457
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	14.12.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	10:45 A.M.	
03	Ambient Temperature	28.0 °C	
04	Dry Bulb Temperature	28.0 °C	
05	Wet Bulb Temperature	21.0 °C	
06	Relative Humidity	53.4 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	56.87 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	17.43 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	25.04 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
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■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

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DATE: DECEMBER 27, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/458
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	14.12.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:55 A.M.	
03	Ambient Temperature	28.0 °C	
04	Dry Bulb Temperature	28.0 °C	
05	Wet Bulb Temperature	21.0 °C	
06	Relative Humidity	53.4 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	62.86 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	23.41 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	30.08 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
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DATE: JANUARY 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/560
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	03.01.2020

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:35 A.M.	
03	Ambient Temperature	30.0 °C	
04	Dry Bulb Temperature	30.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	55.1 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	63.21 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	20.90 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	29.57 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
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- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: JANUARY 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/561
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	03.01.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	10:40 A.M.	
03	Ambient Temperature	30.0 °C	
04	Dry Bulb Temperature	30.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	55.1 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	58.83 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	19.05 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	27.18 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
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DATE: JANUARY 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/562
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	03.01.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:50 A.M.	
03	Ambient Temperature	31.0 °C	
04	Dry Bulb Temperature	31.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	50.6 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	64.23 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	25.80 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	32.47 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, MOBILE: 9657865122
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com

DATE: FEBRUARY 18, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/784
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	11.02.2020

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:25 A.M.	
03	Ambient Temperature	35.0 °C	
04	Dry Bulb Temperature	35.0 °C	
05	Wet Bulb Temperature	24.0 °C	
06	Relative Humidity	39.9 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	60.83 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	24.58 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	32.07 µg/cum	80 µg/cum

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.



Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.),
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- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com

DATE: FEBRUARY 18, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/785
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	11.02.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	10:40 A.M.	
03	Ambient Temperature	35.0 °C	
04	Dry Bulb Temperature	35.0 °C	
05	Wet Bulb Temperature	24.0 °C	
06	Relative Humidity	39.9 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	61.23 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	21.07 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	26.89 µg/cum	80 µg/cum

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.


Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.),
PH.: (0231) 2531231, MOBILE: 9657865122
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com

DATE: FEBRUARY 18, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/786
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	11.02.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:50 A.M.	
03	Ambient Temperature	35.0 °C	
04	Dry Bulb Temperature	35.0 °C	
05	Wet Bulb Temperature	24.0 °C	
06	Relative Humidity	39.9 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	69.83 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	23.01 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	33.74 µg/cum	80 µg/cum

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.



Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

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- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822882822
- OFFICE NO: 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 018 (M.S.), MOBILE : +91 9890150522
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: MARCH 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/907
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	04.03.2020

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:15 A.M.	
03	Ambient Temperature	33.0 °C	
04	Dry Bulb Temperature	33.0 °C	
05	Wet Bulb Temperature	19.0 °C	
06	Relative Humidity	25.0 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	58.23 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	21.85 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	27.44 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

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OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
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- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822882822
- OFFICE NO: 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890150522
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: MARCH 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/908
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	04.03.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	10:25 A.M.	
03	Ambient Temperature	33.0 °C	
04	Dry Bulb Temperature	33.0 °C	
05	Wet Bulb Temperature	19.0 °C	
06	Relative Humidity	25.0 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	56.86 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	18.74 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	22.15 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
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- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822882822
- OFFICE NO: 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890150522
- Website : www.equinoxenvi.com
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DATE: MARCH 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/909
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	04.03.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:40 A.M.	
03	Ambient Temperature	34.0 °C	
04	Dry Bulb Temperature	34.0 °C	
05	Wet Bulb Temperature	19.0 °C	
06	Relative Humidity	22.4 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	65.21 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	22.05 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	28.19 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

Annexure – IX

Noise Monitoring Reports

• ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY, ,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/461
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	14.12.2019.
Time:	02:15 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	63.5	75
02	Near ETP	72.7	75
03	Near Bagas Section	67.3	75
04	Near Sugar Godown	68.1	75
05	Near Cane Yard	73.3	75

Note:

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

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/462
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	14.12.2019.
Time:	03:20 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal Section	88.2	90
02	Turbine Section	86.7	90
03	Boiler Section	85.5	90
04	Mill Section	86.2	90
05	Pan Section	87.8	90

Note:

- The Factories' Act, 1948 has prescribed Noise Level threshold limit for 8 hours' exposure as 90 dB (A).

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY, PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: JANUARY 11, 2020

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.: Client : Site : Date of Sampling: Time:	EEIPL/REP/2019.20/565 M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., A/p.: Hupari, Dist.: Kolhapur. 03.01.2020. 02:35 P.M.
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RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	61.3	75
02	Near ETP	70.7	75
03	Near Bagas Section	68.5	75
04	Near Sugar Godown	63.1	75
05	Near Cane Yard	72.6	75

Note:

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

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
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- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: JANUARY 11, 2020

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/566
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	03.01.2020.
Time:	03:30 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal Section	87.8	90
02	Turbine Section	86.3	90
03	Boiler Section	87.1	90
04	Mill Section	85.4	90
05	Pan Section	86.8	90

Note:

- The Factories' Act, 1948 has prescribed Noise Level threshold limit for 8 hours' exposure as 90 dB (A).

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, MOBILE: 9657865122
- Website : www.equinoxenvi.com
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DATE: FEBRUARY 18, 2020

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/789
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	11.02.2020.
Time:	02:30 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	63.2	75
02	Near ETP	68.4	75
03	Near Bagas Section	71.3	75
04	Near Sugar Godown	65.1	75
05	Near Cane Yard	74.7	75

Note:

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



Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.),
PH.: (0231) 2531231, MOBILE: 9657865122
- Website : www.equinoxenvi.com
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DATE: FEBRUARY 18, 2020

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/790
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	11.02.2020.
Time:	03:30 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal Section	86.3	90
02	Turbine Section	84.8	90
03	Boiler Section	88.1	90
04	Mill Section	87.5	90
05	Pan Section	87.2	90

Note:

- The Factories' Act, 1948 has prescribed Noise Level threshold limit for 8 hours' exposure as 90 dB (A).


Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
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PANVEL - 410 206 (M.S.), MOBILE : +91 9822882822
- OFFICE NO: 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 018 (M.S.), MOBILE : +91 9890150522
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: MARCH 11, 2020

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/912
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	04.03.2020.
Time:	01:45 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	62.3	75
02	Near ETP	65.8	75
03	Near Bagas Section	69.1	75
04	Near Sugar Godown	63.4	75
05	Near Cane Yard	72.5	75

Note:

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

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
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- OFFICE NO: 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 018 (M.S.), MOBILE : +91 9890150522
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DATE: MARCH 11, 2020

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/913
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	04.03.2020.
Time:	02:15 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal Section	84.3	90
02	Turbine Section	66.1	90
03	Boiler Section	87.7	90
04	Mill Section	85.5	90
05	Pan Section	88.2	90

Note:

- The Factories' Act, 1948 has prescribed Noise Level threshold limit for 8 hours' exposure as 90 dB (A).

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

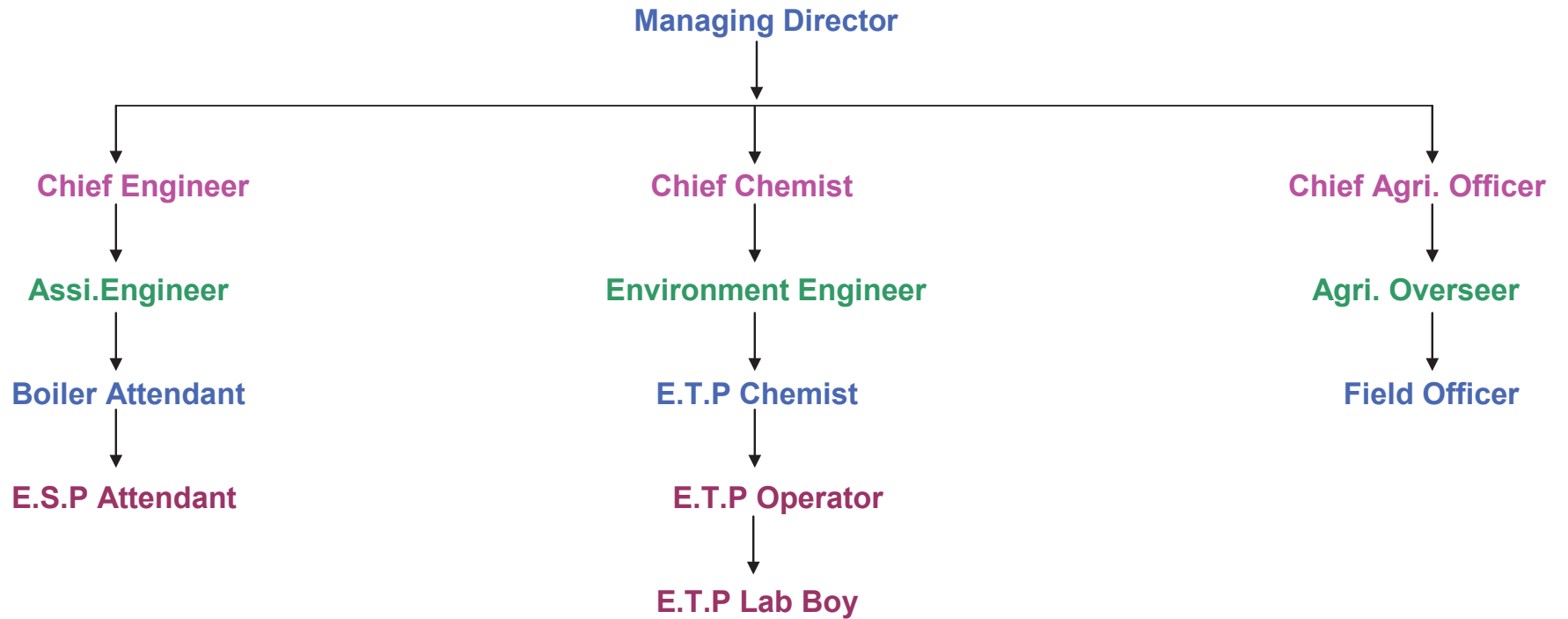
Annexure – X

Environment Management Cell

Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari

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

Environmental Management Cell



Annexure – XI

Acknowledgement of Compliance

REGISTERED A. D. /c

JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD., HUPARI

Shri Kallappanna Awadenagar, Hupari-Yalgud 416 203, Tal.: Hatkanangale, Dist.: Kolhapur (Maharashtra)
Phone (0230) 2450402 (5 Lines), Fax (0230) 2450401, E-mail : kprjsssk@gmail.com

Ref. No MFG/ETP/1349 / 2019-20

Date: 19/05/2020

To,

The Deputy Director General of Forest (Central),
West Central Zone, Regional Office (MoEFCC),
New Secretariat Building,
Opp.VCA Ground,
Civil Lines,
Nagpur – 440 001.

Sub : Submission of Six Monthly Compliance report for period October 2019 to March 2020. w.r.t Sugar Factory of 12000 TCD – M/s. **Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari**, Located At- Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur, Maharashtra.

Ref: Environmental Clearance (EC) Letter F. No. J-11011/38/2016-IA-II (I) dated 20th December, 2016.

Dear Sir,

This has reference to Environmental Clearance (EC) granted to our Sugar Factory of 12000 TCD – M/s. **Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari**, Located at Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur (Maharashtra State).

As per General Condition No. 14 in Environmental Clearance letter, we are submitting a Six Monthly Compliance report for a period of October 2019 to March 2020.

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

Thanking you,

Yours faithfully,
For Jawahar S.S.S.K. Ltd., Hupari



(M.G. Joshi)
Managing Director

Encl.: a/a

Received
Ratil
28/05/2020.
M.P.C. Board
Udyog Bhavan, Gr. Floor,
Near Collector Office,
203

EL
Sumb



Jawahar Sugar <kprjsssk@gmail.com>

Regarding Six Monthly Compliance report...

Jawahar Sugar <kprjsssk@gmail.com>

Wed, May 20, 2020 at 10:54 AM

To: ecompliance-mh@gov.in

Cc: mpcbmbai@mpcb.gov.in, westzonepcb@yahoo.com, rokolhapur <rokolhapur@mpcb.gov.in>

[Quoted text hidden]

--

Dear sir

Please Find Attachment

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

 **Six Monthly Compliance Report Oct-2019 to March-2020.pdf**
15137K

Annexure – XII

**Acknowledgement Copies of Environmental
Statement Submission**



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000025443

Submitted Date

04-09-2020

Company Information

Company Name

Jawahar Shetkari Sahakari Sakhar
Karkhana Ltd., Hupari

Application UAN number

MPCB-CONSENT-000009225

Address

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

Plot no

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

Taluka

Hatkanangale

Village

Yalgud-Hupari

Capital Investment (In lakhs)

32573.00

Scale

L.S.I

City

Hupari

Pincode

416203

Person Name

Manohar Gopal Joshi

Designation

Managing Director

Telephone Number

(0230)2450402 to 5 lines

Fax Number

(0230)2450401

Email

kprjssk@gmail.com

Region

SRO-Kolhapur

Industry Category

Red

Industry Type

R12 Sugar (excluding
Khandsari)

Last Environmental statement submitted online

yes

Consent Number

Format.1.0/CAC/UAN No.MPCB-
CONSENT-0000092225/CR-2008001114

Consent Issue Date

28/08/2020

Consent Valid Upto

31/07/2021

Product Information

Product Name

Sugar

Consent Quantity

211670

Actual Quantity

171615

UOM

MT/A

By-product Information

By Product Name

Molassess

Consent Quantity

58560

Actual Quantity

58955.760

UOM

MT/A

Press Mud

58560

46546.780

MT/A

Bagasse

429033

396283.820

MT/A

Electricity Generation

28.5

21.96

Mwh

1) Water Consumption in m3/day

Water Consumption for

Consent Quantity in m3/day

Actual Quantity in m3/day

Process	31.00	47.00
Cooling	100.00	110.00
Domestic	328.00	294.00
All others	0.00	0.00
Total	459.00	451.00

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Industrial	1200	774	CMD
Domestic	50	45	CMD

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

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Sugar	0.038	0.111	KL/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	7.678	8.3716	Ton/Ton
Lime	0.009	0.01082	Ton/Ton
O.P.Acid	0.000027	0.000026	Ton/Ton
Sulphur	0.0026	0.003512	Ton/Ton
Caustic Soda	0.000029	0.0000344	Ton/Ton
Phosphoric acid	0.000000	0.000000	Ton/Ton
Grease	0.000058	0.0000734	Ton/Ton
Bagasse for co-gen	1.159	1.3298	Ton/Ton
Oil	0.00021	0.00024	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	269376.000	228175.019	MT/A

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
COD	0.00007214	72.14	28.85	250	00
BOD	0.00002080	20.80	8.32	100	00
TSS	0.00001830	18.30	7.32	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	2.01	52.90	35.26	150	00
SPM- Boiler Stack 1	2.38	62.83	41.88	150	00
SO2- Boiler Stack 2	1.20	45.02	30.01	150	00
SPM- Boiler Stack 2	1.54	58.33	38.88	150	00

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	1.681	1.59	MT/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

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	3944.00	3423.00	MT/A
ETP Sludge	307.63	345.60	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	1.168	1.59	MT/A

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	1.59	MT/A	Concentration in liquid form

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	3423.00	MT/A	Solid
ETP Sludge	345.60	MT/A	Solid

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)
--	--	--	--	--	--	--

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	ETP modification purpose	0.72
Green Belt Development	Existing tree plantation done at factory site 62254no. of trees. We have 254 tree plantation done in the financial year	28.48

[B] Investment Proposed for next Year

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

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

a massive tree plantation has been done at factory site to minimise the frequency of air pollution. There are 62254 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 micro climatic conditions ultimately clean Environment.

Name & Designation

M.G. Joshi , Managing Director

Annexure – XIII

Copy of News Paper Advertisement

तरुण भारत

कोल्हापूर

www.tarunbharat.com

₹ ५.००

रविवार दि. २५ डिसेंबर २०१६

वेळगाव ● गोवा

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी

श्री कल्लाप्पाण्णा आवाडेनगर, हुपरी- यळगुड- ४१६ २०३, ता. हातकणंगले, जि. कोल्हापूर, (महाराष्ट्र) फोन नं.- (०२३०) २४५०४०२ (५ लाईन्स)

फॅक्स नं.- (०२३०) २४५०४०१ / email : kprissk@gmail.com

जवाहर कारखान्यास एन्व्हीरॉनमेंटल क्लिअरन्स प्राप्त

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी या कारखान्याने प्रस्तुतच्या ऊस गाळप क्षमतेचे प्रतिदिन ७५०० मे. टनावरून प्रतिदिन १२००० मे. टनापर्यंत विस्तारीकरण करण्यास मंजूरी मिळण्यासाठी पर्यावरण, वने व जलवायू परिवर्तन मंत्रालय, भारत सरकार, नवी दिल्ली यांचेकडे प्रस्तुतवा सादर केलेला होता. त्यास अनुसरून भारत सरकारचे पर्यावरण मंत्रालयकडून कारखान्यास F.No.- 11011/38/2016 - IA-II(I), दिनांक २० डिसेंबर २०१६ अन्वये एन्व्हीरॉनमेंटल क्लिअरन्स मिळालेला आहे. सादरचा एन्व्हीरॉनमेंटल क्लिअरन्स महाराष्ट्र प्रदुषण नियंत्रण मंडळ/ समिती आणि पर्यावरण मंत्रालयाचे वेबसाईट <http://moef.nic.in> वर पाहण्यासाठी उपलब्ध आहे. प्रसिद्धीकरिता जाहीर नोटीस.

ग्रामपंचायत खाटांगळे, ता. करवीर, जि. कोल्हापूर जाहीर ई-निविदा सूचना क्र. ०१-२०१६/१७

मौजे ग्रामपंचायत खाटांगळे, ता. करवीर कडील कामाची जाहीर ई-निविदा सूचना क्र. ०१/२०१६-१७ <https://mahatenders.gov.in> या संकेत स्थळावर दि. २३/१२/२०१६ दुपारी ०१.०० वाजलेपासून प्रसिद्ध करणेत आली आहे. निविदा भरण्याची व डाऊनलोड करण्याची शेवटची दि. २९/१२/२०१६ सायं. ०४.०० वाजेपर्यंत व निविदा ओपन दि. ३०/१२/२०१६ ला सायं. ०४.०० नंतर करण्यात येईल.

Sr. No	Name of Work	Amount put to Tender	Tender Form Cost	E.M.D (1%)	Class of Contractor
1	Construction of Cement Concrete Road and Laying Paving Block In Dalit Vasti (Harijan Vasti) At. Khatangale, Taluka. Karveer, Dist. Kolhapur (Dalit Vasti Sudhar Yojana 2016-2017)	399971.00	1000.00	4000.00	VII- And Above

सादर कामाची विस्तृत जाहीर निविदा सूचना <https://mahatenders.gov.in> या संकेत स्थळावर उपलब्ध आहे.

सरपंच

Shree Sadguru Balumama Charitable Trust

Metage, Tal-Kagal, Dist-Kolhapur

TENDER

Tender For Branded CCTV System For Shree Sadguru Balumama Charitable Trust. Requirement

HD System

THE TIMES OF INDIA

EPAPER.TIMESOFINDIA.COM

JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD., HUPARI

Shri Kallappanna Awadenagar, Hupari-Yalgud 416203, Tal.Hatkanangale, Dist.Kolhapur Phone (0230) 2450402 (5 Lines), Fax (0230) 2450401, email: kprjssk@gmail.com

Jawahar Sugar factory Hupari has granted the Environmental Clearance

It is for the information of all concerned that, M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari Shri Kallappanna Awade Nagar, Hupari- Yalgud, Tal- Hatkanangale, Dist- Kolhapur has submitted the proposal of proposed expansion of 7500 TCD to 12000 TCD capacity for obtaining the Environmental Clearance from Ministry of Environment, Forest and Climate Change Govt of India, New Delhi Accordingly, Ministry of Environment, Forest and Climate Change Govt. of India has granted the Environmental Clearance for expansion of our sugar unit 7500 TCD to 12000 TCD. Vide their letter F.No.J-11011/38/2016-IA-II (I) Dated 20th December, 2016. A copy of said clearance letter is available with State Pollution Control Board Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>.

PUBLIC NOTICE

NOTICE is hereby given that the undermentioned persons are the owners of their respective properties more particularly described in the schedule hereunder as shown hereunder against their respective names.

The said owners have agreed to sell/transfer the schedule property to my clients and they have further assured to my clients that the schedule property is free from all encumbrances and/or defects in title.

Any person/s having any claims by way of sale, mortgage, pre-emption, lease, lien, gift, easement, exchange, possession, inheritance, succession or otherwise howsoever in respect of the same are required to intimate the same in writing to the undersigned together with proof thereof within 14 days of publication of this notice failing which my clients shall complete the sale/transaction and all such claims, if any, shall be deemed to have been waived and/or abandoned with notice.

THE SCHEDULE ABOVE REFERRED TO:

ALL THAT PIECE AND PARCEL OF AGRICULTURAL LAND bearing Gat No. 139/1,

Area in Hectare - Ares	Total Area Hectare - Ares	Name of the Owners
04 - 94 (inclusive Potkharaba of 01 Hectare 52 Ares)	15 - 64	Amey Dinkar Savekar
04 - 95 (inclusive Potkharaba of 01 Hectare 52 Ares)	15 - 64	Ranjana Dinkar Savekar

collectively admeasuring 09 Hectares 89 Ares, situated at Village Kondegavhan, within the limits of Grampanchayat Kondegavhan, Taluka Panchayat Samiti Shrigonda, District Ahmednagar and collectively bounded as under:

ON OR TOWARDS THE:

NORTH : Land belonging to Mr. Rajaram Shirke
 SOUTH : Gat No. 118
 EAST : Land belonging to Mrs. Sangita Madake
 WEST : Gat No. 138, 137, 136, 134, 135, 132 & 126

This Notice dated this 23rd day of December, 2016.

SHRIMATI. DADIMANI

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JAWAHAR SHETKARI SAHAKARI SAKHAR KARKHANA LTD., HUPARI

Shri Kallappa Anna Awadenagar, Hupari-Yalgud 416 203, Tal.: Hatkanangale, Dist.: Kolhapur (Maharashtra)
Phone (0230) 2450402 (5 Lines), Fax (0230) 2450401, E-mail : kprjsssk@gmail.com

Ref. No MFG/ETP/7931 / 2020-21

Date: 24/11/2020

To,

The Regional Officer,
MoEFCC; Western Region (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines,
Nagpur – 440 001.
Email – eccompliance-mh@gov.com

Sub : Submission of Six Monthly Environment Compliance report for period April 2020 to September 2020. w.r.t Co-gen Unit of 28.5 MW- **M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari**, Shri Kallappa Anna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur, Maharashtra State.

Ref: Environmental Clearance (EC) Letter No. ENV (NOC) 2005/1591/CR224/TC-II dated 27/08/2007.

Dear Sir,

This has reference to Environmental Clearance (EC) granted to our Co-gen Unit of 28.5 MW – **M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari**, Shri Kallappa Anna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur, Maharashtra State.

We are submitting a Six Monthly Compliance report for a period of April 2020 to September 2020.

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

Thanking you,

Yours faithfully,
For Jawahar S.S.S.K. Ltd., Hupari


(M.G. Joshi)
Managing Director

Encl.: a/a



Copy for information to:-

1. Zonal Officer,
Central Pollution Control Board,
Parivesh Bhavan,
Opp.Ward No.10, VMC Office,
Subhanpura,
Vadodara (Gujarat)-390 023.
Email – westzonepcb@yahoo.com

2. Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, 3rd & 4th Floor,
Opp.Cine Planet,
Near Sion Circle, Sion (E),
Mumbai (Maharashtra) - 400 022.
Email – mpcbmbombai@mpcb.gov.in

3. Regional Officer,
Maharashtra Pollution Control Board,
Udyog Bhavan Building,
Naer Collector Office,
Kolhapur- 416 002.
Email – rokolhapur@mpcb.gov.com

Enclosure – I
EC Letter

GOVERNMENT OF MAHARASHTRA

☎ 2285 50 82
☎ 2202 59 46

No. ENV(NOC)2005/1591/CR224/TC-II
ENVIRONMENT DEPARTMENT,
Mantralaya, New Administrative Bldg.,
15th floor, Madam Cama Marg,
MUMBAI - 400 032.

Dated : 27 AUG 2007

To,

The Chairman /Managing Director,
M/s. Jawahar Shetkari Sahakari Sakhar Kharkhana Ltd.,
Kallapanna Awade Nagar,
Hupri Yalgud Road,
Dist. Kolhapur

Sub : Environment clearance.

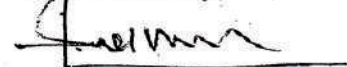
Sir,

I am directed to refer to your letter dated 11th October, 2006, on the subject mentioned above and to state that the Environment Department of the State Government has no objection from the environmental angle to permit you expansion of sugarcane crushing capacity from 5000 TCD to 7500 TCD (from Five Thousand TCD to Seven Thousand Five Hundred TCD only) and Co-Generation from 24 MW to 28.5 MW at, Kallapanna Awade Nagar, Hupri Yalgud Road] Dist. Kolhapur, Maharashtra State subject to the following conditions & general conditions stipulated in the Annexure.

These stipulations will be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 alongwith their amendments.

The above permission is without prejudice to any other permissions required under any of the laws, bye-laws or regulations in force and that the Government may impose any additional conditions from time to time for control of pollution, if necessary.

Yours faithfully,



(Surendra Jadhav)

Deputy Secretary to Government

ENCL : As above.

JAWAHAR SSSK LTD.. HUPRI
I/W No. 2292 Date 1/9/07
Sent To MD
Up ADM, Chemical Engg, CHE,
Secretary / Managing Director.

1. The Project Authority shall take adequate safety precautions in handling the raw materials, plant and machinery and the products of the processes so as to avoid any damage / loss of property, or environment.
2. The Project Authority shall provide personal protective equipments, impart training and medical facilities to the workers handling the hazardous / dangerous raw materials, finished products or processes.
3. The Project Authority shall prepare the on-site disaster management plan and should submit to the Director, Industrial Safety and Health. The copies of which shall also be submitted to the District Collector, Local Authority, Maharashtra Pollution Control Board (MPCB) and the Environment Department, Government of Maharashtra. The Project Authority shall submit the information to the Director, Industrial Safety and Health for the preparation of the off-site disaster management plan. The Project Authority should carry out periodical rehearsal of the on-site disaster management plan.
4. The Project Authority shall comply with all statutory requirements for safe transportation of raw materials / finished products in case of trucks / tankers carrying hazardous raw materials shall be washed and cleaned up within the plant premises, so as to ensure no pollution in the vicinity.
5. The Project Authority shall use cleaner technology for the manufacturing process and the clean fuel for the operations so as to reduce process waste, liquid effluents and gaseous emissions.
6. The Project Authority shall treat the liquid effluents so as to conform to the standards prescribed by MPCB. The disposal of the treated effluent shall be in accordance with the conditions imposed by MPCB / GOM (Government of Maharashtra / Government of India). The continuous monitoring facility for the effluents should be provided by the project authority. If the effluent quality exceeds the standards at any time the corresponding units of the plant which are contributing the excessive pollutant load shall be stopped from the operations till the quality of pollutant discharged from those units are brought down to the required level. Under no circumstances, the quality of the effluent shall exceed the limits mentioned in the consent letter. The Project Authority should draw water consumption plans and the time bound sincere efforts for the reduction of water consumption should be made.
7. In case the treated effluent is proposed to be utilized for land irrigation / gardening on the land owned by the Project Authority, the sufficient area should be earmarked for the same purpose in consultation with the Agriculture Department. Under no circumstances, such an effluent should be allowed to flow outside the premises of the project. During Monsoon, on heavy rainfall period, if the treated effluent can not be absorbed in the project land and there is likelihood of the effluent going into the nearby areas, the respective unit should be put out of operation immediately. For the purpose of effluent disposal, mechanical system (Sprinkler etc.) and shall make adequate arrangements for the storage of excessive effluent (impervious storage tank etc.) in consultation with MPCB.
8. The Project Authority shall regularly and periodically undertake soil testing of the land which are being used for the disposal of the effluent and shall also undertake periodical and regular testing of water sources in the vicinity of the project.
9. The Project Authority shall control the air emissions as per the standards prescribed by MPCB. No change in the design of stack and fuel mix be done without the permission of MPCB. Minimum number of air quality monitoring

- stations should be set up in consultation with MPCB in the plant and nearby areas. The air quality should be monitored on regular basis. All the stacks of the plant should be provided with the continuous stack monitoring equipment and the stack emission levels shall be recorded and submitted to the MPCB as per their directives.
10. The process emissions shall meet the standards prescribed by MPCB. At no time, the emissions should be beyond the standards. The respective units which exceed the standard should be put out of order immediately and should not be restarted until the control systems are rectified.
 11. The solid waste shall be treated and disposed off as prescribed in the authorization certificate granted by MPCB in accordance with the Hazardous Waste (Handling and Management) Rules, 1989 (wherever applicable).
 12. The Project Authority shall take precautions so as to reduce other types of environmental problems like noise, odour, thermal / heat and radio activity etc. (if applicable).
 13. The Project Authority shall set up environment management cell with a suitably qualified staff, to carry out various functions of the environment management. The Environment Management Plan should be prepared by the project authority shall also earmarked submitted to MPCB. The Project Authority shall also earmarked funds for the Environment Management Cell and same shall not be diverted for any other purpose. The Project Authority shall prepare environment statement every year and copy of the same should be submitted to the MPCB.
 14. The cases of any disaster / accident / mishap due to handling raw materials, process, plant and machinery or finished products, the Project Authority shall be personally, jointly and severally be responsible for the event.
 15. Tree plantation programs should be undertaken at the rate of not less than 2500 trees per ha. on the factory land, in consultation with the Forest Department of the State Government and MPCB.
 16. This environment clearance is not transferable and shall lapse after a period of 2 years from the date on which the clearance is given, unless the intended development is commenced before the expiry of the period.
 17. The Project Authority must strictly adheres to the stipulations made by MPCB / Government of Maharashtra / Government of India. The Project Authority shall submit the compliance report regarding conditions imposed by MPCB / Government of Maharashtra (Environment Department) / Government of India before commencement of production / activity.
 18. The Company should used a treated effluent for afforestation and create a green belt around the factory premises with necessary fencing around it.

**Point wise Compliance towards Condition in
Environment Clearance Letter**

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
1	<p>Condition No.1 The Project Authority shall take adequate safety precautions in handling the raw materials, plant and machinery and the products of the processes so as to avoid any damage / loss of life or property or environment.</p>	<p>Condition is being followed. Adequate safety measures for handling the raw material, plant and machinery are taken. Raw material used for Co-gen is bagasse, generated from own sugar factory. 65,520 MT/M of bagasse is used for generation of electricity. Bagasse is transported to boiler through close conveyor belt. A Risk Assessment Report has been prepared for project complex. Therein, identified hazard and mitigation measures have been suggested. Moreover, the fire hazard areas like bagasse storage yard, switchyard etc. have been provided with appropriate firefighting arrangements. Refer Annexure-I for boiler interlock details.</p>
2	<p>Condition No.2 The Project Authority shall provide personal protective equipments; impart training and medical facilities to the workers handling the hazardous / dangerous raw materials, finished products or processes.</p>	<p>The workers engaged in handling operations are provided with necessary Personal Protective Equipment's (PPEs) like safety helmet, shoes, goggles, face mask, dust mask, hand gloves, welder goggles, earmuffs, safety belts etc. Regular training is important for workers who are handling the hazardous / dangerous raw materials, finished products or processes etc. Moreover, annual health checkup of all workers is done through authorized and qualified doctor and records are maintained. Refer Annexure-II for health checkup report.</p>
3	<p>Condition No.3 The Project Authority shall prepare the on-site disaster management plan and should submit to the Director, Industrial Safety and Health. The copies of which shall also be submitted to the District Collector, Local Authority, Maharashtra Pollution Control Board (MPCB) and the Environment Department, Government of Maharashtra. The Project Authority shall submit the information to the Director, Industrial Safety and Health for preparation of the off-site disaster management plan. The Project Authority should carry out periodical</p>	<p>As mentioned above a Risk Assessment Report has already been prepared for entire project complex. Therein, identification of hazard and mitigation measures have been suggested. Moreover, the fire hazard areas like bagasse storage yard, switchyard etc. have been provided with appropriate firefighting arrangements. Periodic mock drills are conducted for imparting training on handling hazardous situations and handling of firefighting equipments.</p>

	rehearsal of the on-site disaster management plan.	
4	<p>Condition No.4</p> <p>The Project Authority shall comply with all statutory requirements for safe transportation of raw materials / finished products in case of trucks / tankers carrying hazardous raw material shall be washed and cleaned up within the plant premises, so as to ensure no pollution in the vicinity.</p>	Not applicable. Since electricity generated is directly fed to MSEB grid.
5	<p>Condition No.5</p> <p>The Project Authority shall be use cleaner technology for the manufacturing process and the clean fuel for the operations so as to reduce process waste, liquid effluents and gaseous emissions.</p>	In Co-gen plant electricity is generated using bagasse as fuel for steam generation. Bagasse is a renewable source of energy.
6	<p>Condition No.6</p> <p>The Project Authority shall treat the liquid effluents so as to conform to the standards prescribed by MPCB. The disposal of the treated effluent shall be in accordance with the conditions imposed by MPCB / GOM (Government of Maharashtra / Government of India). The continuous monitoring facility for the effluent should be provided by the project authority. If the effluent quality exceeds the standards at any time, the corresponding units of the plant which are contributing the excessive pollutant load shall be stopped from the operations till the quality of pollutant discharged from those units are brought down to the required level. Under no circumstances, the quality of the effluent shall exceed the limits mentioned in the consent letter. The Project Authority should draw water consumption plans and the time bound sincere efforts for the reductions of water consumption should be made.</p>	Effluent generated from Co-gen plant operation mainly comprise of boiler blow downs- 150 CMD and DM backwash -10 CMD. This entire effluent is forwarded to Sugar ETP.
7	<p>Condition No7</p> <p>In case of the treated effluent is proposed to the utilized for land irrigation / gardening on the land owned by the project Authority, the sufficient area should be earmarked for the same purpose in consultation with the Agriculture Department. Under no circumstances, such an effluent should be</p>	No effluent is discharge outside industrial premises. The treated effluent is being recycled and use for gardening in premises. Online monitoring system as well as flow meter already provided for ETP. ETP monitoring reports are attached at Refer Annexure- III.

	<p>allowed to flow outside the premises of the project. During Monsoon on heavy rainfall period, if the treated effluent cannot be absorbed in the project land and there is likelihood of the effluent going into the nearby areas, the respective unit should be put out of operation immediately. For the purpose of effluent disposal, mechanical system (Sprinkler etc.) and shall make adequate arrangements for the storage of excessive effluent (impervious storage tank etc.) in consultation with MPCB.</p>	
8	<p>Condition No.8 The Project Authority shall regularly and periodically undertake soil testing of land which are being used for the disposal of the effluent and shall also undertake periodical and regular testing of water sources in the vicinity of the project.</p>	<p>Industry regularly conducts soil testing by approved laboratory of nearby farmers where treated effluent is used for irrigation.</p>
9	<p>Condition No.9 The Project Authority shall control the air emissions as per the standards prescribed by MPCB. No change in the design of stack and fuel mix be done without the permission of MPCB. Minimum number of air quality monitoring stations should be set up in consultation with MPCB in the plant and nearby areas. The air quality should be monitored on regular basis. All the stacks of the plant should be provided with the continuous stack monitoring equipment and stack emission levels shall be recorded and submitted to the MPCB as per their directives.</p>	<p>ESP have been installed to Co-gen boiler of 20, 90& 75 TPH followed by stack of 75M& 72 M height. As per latest guidelines of CPCB, online monitoring system have been installed for Co-gen boiler stack. Therein, parameter like SPM is monitored continuously. Moreover, industry conducts self-monitoring w.r.t. Ambient Air, Stack Emissions, Noise as well as analysis of untreated and treated effluent on monthly basis. The same is done through an approved laboratory. The AAQ locations are selected in upwind and downwind directions. The report of the same are enclosed at Annexure- IV</p>
10	<p>Condition No.10 The process emissions shall meet the standards prescribed by MPCB. At no time, the emissions should be beyond the standards. The respective units which exceed the standard should be put out of order immediately and should not be restarted until the control systems are rectified.</p>	<p>The condition has been followed.</p>
11	<p>Condition No.11 The solid waste shall be treated and disposed off as prescribed in the authorization certificate granted by MPCB in accordance</p>	<p>No hazardous waste is generate in Co-gen plant. Solids waste in form of boiler ash is generated and the same is given to farmers for</p>

	with the Hazardous Waste (Handling and Management) Rules, 1989 (Wherever applicable).	use as manure. Also, given to brick manufacturer.
12	Condition No. 12 The project Authority shall take precautions so as to reduce other types of environment problems like noise, odour, thermal/heat and radio activity etc. (if applicable).	Major noise generating source are Boiler, Turbine, D.G. Set etc. The overall noise level in the around the plant area are maintained within the standards prescribed under Environment (Protection) Act, 1986 Rules. Workers working in noisy area are provided with personal protective equipment's such as earplug, earmuffs etc. No any radioactive substances are used in Co-gen plant.
13	Condition No. 13 The Project Authority shall set up environment management cell with a suitably qualified staff, to carry out various functions of the environment management. The Environment Management Plan should be prepared by the project authority shall also earmarked submitted to MPCB. The project Authority shall also earmarked funds for the Environment Management Cell and same shall not be diverted for any other purpose. The Project Authority shall prepare environment statement every year and copy of the same should be submitted to the MPCB.	A separate Environmental Management cell is already established. Refer Annexure- V for the same.
14	Condition No. 14 The cases of any disaster/accident/mishap due to handling raw materials, process, plant and machinery or finished products, the Project Authority shall be personally, jointly and severally be responsible for the event.	Noted.
15	Condition No. 15 Tree plantation programs should be undertaken at the rate of not less than 2500 trees per ha on the factory land, in consultation with the Forest Department of the state Government and MPCB.	Total 62254 Nos. of tree species have been planted in the factory premises. Out of the total plot of 246 Acres (99.55 Ha.), 83.20 Acres (34.61 Ha.) area comes under Greenbelt. This comes to about 33.82% of total plot area. Details of Greenbelt are attached at Refer Annexure- VI
16	Condition No. 16 This environment clearance is not transferable and shall lapse after a period of 2 years from the date on which the clearance is given,	The Condition is been followed by industry.

	unless the intended development is commenced before the expiry of the period.	
17	<p>Condition No. 17</p> <p>The Project Authority must strictly adhere to the stipulations made by MPCB/ Government of Maharashtra/ Government of India. The Project Authority shall submit the compliance report regarding conditions imposed by MPCB/ Government of Maharashtra (Environment Department)/ Government of India before commencement of production/activity.</p>	Compliance towards above conditions have been strictly followed.
18	<p>Condition No. 18</p> <p>The Company should used a treated effluent for afforestation and create a green belt around the factory premises with necessary fencing around it.</p>	Treated effluent is used for gardening purpose in the industrial premises.

Annexure – I

Boiler Interlock Details

Boiler Interlock

Fuel Handling System:

1. Main bagasse carrier tripped, previous carriers RBC belts tripped.
2. Pull cord & belt SWA switch provided for emergency operation.

Ash Handling System :

1. Ash conditioner tripped. Ash conveying system tripped.

FAN Interlock System :

1. ID Fan stopped or tripped then FD fan, SA fan and fuel handling system are tripped.
2. FD Fan stopped or tripped then SA Fan and fuel handling system are tripped.
3. SA Fan stopped or tripped the fuel handlings system are tripped.

Drum Level Interlock:

1. Drum level greater than 80% or less than 20% FD Fan tripped.

Bagasse Feeder Interlocks:

1. SA Fan air pressure for fuel feeding less than 250mmWc or both SA fan stopped or tripped.

Feed Pump Interlock:

1. Deareator level less than 30% or suction pressure less than 1 Kg/cm² or suction valve close. All any above conditions or any one of above conditions occur then feed pump tripped.

ESP Interlock System :

1. Purge air blower stopped or tripped or ESP inlet flue gas temperature less than 130°C or ESP hopper level hi hi alarm then ESP TRCC tripped.

Boiler Alarm

1. Fuel feeding air pressure for bagasse less than 350mmWc.
2. ESP inlet Temperature less than 140°C.
3. Main steam pressure less than 40 Kg/cm².
4. Main steam Temperature less than 400°C.
5. Deareator level less than 50%.
6. Deareator level greater than 90%.
7. Deaerator temperature less than 105°C.
8. Deareator temperature greater than 110°C.

Turbine Interlock System

Turbine Tripping Interlock:

1. Lube oil pressure less than 1.8 kg/cm².
2. Control oil pressure less than 7.8 kg/cm².
3. Turbine inlet pressure less than 38 kg/cm².
4. Turbine inlet temperature less than 350°C.
5. Exhaust pressure greater than 1.45 kg/cm².

Vibration Alarm and Trip Condition (Turbine, Gearbox and Alternator) :

Sr. No.	TAG	Service Name	Alarm H	Trip HH	Alarm L	Alarm LL
1.	ZI-801	Axial Displacement	0.4mm	0.6mm	0.4mm	0.6mm
2.	ZI-802	Axial Displacement	0.4mm	0.6mm	0.4mm	0.6mm
3.	ZI-801	Turbine front bearing vibration X-axis	76 μ	99 μ		
4.	ZI-802	Turbine front bearing vibration Y-axis	76 μ	99 μ		
5.	ZI-803	Turbine rear bearing vibration X-axis	76 μ	99 μ		
6.	ZI-804	Turbine rear bearing vibration Y-axis	76 μ	99 μ		
7.	ZI-805	GB High speed DE vibration X-axis.	65 μ	125 μ		
8.	ZI-806	GB High speed DE vibration Y-axis.	65 μ	125 μ		
9.	ZI-807	GB High speed NDE vibration X-axis.	65 μ	125 μ		
10.	ZI-808	GB High speed NDE vibration Y-axis.	65 μ	125 μ		
11.	ZI-809	GB Low speed NDE vibration X-axis.	90 μ	150 μ		
12.	ZI-810	GB Low speed NDE vibration Y-axis.	90 μ	150 μ		
13.	ZI-811	GB Low speed DE vibration X-axis.	90 μ	150 μ		
14.	ZI-812	GB Low speed DE vibration Y-axis.	90 μ	150 μ		
15.	ZI-813	Alternator front vibration X-axis.	178 μ	232 μ		
16.	ZI-814	Alternator front vibration Y-axis.	178 μ	232 μ		
17.	ZI-816	Alternator rear vibration X-axis.	178 μ	232 μ		
18.	ZI-817	Alternator rear vibration Y-axis.	178 μ	232 μ		
19.	--	Exciter field volt	200 V	200 V		
20.	--	Exciter field current	25 A	25 A		

Bearing Temperature, Alarm and Trip Condition (Turbine, Gearbox) :

Sr. No.	SENSOR	ALARM	TRIP
1.	Turbine thrust active top bearing temperature.	95°C	120°C
2.	Turbine thrust non active top bearing temperature.	95°C	120°C
3.	Turbine front bearing temperature.	110°C	120°C
4.	Turbine rear bearing temperature.	110°C	120°C
5.	Turbine active bearing bottom temperature.	95°C	120°C
6.	Turbine non active bearing bottom temperature.	95°C	120°C
7.	Gearbox high speed front bearing temperature.	100°C	120°C
8.	Gearbox high speed rear bearing temperature.	100°C	120°C
9.	Gearbox low speed front bearing temperature.	85°C	120°C
10.	Gearbox low speed rear bearing temperature.	85°C	120°C

Bearing Temperature, Alarm and Trip Condition (Alternator):

Sr. No.	SENSOR	ALARM	TRIP
1.	Alternator Front Bearing Temp.	85°C	120°C
2.	Alternator Rear Bearing Temp.	85°C	120°C
3.	Alternator Winding Temp.(U1)	125°C	130°C
4.	Alternator Winding Temp.(V1)	125°C	130°C
5.	Alternator Winding Temp.(W1)	125°C	130°C
6.	Alternator Winding Temp.(U2)	125°C	130°C
7.	Alternator Winding Temp.(V2)	125°C	130°C
8.	Alternator Winding Temp.(W2)	125°C	120°C
9.	Inlet Air Temp. - 1 (Not Trip)	50°C	55°C
10.	Outlet Air Temp. – 1 (Not Trip)	80°C	85°C
11.	Inlet Air Temp. - 2 (Not Trip)	50°C	55°C
12.	Outlet Air Temp. – 2 (Not Trip)	80°C	85°C
13.	Alternator Core – 1 Temp.	125°C	130°C
14.	Alternator Core – 2 Temp.	125°C	130°C

15.	Alternator Core – 3 Temp.	125°C	130°C
16.	Exciter Field Temp.	125°C	130°C

Bearing Gear Motor Interlock System:

1. Lube oil pressure greater than 1.95 kg/cm² then barring gear motor start permissive.
2. Turbine RPM less than 250 RPM then barring gear motor start permissive.

ALSTOM

Turbine Details :

Sr. No.	Particulars	Turbine Details	
		12 MW	2.5 MW
1.	Type	Back Pressure Route	Back Pressure Route
2.	Working Pressure	42 Kg/cm ² g	20 Kg/cm ² g
3.	Working Temperature	475°C	320°C
4.	Qty.	2 Nos.	1 No.

Sr. No.	Criterion	Unit	Normal Value	Response Value	TAGON°	Remark
A] Protection equipment (emergency tripping) :						
1.	Trip Relay	Min ⁻¹	7000	7700	SSH1-01	
2.	Rotor axial position	µm	< 130	> 530	ZS	
3.	Lube oil pressure	Kgf/cm ²	2,0	≤ 1,0	PS-P32A/B	
4.	Exhaust steam pressure	Kgf/cm ²	1,0	1,2	PS-P-01A/B	
5.	Metal Bearing Temp.	°C	70 – 85	105	TI3-P-(31-38)	
B] Safety Equipment (Switching) :						
1.	Automatic start of auxiliary oil	Kgf/cm ²	8,0	< 6,0	PS-P-31	
2.	Automatic start of recooling oil	Kgf/cm ²	2,0	< 1,0	PS-P-36	
C] Monitoring Equipment (Alarms) :						
1.	Difference pressure Main oil Δp	Kgf/cm ²	0,5	≥ 0,8	PDS-S-31	
2.	Lube oil temp. after oil cooler.	°C	45	≥ 55	TI3-P-50	
3.	Rotor axial position	µm	< 130	> 330	ZS	
4.	Exhaust steam pressure.	Kgf/cm ²	1,0	> 1,1	PT-S-04	

Annexure– II

Health Check Up Reports

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

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

Company Name : **JAWAHAR SHETKARI SAHAKARI 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 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.
0437	MR. MALLAPPA D KHADAKE	55	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1718	MR. SANJAY A CHAWARE	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1761	MR. AMOL D HANWADE	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1950	MR. SANJAY R PATIL	43	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0656	MR. BHIMRAO D KHOT	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1849	MR. RAJENDRA R HAWALDAR	58	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1767	MR. JIVANDHAR V KAMBLE	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0499	MR. KRISHNAT S MORE	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0755	MR. VIJAY R DANGARE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0623	MR. SHIVAJI K KOLI	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1639	MR. SHITAL A MALI	40	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1720	MR. NITIN B SHINTRE	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7262	MR. ROHIT S PATIL	28	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1507	MR. SUNIL M KESARKAR	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1556	MR. RAMESH D PATIL	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1548	MR. ANANDA R MAGDUM	47	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0396	MR. UDAY A AINEPURE	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1278	MR. UMESH B MANE	44	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1847	MR. PRAVIN B VATHARE	41	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

आरव्हाणे अधिनियम १९४८ च्या कलम १०(२) प्रमाणे **DR. ARVIND A. MANE**
MBBS, DPH, AFIH (MUMBAI)

कोल्हापूर जिल्हाकरिता
प्राधिकृत प्रमाणकक्षेत्रविकल्पाक
क. ACS 15-AM/2016
MHC REGD. NO. : 2010/10/3176
GOVT. OF INDIA-GOFASLI REGD. NO.-02368
Consultant Industrial Health Physician

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

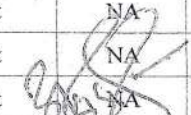
HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

Certifying Surgeon
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panv Name : **JAWAHAR SHETKARI SAHAKARI 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.
1426	MR. SURESH S KORVI	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1439	MR. SANJAY S BANNE	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0968	MR. RAJENDRA D KORADE	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1815	MR. RAMDAS K DAGADE	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7035	MR. SHITAL M AKKIVATE	29	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1023	MR. RAMCHANDRA GHORPALE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2147	MR. VIJAY S MANE	40	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7031	MR. RAHUL S HANBHAR	26	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1050	MR. NARSU K MORE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7111	MR. PRAKASH V PUJARI	24	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1031	MR. SUNIL M KAMBLE	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2212	MR. MAHENDRA L HARUGADE	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1592	MR. VASANT D KAGALE	57	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0233	MR. TATYASO K SHIRPUSE	58	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7006	MR. SURAJ D PATIL	29	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1073	MR. MAHADEV G HEGADE	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
6027	MR. RAMESH R AWATE	30	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0853	MR. IQBAL A ATTAR	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0168	MR. IMTIAZ BHADGAONKAR	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	


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 कालहापूर जिल्हाकरिता
 मापिकृत प्रमाणकाल्पयिकिरसक
 NHC REGD. NO. : 2810/10/3178
 GOVT. OF MHA-GOFASLI REGD. NO.-02300
 Consultant Industrial Health Physician

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

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0650	MR. MAYAPPA L MUDALE	55	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1404	MR. DHANAJRAO S SHINDE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1631	MR. BHARAT B SALOKHE	48	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1331	MR. SANJAY A GAT	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2001	MR. DADASO A PATIL	34	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0001	MR. MANOHAR G JOSHI	58	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1667	MR. SACHIN A PATIL	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7226	MR. RAMCHANDRA B KOLI	27	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0242	MR. NITIN B BHOSALE	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1314	MR. KUMAR B KHUL	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1437	MR. SADIK I MUJAWAR	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0668	MR. ASHOK V DESAI	57	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7257	MR. VISHAL J KAMBLE	25	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0994	MR. LAXMAN S LALI	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1223	MR. BALASO K KAMBLE	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1954	MR. RAHUL V MUDRALE	43	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1198	MR. SAMEER H KOTWAL	44	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1868	MR. BALASO A SANADI	53	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1597	MR. SUBHASH J AMTE	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

जावहार शेतकरी साहकारी कारखाना

Dr. ARVIND A. MANE

कोल्हापूर विभागातील

MMC REGD. NO. : 2810/103176

प्रमाणित प्रमाणिकृत वैद्यकीय

GOVT. OF INDIA-GDFASLI REGD. NO. 42915

Consultant Industrial Health Physician

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

Certifying Surgeon

DR. ARVIND MANE

MBBS DPH AFIH.(Mumbai)

Company Name : JAWAHAR SHETKARI SAHAKARI 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.
6004	MR. BHARAT J CHOUGULE	43	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1958	MR. PRASHANT S PATIL	35	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0992	MR. BABURAO A KAMATE	53	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1607	MR. KAKASO S TIKUTE	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7345	MR. MARUTI S MANE	37	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0245	MR. BALASO D SASANE	55	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0910	MR. RAJENDRA A GANGAI	48	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1262	MR. NISHIKANT N PATIL	40	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2143	MR. PRASHANT V CHAKOTE	38	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7108	MR. AMOL S DESHMANE	24	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2169	MR. ANIL R CHOUGULE	43	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7214	MR. ROHIT R PATIL	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1986	MR. FARUKH S SANADI	33	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7441	MR. PRAVIN R DANDAGE	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2213	MR. PADMAKAR B PATIL	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0953	MR. RAJENDRA A LATTIMARDI	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1009	MR. MADHUKAR M MALI	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2133	MR. AVINASH P PATANKAR	27	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0625	MR. SAGAR R PATIL	46	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

मे जतिविल १९८६ चा कल १०(२) को Dr. ARVIND A. MANE
 कोल्हापूर जिल्हाकरिता
 MBBS DPH AFIH (MUMBAI)
 REGD. NO. : 201010/3176
 COE OF PHIL GOFASLI REGD. NO. 02308
 Certified Industrial Health Physician

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

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

Company Name : **JAWAHAR SHETKARI SAHAKARI 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 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.
1018	MR. BAPUSO B GHONGADE	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1348	MR. RAMESH S WADD	47	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1692	MR. MUSTAK A NAYANI	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7310	MR. DIPAK V PARIT	21	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1680	MR. BABASO S DHAINGADE	40	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1897	MR. AMOL G HANDE	39	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1411	MR. JITENDRA B PATIL	49	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7238	MR. ANURAJ V YADAV	24	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7181	MR. TOUSIF H MUJAWAR	28	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7003	MR. SACHIN M AKURDE	28	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1395	MR. ADINATH P KUMBHAR	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1022	MR. KIRAN S DHALGAVE	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1547	MR. KRUSHNATH GOUD	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1833	MR. SURESH M SULKUDE	42	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
2040	MR. SWAPNIL B CHOUGULE	34	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1503	MR. KIRAN S KURNE	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0092	MR. LAXMAN K CHOUGULE	55	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7021	MR. AJIT A PATIL	25	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1860	MR. DURGADAS N KUMBHAR	41	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

जाखने अधिनियम 1947 च्या कलम 90(2) प्रमाणे

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

कोल्हापूर जिल्हाकरिता

MMC REGD. NO. : 2010/103176

प्राधिकृत प्रमाणक आरोग्यचिकित्सक

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

Consultant Industrial Health Physician

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

HEALTH REGISTER

From: 02/09/2020 To 01/09/2021

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

Emp Name : **JAWAHAR SHETKARI SAHAKARI 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 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.
0091	MR. SHAILESHKUMAR VELLA	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7034	MR. HARSHAL D PATIL	24	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7317	MR. SAURABH HANABARHADDI	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
6227	MR. GAIBI H HAJARI	59	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0303	MR. PANDURANG G PATIL	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1549	MR. PRAKASH K PAWAR	52	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1861	MR. AJIT A PATIL	45	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1568	MR. SHRIKANT V PATIL	50	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7430	MR. SUSHANT B MALLIWADE	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7434	MR. VIJAY V BHOSALE	20	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7344	MR. SAGAR S AAIVALE	23	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7376	MR. SHITAL S PATIL	21	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
7019	MR. BALASO B KOLAJ	35	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1773	MR. SUDHAKAR S KOIK	41	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0906	MR. VIKRAM D JADHAV	51	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
1941	MR. KIRAN D KOLI	44	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0996	MR. RAKESH D MALI	47	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
-	MR. RAHUL BHADURWADE	27	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	
0302	MR. ASHOK A PATIL	56	M	-	NA	NA			02/09/2020	Fit	NA	Fit	NA	

कार्यालये अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकारिगता

प्राधिकृत प्रमाणकअध्यक्षचिकित्सक

क. ACS 15-AM/2016

Dr. ARVIND A. MANE

MBBS, DPH AFIH (Mumbai)

MMC REGD. NO. : 2010/103176

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

Consultant Industrial Health Inspector

Annexure– III

Monitoring Reports of ETP

- ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY, PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2019.20/463
Client:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Location:	Effluent Treatment Plant.
Plant Condition:	ETP in Operation.
Date of Sampling:	14.12.2019.
Analysis Date:	15.12.2019.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SR. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	3.96	7.20	6.5-8.5	--
02	Suspended Solids (SS)	265.10	18.30	100	mg/lit
03	Total Dissolved Solids (TDS)	1524.78	670.57	2100	mg/lit
04	Chemical Oxygen Demand (COD)	3053.62	72.14	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1500.41	20.80	100	mg/lit
06	Chlorides as Cl ⁻	501.27	164.19	600	mg/lit
07	Sulphates as SO ₄ ²⁻	623.88	211.50	1000	mg/lit
08	Oil & Grease	5.11	BDL	10	mg/lit

Note:

- BDL: Below Detectable Limit

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: JANUARY 11, 2020

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2019.20/567
Client:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Location:	Effluent Treatment Plant.
Plant Condition:	ETP in Operation.
Date of Sampling:	03.01.2020.
Analysis Date:	04.01.2020.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SR. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	4.20	7.55	6.5-8.5	--
02	Suspended Solids (SS)	585.12	19.30	100	mg/lit
03	Total Dissolved Solids (TDS)	1492.73	580.77	2100	mg/lit
04	Chemical Oxygen Demand (COD)	3253.08	71.49	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1526.10	18.70	100	mg/lit
06	Chlorides as Cl ⁻	453.27	113.34	600	mg/lit
07	Sulphates as SO ₄ ²⁻	301.90	150.34	1000	mg/lit
08	Oil & Grease	3.12	BDL	10	mg/lit

Note:

- BDL: Below Detectable Limit

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY, PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: FEBRUARY 18, 2020

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2019.20/791
Client:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Location:	Effluent Treatment Plant.
Plant Condition:	ETP in Operation.
Date of Sampling:	11.02.2020.
Analysis Date:	12.02.2020.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SR. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	3.74	7.63	6.5-8.5	--
02	Suspended Solids (SS)	624.50	21.90	100	mg/lit
03	Total Dissolved Solids (TDS)	1356.22	445.19	2100	mg/lit
04	Chemical Oxygen Demand (COD)	3438.16	77.40	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1619.57	16.10	100	mg/lit
06	Chlorides as Cl ⁻	325.14	132.34	600	mg/lit
07	Sulphates as SO ₄ ²⁻	215.73	125.20	1000	mg/lit
08	Oil & Grease	3.50	BDL	10	mg/lit

Note:

- BDL: Below Detectable Limit

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: MARCH 11, 2020

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2019.20/914
Client:	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Location:	Effluent Treatment Plant.
Plant Condition:	ETP in Operation.
Date of Sampling:	04.03.2020.
Analysis Date:	05.03.2020.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SR. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	3.91	7.80	6.5-8.5	--
02	Suspended Solids (SS)	849.53	22.01	100	mg/lit
03	Total Dissolved Solids (TDS)	1558.70	556.30	2100	mg/lit
04	Chemical Oxygen Demand (COD)	3321.47	78.95	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1560.24	21.11	100	mg/lit
06	Chlorides as Cl ⁻	268.10	150.43	600	mg/lit
07	Sulphates as SO ₄ ²⁻	164.20	115.50	1000	mg/lit
08	Oil & Grease	4.11	BDL	10	mg/lit

Note:

- *BDL: Below Detectable Limit*

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

Annexure – IV
Monitoring Reports of Ambient Air Quality

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/456
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	14.12.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:30 A.M.	
03	Ambient Temperature	28.0 °C	
04	Dry Bulb Temperature	28.0 °C	
05	Wet Bulb Temperature	21.0 °C	
06	Relative Humidity	53.4 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	59.23 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	18.50 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	26.84 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/457
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	14.12.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	10:45 A.M.	
03	Ambient Temperature	28.0 °C	
04	Dry Bulb Temperature	28.0 °C	
05	Wet Bulb Temperature	21.0 °C	
06	Relative Humidity	53.4 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	56.87 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	17.43 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	25.04 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

• ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: DECEMBER 27, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/458
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	14.12.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:55 A.M.	
03	Ambient Temperature	28.0 °C	
04	Dry Bulb Temperature	28.0 °C	
05	Wet Bulb Temperature	21.0 °C	
06	Relative Humidity	53.4 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	62.86 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	23.41 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	30.08 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS, CONSULTANTS AND ANALYSTS
- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI-PUNE HIGHWAY, PANVEL - 410 206 (M.S.), MOBILE : +91 9822682822
- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: JANUARY 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/560
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	03.01.2020

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:35 A.M.	
03	Ambient Temperature	30.0 °C	
04	Dry Bulb Temperature	30.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	55.1 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	63.21 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	20.90 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	29.57 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

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DATE: JANUARY 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/561
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	03.01.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	10:40 A.M.	
03	Ambient Temperature	30.0 °C	
04	Dry Bulb Temperature	30.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	55.1 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	58.83 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	19.05 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	27.18 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

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- OFFICE NO. 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK, PUNE - 411 019 (M.S.), MOBILE : +91 9890160622
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DATE: JANUARY 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/562
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	03.01.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:50 A.M.	
03	Ambient Temperature	31.0 °C	
04	Dry Bulb Temperature	31.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	50.6 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	64.23 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	25.80 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	32.47 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION, OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231, MOBILE: 9657865122
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com

DATE: FEBRUARY 18, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/784
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	11.02.2020

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:25 A.M.	
03	Ambient Temperature	35.0 °C	
04	Dry Bulb Temperature	35.0 °C	
05	Wet Bulb Temperature	24.0 °C	
06	Relative Humidity	39.9 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	60.83 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	24.58 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	32.07 µg/cum	80 µg/cum

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.


Dr. Sandip Mangalekar
 (Dy. Head Monitoring)

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.),
PH.: (0231) 2531231, MOBILE: 9657865122
- Website : www.equinoxenvi.com
- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com

DATE: FEBRUARY 18, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/785
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	11.02.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	10:40 A.M.	
03	Ambient Temperature	35.0 °C	
04	Dry Bulb Temperature	35.0 °C	
05	Wet Bulb Temperature	24.0 °C	
06	Relative Humidity	39.9 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	61.23 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	21.07 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	26.89 µg/cum	80 µg/cum

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.


Dr. Sandip Mangalekar
(Dy. Head Monitoring)

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.),
PH.: (0231) 2531231, MOBILE: 9657865122
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DATE: FEBRUARY 18, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/786
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	11.02.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:50 A.M.	
03	Ambient Temperature	35.0 °C	
04	Dry Bulb Temperature	35.0 °C	
05	Wet Bulb Temperature	24.0 °C	
06	Relative Humidity	39.9 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	69.83 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	23.01 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	33.74 µg/cum	80 µg/cum

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.



Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822882822
- OFFICE NO: 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 018 (M.S.), MOBILE : +91 9890150522
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- E-mail : enquiry@equinoxenvi.com, customercare@equinoxenvi.com



DATE: MARCH 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/907
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	04.03.2020

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:15 A.M.	
03	Ambient Temperature	33.0 °C	
04	Dry Bulb Temperature	33.0 °C	
05	Wet Bulb Temperature	19.0 °C	
06	Relative Humidity	25.0 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	58.23 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	21.85 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	27.44 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

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CONSULTANTS AND ANALYSTS

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TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
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PANVEL - 410 206 (M.S.), MOBILE : +91 9822882822
- OFFICE NO: 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890150522
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DATE: MARCH 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/908
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	04.03.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	10:25 A.M.	
03	Ambient Temperature	33.0 °C	
04	Dry Bulb Temperature	33.0 °C	
05	Wet Bulb Temperature	19.0 °C	
06	Relative Humidity	25.0 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	56.86 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	18.74 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	22.15 µg/cum	80 µg/cum

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.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL, CIVIL & CHEMICAL ENGINEERS,
CONSULTANTS AND ANALYSTS

- F-11, NAMDEV NEST, 1160-B, 'E' WARD, SYKES EXTENSION,
OPP. KAMALA COLLEGE, KOLHAPUR - 416 001 (M.S.), PH.: (0231) 2531231,
TELEFAX : (0231) 2526337, MOBILE : (0) 9657865122
- F-502, FIFTH FLOOR, NANDANVAN TOWER, MUMBAI PUNE HIGHWAY,
PANVEL - 410 206 (M.S.), MOBILE : +91 9822882822
- OFFICE NO: 67, 4th FLOOR, KUNAL PLAZA, CHINCHWAD CHOWK,
PUNE - 411 019 (M.S.), MOBILE : +91 9890150522
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DATE: MARCH 11, 2020

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2019.20/909
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	04.03.2020

RESULTS

SR.NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:40 A.M.	
03	Ambient Temperature	34.0 °C	
04	Dry Bulb Temperature	34.0 °C	
05	Wet Bulb Temperature	19.0 °C	
06	Relative Humidity	22.4 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	65.21 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	22.05 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	28.19 µg/cum	80 µg/cum

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.

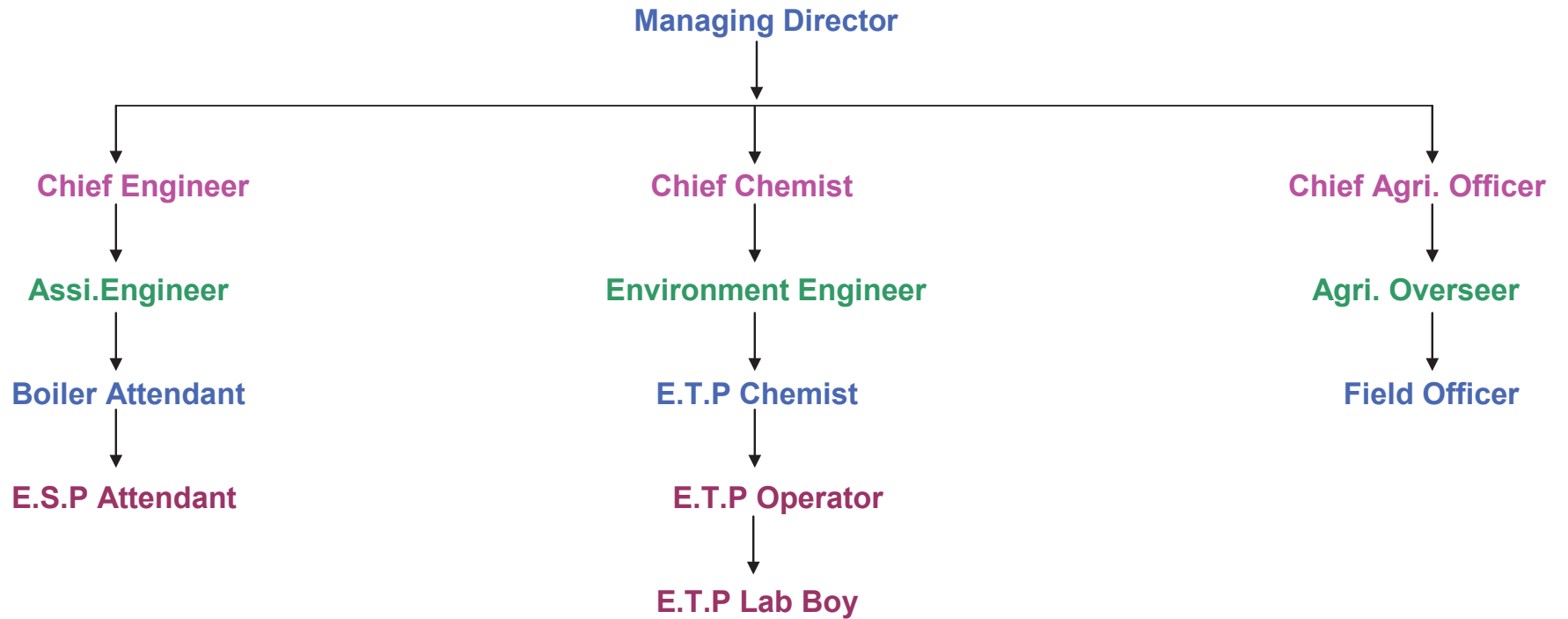
Dr. Sandip Mangalekar
(Dy. Head Monitoring)

Annexure – V
Environment Management Cell

Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari

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

Environmental Management Cell



Annexure – VI

Green Belt Details

चिफ केमिस्टसाओ
यांचेकडे स-

विषय : गार्डन विभागाकडील क्षेत्र निहाय झाडांची माहिती.

महोदय,

आपले दि. ०६/१०२०२० च्या डी.पी. नुसार दि.३०-०९-२०२० अखेर गार्डन विभागाकडील झाडांची क्षेत्रवाईज माहिती खालीलप्रमाणे-

अ.न.	गट नं.	झाडांचे क्षेत्र	एकर गुंठे
१	१२५८	खोपी तळ	२२.३६
२	३१५/८,९	कॉलनीतील झाडे	५.००
३	३१५/११	केनयार्ड पश्चिम बाजू	३.३०
४	३१५/९,१०	ऑफीस मागील आंबा व गुलाब	३.००
५	३१५/१०	स्टेज परीसर	२.११
६	३१५/९, ९२५/९	मेन रोड साईट दोन्ही बाजू	१.१३
७	३१५/१४	राख अड्डा	०.१३
८	३१५/१४	हमाल शेड निलगिरी प्लॉट	४.२६
९	३१५/१४	हमाल शेड जंगली झाडे	४.१६
१०	३१५/११	कारखाना मेन गेट परिसर	०.०३
११	३१५/१४	स्विचयार्ड बैलगाडी अड्डा	०.२२
१२	३१५/११	तळ्याभोवतीचे क्षेत्र गोडा.१३ मागे	२.१०
१३	३१५/७	पेट्रोल पंप	०.०५
१४	३१५/८	कंपोस्ट यार्डातील बांबू	२.२५
१५	३१५/७,८,९	बियाणे मळा	१३.३०
१६	९२५/९	फ्लॉवर बेड	०.११
१७	३१५/९	गेस्टहाऊस, बोर्डरूम परिसर	०.१२
१८	९२५/९	करंज,चिक्कू,आंबा परिसर	२.०२
१९	९२५/९	म्हसोबा मंदीर परिसर	६.००
२०	९२५/९,३१५/९	राजराजेश्वरी मंदीर ते बियाणे मळा नारळ, अशोक	१.३१
२१	९२५/९	कॅनॉल बाजू नारळ, अशोक झाडे	१.०८
२२	९२५/९,३१५/९	गेटबाहेरील दोन्ही क्रॉसबेड	०.०८
२३	९२५/९	मंदीर परिसर	१.१०
२४	९२५/९	केनयार्ड ते राजराजेश्वरी मंदीर रोड	०.२२
२५	९२५/९	ट्रॅक्टर अड्ड्यातील झाडे	२.३६
		एकूण-	८३.२०

मुख्य शेती अधिकारी

जवाहर शेतकरी सहकारी साखर कारखाना लि., हुपरी,

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

फोन नं. (०२३०)२४५०४०२ ते ६, फॅक्स नं. (०२३०)२४५०४०१,

ई-मेल : kprjssk@gmail.com

कारखाना कार्यस्थळांवर असलेल्या विविध झाडांची माहिती

सन २०२०

दि. ०६/१०/२०२०

अ.नं.	तपशील	संख्या
अ)	फळझाडे	
१	नारळ	६१३
२	आंबा	३५०
३	चिक्कू	१५६
	एकूण -	१११९
ब)	जंगली झाडे	
१	रेनट्री	२६७५
२	कॅशिया	१७५२
३	चिंच	७८
४	कदंब	१७
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