

SPEED POST

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/7624 / 2019-20

Date: 25/11/2019

To,
The Regional Officer,
Ministry of Environment, Forest & Climate Change,
Western Region (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines,
Nagpur – 440 001.

Sub : Submission of Six Monthly Compliance report for period April 2019 to September 2019 w.r.t Sugar Unit of 12000 TCD – M/s. **Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari**, Shri Kallappanna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur (MS).

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 Unit of 12000 TCD – M/s. **Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari**, 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 2019 to September 2019.

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

Send
72

Copy for information to:-

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

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

3. Regional Officer,
Maharashtra Pollution Control Board,
Udyog Bhavan Building,
Naer Collector Office,
Kolhapur- 416 002.

Six monthly (Period April 2019 to September 2019) Compliance report for Sugar Unit of Capacity 12000 TCD by M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. (JSSSKL), Shri Kallappa Anna Awadenagar, Hupari-Yalgud, Tal.: Hatkanangale, Dist.: Kolhapur, MS.

Compliance of Specific and General Conditions mentioned in Environmental Clearance (EC) letter J-11011/38/2016-IA II (I) dated 20.12.2016 for period from April 2019 to September 2019 is presented as follows-

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
SPECIFIC CONDITIONS		
1.	<p>Condition No.1 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.</p>	<p>ESPs including adequate height stacks for all three boilers are provided for control of Particulate Matter and Gaseous pollutants. Moreover, online monitoring system is also installed on stack. Photographs of same are attached at Annexure - I.</p>
2.	<p>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.</p>	<p>Compliance already done.</p>
3.	<p>Condition No.3 Total fresh water requirement from Doodhganga River shall not exceed 600m³/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.</p>	<p>Total fresh water requirement for 12000 TCD Sugar Unit does not exceed 600 m³/day during above said monitoring period. Also the same is being taken from Doodhganga river for which permission has already been procured. Refer Annexure – II for copy of same.</p>
4.	<p>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.</p>	<p>The compliance towards condition is being followed.</p>
5.	<p>Condition No.5 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</p>	<p>The existing ETP has been upgraded in which the effluent is being treated. The parameters of treated effluent are within the prescribed limits. Online monitoring system as well as</p>

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	BOD 30 mg/l.	flow meter has been provided for ETP. Refer Annexure – III for Photographs of ETP units. Refer Annexure – VII for Effluent monitoring reports.
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 to gardening & irrigation purpose in factory premises.
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 or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided. Bagasse ash and coal ash should be stored separately.	Boiler ash is transfer to ash silo through pneumatic ash handling system through closed pipe. Refer Annexure – IV for photographs of same. Workers entering inside the plant area are provided Personal Protective Equipments (PPEs) to protect them from direct exposure to fly ash & dust.
9.	Condition No.9 Occupational health surveillance programmers should be undertaken as regular exercise for all employees. The first aid facility 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 being 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 same is already done.
12.	Condition No.12 As proposed, green belt over 33% of plot area	Total 62254 Nos. of tree species have been

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	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.	planted in the factory premises. Out of the total plot of 246 Acres (99.55 Ha.), 85 Acres (34.39 Ha.) area comes under Greenbelt. This comes to about 35% of total plot area. Details of Greenbelt are attached at Annexure – VI .																											
13.	<p>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.</p>	<p>Enterprise Social Commitment is being implemented in phase-wise manner. Following are the details of expenditure made during the monitoring period:</p> <table border="1" data-bbox="886 667 1484 1339"> <thead> <tr> <th data-bbox="886 667 967 741">Sr. No.</th> <th data-bbox="967 667 1284 741">ESC Activities</th> <th data-bbox="1284 667 1484 741">Amount</th> </tr> </thead> <tbody> <tr> <td data-bbox="886 741 967 821">1.</td> <td data-bbox="967 741 1284 821">Sports promotion funding</td> <td data-bbox="1284 741 1484 821">Rs. 2.77 Lakhs</td> </tr> <tr> <td data-bbox="886 821 967 894">2.</td> <td data-bbox="967 821 1284 894">Funding for Social Activities</td> <td data-bbox="1284 821 1484 894">Rs. 23.13 Lakhs</td> </tr> <tr> <td data-bbox="886 894 967 968">3.</td> <td data-bbox="967 894 1284 968">Medical Aid</td> <td data-bbox="1284 894 1484 968">Rs. 8.65 Lakhs</td> </tr> <tr> <td data-bbox="886 968 967 1041">4.</td> <td data-bbox="967 968 1284 1041">Funding for Education</td> <td data-bbox="1284 968 1484 1041">Rs. 1.45 Lakhs</td> </tr> <tr> <td data-bbox="886 1041 967 1115">5.</td> <td data-bbox="967 1041 1284 1115">Funding for Cultural Programmes</td> <td data-bbox="1284 1041 1484 1115">Rs. 3.10 Lakhs</td> </tr> <tr> <td data-bbox="886 1115 967 1188">6.</td> <td data-bbox="967 1115 1284 1188">Provision of Drinking water facility</td> <td data-bbox="1284 1115 1484 1188">Rs. 0.00 Lakhs</td> </tr> <tr> <td data-bbox="886 1188 967 1262">7.</td> <td data-bbox="967 1188 1284 1262">Drip Irrigation Subsidy</td> <td data-bbox="1284 1188 1484 1262">Rs. 11.08 Lakhs</td> </tr> <tr> <td data-bbox="886 1262 967 1339"></td> <td data-bbox="967 1262 1284 1339" style="text-align: center;">Total</td> <td data-bbox="1284 1262 1484 1339">Rs. 50.18 Lakhs</td> </tr> </tbody> </table>	Sr. No.	ESC Activities	Amount	1.	Sports promotion funding	Rs. 2.77 Lakhs	2.	Funding for Social Activities	Rs. 23.13 Lakhs	3.	Medical Aid	Rs. 8.65 Lakhs	4.	Funding for Education	Rs. 1.45 Lakhs	5.	Funding for Cultural Programmes	Rs. 3.10 Lakhs	6.	Provision of Drinking water facility	Rs. 0.00 Lakhs	7.	Drip Irrigation Subsidy	Rs. 11.08 Lakhs		Total	Rs. 50.18 Lakhs
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	GENERAL CONDITIONS																												
14.	<p>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.</p>	Compliance strictly being followed.																											
15.	<p>Condition No. 2 No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. 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</p>	<p>Condition is strictly being followed. No expansion or modifications in the plant will be carried out without prior approval of Ministry of Environment, Forests and Climate Change (MoEFCC).</p>																											

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	protection measures required, if any.							
16.	<p>Condition No.3 The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.</p>	<p>Condition is strictly followed. Monitoring of ambient air quality is done monthly during season. The monitoring reports of same are presented at Annexure – VII.</p>						
17.	<p>Condition No. 4 The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.</p>							
18.	<p>Condition No. 5 The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz 75 dBA (day time) and 70 dBA (night time).</p>	<p>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, 1986, 1989 Rules.</p>						
19.	<p>Condition No. 6 The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.</p>	<p>RWH plan is being implemented on site. Thereunder, roof top water is being harvested and is utilized for domestic purpose and gardening.</p>						
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>	<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.</p>						
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</p>	<p>Compliance strictly followed. Following is the break-up for EMP:</p> <table border="1" data-bbox="886 1772 1487 1881"> <thead> <tr> <th data-bbox="886 1772 1101 1845">Description</th> <th data-bbox="1101 1772 1297 1845">Capital Cost in Rs.</th> <th data-bbox="1297 1772 1487 1845">O & M Cost in Rs.</th> </tr> </thead> <tbody> <tr> <td data-bbox="886 1845 1101 1881">ETP</td> <td data-bbox="1101 1845 1297 1881">Rs.</td> <td data-bbox="1297 1845 1487 1881">Rs.</td> </tr> </tbody> </table>	Description	Capital Cost in Rs.	O & M Cost in Rs.	ETP	Rs.	Rs.
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	management, risk mitigation measures and public hearing relating to the project shall be implemented.		156.33Lakhs	40.45Lakhs
		APC Equipment	Rs. 381.99Lakhs	Rs. 8.48 Lakhs
		Environmental Monitoring	--	Rs. 2.45 Lakh
		Greenbelt	Rs. 6.10 Lakhs	Rs. 10.66Lakhs
		Total	Rs. 544.42 Lakhs	Rs. 62.04Lakhs
22.	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.	Please refer compliance under Specific Condition No. 13 above.		
23.	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.			
24.	Condition No. 11 A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental management and Monitoring function.	A separate Environment Management cell is already established. Refer Annexure – VIII for 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 General Condition No. 9 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.		

Sr. No	Environmental Clearance Conditions	Compliance towards the Conditions Stipulated
27.	<p>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.</p>	<p>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 – IX for Acknowledgment of previous Six Monthly Compliance report.</p>
28.	<p>Condition No.15 The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF & CC by e-mail.</p>	<p>Compliance is being done. Refer Annexure – X for acknowledgment copies.</p>
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 – XI for News Paper advertisement copies.</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

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 ~~विवर~~ ^{दुष्प्रसंगा} प्रकल्पातून ~~विवर~~ ^{दुष्प्रसंगा} नदितुन पिण्यासाठी ०.१२० दलघमी व औद्योगिक कारणासाठी ०.०४८ दलघमी असा एकूण ०.१६८० दलघमी इतका सुधारित पाणी कोटा मंजूर असुन. आपण केलेल्या विनंती अर्जांनुसार आपला दि ०१/०५/२०१८ ते ३०/०४/२०२४ या कालावधीचा करारनामा खालील अटींच्या अधिन राहूनमंजुर करणेत येत आहे.

- १) संदर्भिय पत्र क्र १ मधील सर्व अटी व शर्ती बंधनकारक रहातील.
- २) संदर्भिय पत्र क्र. १ अन्वये केलेली मागणी ही पुर्वी नियोजित असलेमुळे मंजूर परिमाण किंवा त्या कालावधीचा प्रत्यक्ष पाणीवापर यापैकी जादा असणाऱ्या पाणी वापराची आकारणी करण्यात येईल.
- 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 वाणिज्यिक /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. 92004	Date 31/5/16
Sent to C.E., C.C.T.O	Authorised Signature

chE/mfr/ETP

Annexure – III

Photographs of ETP



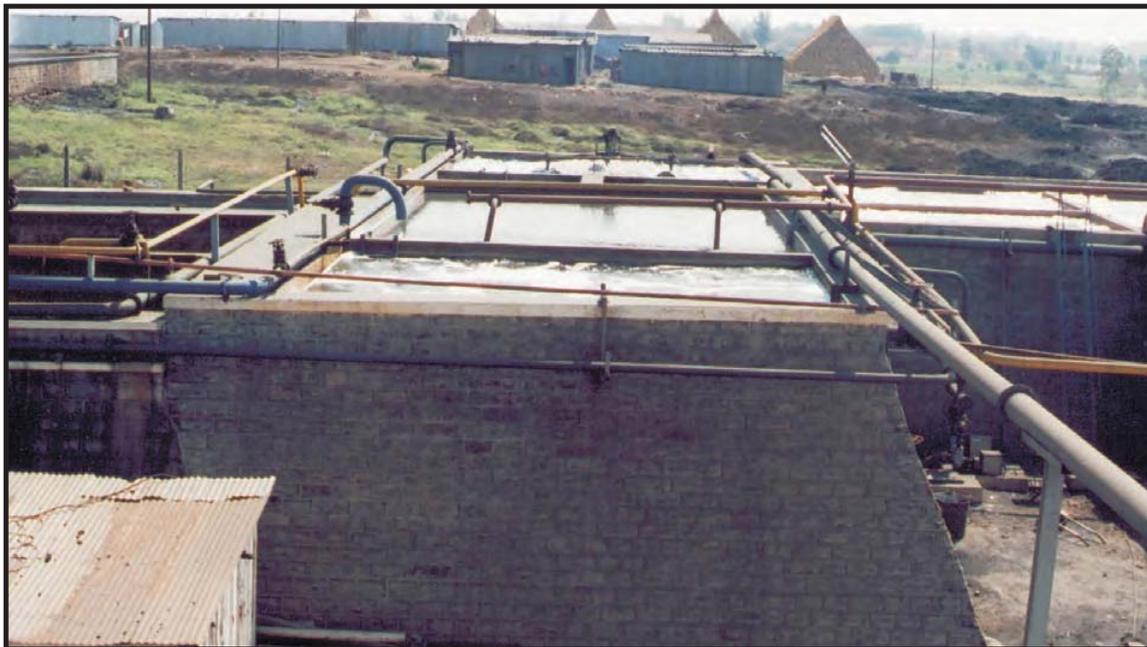
Two stage primary to remove oil & sludge and old equalization tank



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



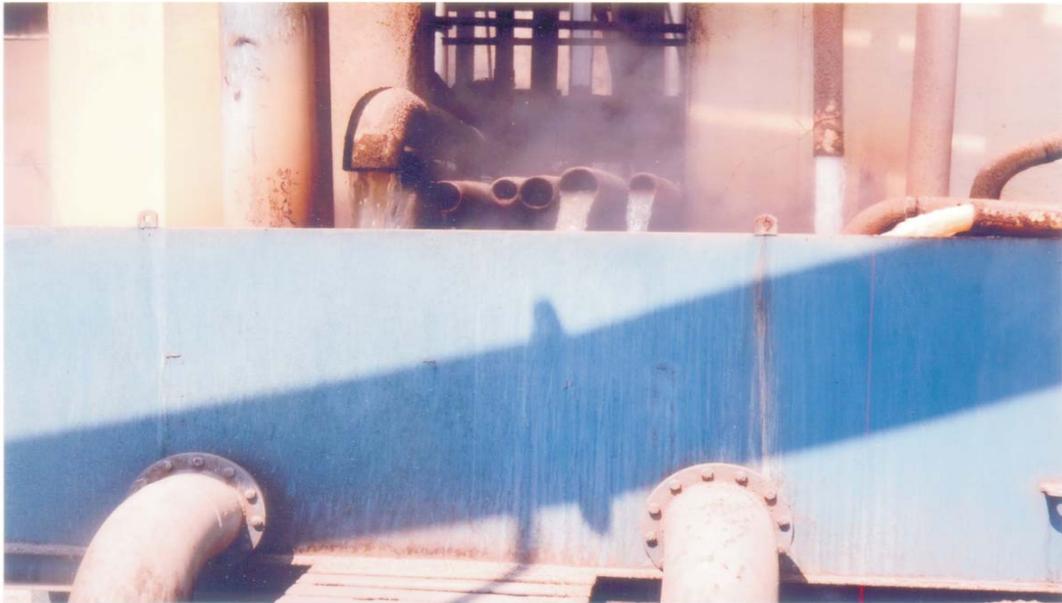
15 Days Storage Tank-1



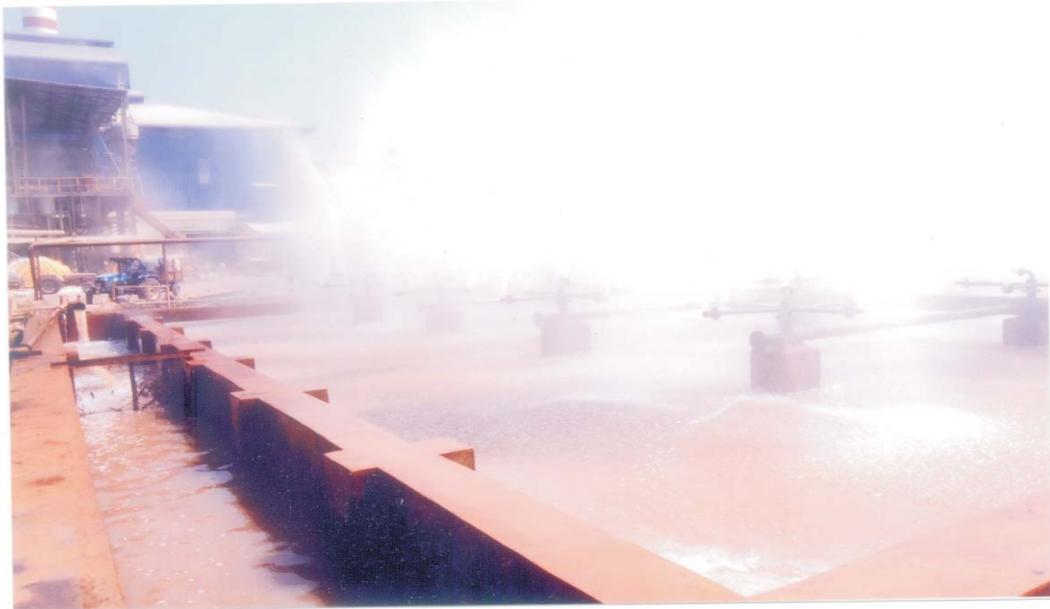
15 Days Storage Tank-2



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

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

LWO/ 4148/2018-19

Date.- 24/07/2018

To,
The Deputy Director,
Industrial Safety & Health,
Zilha Udyog Bhavan,
Near Collector Office,
KOLHAPUR.

Sub. : - Submission of form No. 7.

Dear Sir,

We have conducted medical check-up of our employees and the Certifying Surgeon has issued us form No. 7 as per rules of 'The Maharashtra Factories Rules, 1963.' We herewith enclose the photo copy of the same (48 pages) for your record & perusal.

Thanking you,

Yours faithfully,

For Jawahar S.S.S.K.Ltd.,

(M.G.Joshi)

Managing Director

Encl. : A/a

औद्योगिक सुरक्षा व आरोग्य संचालनालय,
स. नं. २५४, उद्योग भवन, असेंबली रोड,
जिल्हाधिकारी कार्यालयाजवळ, कोल्हापूर.
पिन कोड नं. ४१६ ००३.

Form No 7 (Prescribed under Rule 18 (17))

HEALTH REGISTER

From: 05/07/2018 To 04/07/2019

Certifying Surgeon

DR. ARVIND MANE

MBBS DPH AFH.(Mumbai)

Company Name : JAWAHAR SHETKARI SAHAKARI KARKHANA LTD.

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of 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.
1	2102	MR. DILIP D. PATIL	58	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
2	1734	MR. CHANDRAKANT M. MALI	49	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
3	943	MR. VITHAL G. MORE	52	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
4	1778	MR. PRAVIN M. GHAT	39	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
5	1360	MR. SURESH K. KORE	51	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
6	145	MR. KRUSHNAT INGALE	49	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
7	1346	MR. PARGONDA N. PATIL	46	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
8	729	MR. BHARAT D. KAMBLE	56	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
9	1436	MR. SHARAD A. MUDAGAL	45	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
10	885	MR. ASHOK G. CHAVAN	47	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
11	1024	MR. NARSU MORE	51	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
12	1441	MR. PRAKASH M. CHAVAN	46	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
13	630	MR. ASHOK NARSAI	48	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
14	795	MR. RAFIK BASAPURE	44	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
15	2119	MR. MAHADEV A. KHOT	34	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
16	1852	MR. PRAMOD S. PATIL	39	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
17	1902	MR. SIDU MADHALE	36	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
18	911	MR. KUBER B. PATIL	45	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
19	482	MR. HINDURAO N. PATIL	51	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

कोल्हापूर जिल्हाकरिता

प्राधिकृत प्रमाणक शाल्यचिकित्सक

ACS 15-AM/2016

Form No 7 (Prescribed under Rule 18 (17))

HEALTH REGISTER

From: 05/07/2018 To 04/07/2019

Certifying Surgeon

DR.ARVIND MANE

MBBS DPH AFIH.(Mumbai)

Company Name : JAWAHAR SHETKARI SAHAKARI KARKHANA LTD.

Sr. No.	Emp. No.	Name	Age	Sex	Dept of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer of 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.
20	1928	MR. DATTATRAY P. YARGATTI	40	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
21	1633	MR. RAHUL A. KAMBLE	40	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
22	1567	MR. TANAJI D.JOG	51	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
23	720	MR. BALASAHEB HEGDE	53	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
24	1739	MR. VIJAY A. PATIL	36	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
25	1454	MR. ARUN MALGE	42	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
26	1995	MR. HANMANT M. PATIL	31	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
27	1855	MR. APPASO V.KAMBLE	44	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
28	1621	MR. JALANDAR P. PATIL	48	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
29	1581	MR. S.S.GOTKHINDE	44	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
30	1851	MR. RAJENDRA B. DURAGE	43	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
31	910	MR. RAJENDRA A. GANGAI	48	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
32	1864	MR. SHIVAJI G. MADALE	39	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
33	1259	MR. RAJESH R.BAVCHE	44	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
34	6158	MR. ANIL B.PATIL	60	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
35	338	MR. KRUSHNAT G. PATIL	48	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
36	1049	MR. SUNIL M.PAWAR	48	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
37	1140	MR. BHARMU K. PUJARI	59	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	
38	1376	MR. BASHIR NAYAKWADE	45	M	-	NA	NA			05/07/2018	Fit	NA	Fit	NA	

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

Annexure – VI

Green Belt Details

शेती/गार्डन

दि. ०८-११-२०१९

इनव्हीरॉनमेंट इंजिनिअर
यांचेकडे-

विषय : गार्डन विभागाकडील क्षेत्र निहाय झाडांची माहिती.

महोदय,

आपले दि. ०२-११-२०१९ च्या डी.पी. नुसार गार्डन विभागाकडील झाडांची क्षेत्रवाईज माहिती खालीलप्रमाणे-

अ.न.	गट नं.	झाडांचे क्षेत्र	एकर गुंठे
१	१२५८	खोपी तळ पूर्व बाजू बांबू रोपे	१.२०
२	१२५८	खोपी तळ	२२.३६
३	३१५/८,९	कॉलनीतील झाडे	५.००
४	३१५/११	केनयार्ड पश्चिम बाजू	३.३०
५	३१५/९,१०	ऑफीस मागील आंबा व गुलाब	३.००
६	३१५/१०	स्टेज परिसर	२.११
७	३१५/९, ९२५/९	मेन रोड साईट दोन्ही बाजू	१.१३
८	३१५/१४	राख अड्डा	०.१३
९	३१५/१४	हमाल शेड निलगिरी प्लॉट	४.२६
१०	३१५/१४	हमाल शेड जंगली झाडे	४.१६
११	३१५/११	आतील गेट परिसर	०.०३
१२	३१५/१४	स्विचयार्ड बैलगाडी अड्डा	०.२२
१३	३१५/११	तळ्याभोवतीचे क्षेत्र गोडा.१३ मागे	२.१०
१४	३१५/७	पेट्रोल पंप	०.०५
१५	३१५/८	कंपोस्ट यार्डातील बांबू	२.२५
१६	३१५/७,८,९	बियाणे मळा	१३.३०
१७	९२५/९	फ्लॉवर बेड	०.११
१८	३१५/९	गेस्टहाऊस, बोर्डरूम परिसर	०.१२
१९	९२५/९	करंज,चिक्कू,आंबा परिसर	२.०२
२०	९२५/९	म्हसोबा मंदीर परिसर	६.००
२१	९२५/९,३१५/९	राजराजेश्वरी मंदीर ते बियाणे मळा नारळ, अशोक	१.३१
२२	९२५/९	कॅनॉल बाजू नारळ, अशोक झाडे	१.०८
२३	९२५/९,३१५/९	गेटबाहेरील दोन्ही क्रॉसबेड	०.०८
२४	९२५/९	मंदीर परिसर	१.१०
२५	९२५/९	केनयार्ड ते राजराजेश्वरी मंदीर रोड	०.२२
२६	९२५/९	ट्रॅक्टर अड्ड्यातील झाडे	२.३६
		एकूण-	८५.००

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 २०१९-२०

दि. ०८/११/२०१९

अ.नं.	तपशील	संख्या
अ)	फळझाडे	
१	नारळ	६१३
२	आंबा	३५०
३	चिक्कू	१५६
	एकूण -	१११९
ब)	जंगली झाडे	
१	रेनट्री	२६७५
२	केशिया	१७५२
३	चिंच	७८
४	कदंब	१७
५	जाक्रांडा	३५
६	बेहडा	१०
७	सप्तपर्णी	२७
८	ब्रासिया	१७
९	सागवान	१४
१०	सुरू	२०००
११	निंब व इतर	२७९८
१२	ट्यूबोबिया	२०
१३	कारडिया	३५
१४	गोरमचिंच	५५८
१५	सित्वरओक	३९०
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१७	वड	७०
१८	पिंपळ	१२५
१९	निलमोहर	३
२०	बहावा	१४०
२१	गुलमोहर	४०९
२२	कांचन	१३३
२३	निलगिरी	३४३०
२४	उंबर	१०
२५	फणस	१५
२६	बेल	२०
२७	ऑस्ट्रेलियन बाभळ	३००

अ.नं.	तपशील	संख्या
२८	गूळभेंडी	५०७
२९	करंज	१२३९
३०	जांभूळ	१००
३१	प्लेटोफोरम	२५०
३२	बांबू	२७६३४
३३	काटेसावर	१७०
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क)	शोभीवंत झाडे	
१	बॉटल पाम	९०
२	अशोक	७०३
३	मोरपंखी	१०८
४	फायकस	१६७
५	बोगनवेली	१४४०
६	एक्झोरा	७२
७	चाफा	५३
८	आरेकापाम	४६०५
	एकूण -	७२३८
ड)	फूलझाडे	
१	गुलाब	६५५
२	इतर फुलझाडे	५३००
३	शोभीवंत कुंड्या	५६४
४	कणेरी	१६७०
५	शंकासूर	३४०
	एकूण -	८५२९
	समरी	
अ	फळझाडे	१११९
ब	जंगली झाडे	४५३६८
क	शोभीवंत झाडे	७२३८
ड	फूलझाडे	८५२९
	एकूण -	६२२५४

मुख्य शेतकी 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

- 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: NOVEMBER 29, 2018

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/ 544
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	20.11.2018

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	02:30 P.M.	
03	Ambient Temperature	31.0 °C	
04	Dry Bulb Temperature	30.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	55 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	23.10 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	07.69 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	20.34 µg/cum	80 µg/cum

Note:

- The analysis has been conducted in a MoEFCC: New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.
- Calibration Details**
Instrument Used: Respirable dust sampler
Model & Serial No.: Polltech Make Model Sr. No. - 0118
Calibration Date: 01.08.2018
Next Calibration Due Date: 31.07.2019

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: NOVEMBER 29, 2018

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/545
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	20.11.2018

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	02:50 P.M.	
03	Ambient Temperature	31.0 °C	
04	Dry Bulb Temperature	30.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	55 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	33.25 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	11.67 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	28.74 µg/cum	80 µg/cum

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No.B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.
- Calibration Details**
Instrument Used: Respirable dust sampler
Model & Serial No.: Polltech Make Sr. No. -0218.
Calibration Date: 01.08.2018.
Next Calibration Due Date: 31.07.2019.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS,
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DATE: NOVEMBER 29, 2018

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/546
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	20.11.2018.
Time:	3:00 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	64.4	75
02	Near ETP	72.8	75
03	Bagas Section	70.6	75
04	Godown	72.3	75
05	Ken Yard	76.9	75

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- 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
- **Calibration Details:**
Instrument Used: Digital Sound Level Meter. (N520311)
Make: HTC Instruments
Calibration Date: 10.05.2018.
Next Calibration Due Date: 09.05.2019.

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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DATE: NOVEMBER 29, 2018

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/547
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	20.11.2018.
Time:	03:20 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal	84.3	90
02	Turbine	86.8	90
03	Near Boiler	86.5	90
04	Mill	80.3	90
05	Pan Section	81.6	90

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- The Factories' Act, 1948 has prescribed Noise Level threshold limit for 8 hours' exposure as 90 dB (A).
- **Calibration Details:**
Instrument Used: Digital Sound Level Meter. (N520311)
Make: HTC Instruments
Calibration Date: 10.05.2018
Next Calibration Due Date: 09.05.2019

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: NOVEMBER 29, 2018

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2018.19/548
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:	20.11.2018
Analysis Date:	22.11.2018
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

S.R. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	4.22	7.87	--	--
02	Suspended Solids (SS)	105.00	54.00	100	mg / lit
03	Total Dissolved Solids (TDS)	1402.00	760.00	2100	mg / lit
04	Chemical Oxygen Demand (COD)	5248.00	76.80	250	mg / lit
05	Biochemical Oxygen Demand (BOD)	2160.10	24.60	100	mg / lit
06	Chlorides as Cl ⁻	67.00	32.40	600	mg / lit
07	Sulphates as SO ₄ ²⁻	45.00	16.00	1000	mg / lit
08	Oil & Grease	2.40	NIL	10	mg / lit

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS,
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DATE: NOVEMBER 29, 2018

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/549
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	20.11.2018

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	04:00 P.M.	
03	Ambient Temperature	29.0 °C	
04	Dry Bulb Temperature	29.0 °C	
05	Wet Bulb Temperature	23.0 °C	
06	Relative Humidity	61 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	58.62 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	20.85 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	30.14 µg/cum	80 µg/cum

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- 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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DATE: NOVEMBER 29, 2018

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/550
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	20.11.2018
Time :	04:30 P.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 1
02	Material of Stack	RCC
03	Stack Height from Ground Level	75 M
04	Type of Stack	Round
05	Flue Gas Temperature	110 °C (383 K)
06	Differential Pressure	2.80 mm Wg
07	Velocity	6.22 m/sec
08	Stack Diameter	4.73 m
09	Stack Area	17.5627 m ²
10	Gas Volume	306395.99 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	79.02 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	48.52 mg/Nm ³
		356.79 Kg /Day

Note:

- The analysis has been conducted in a MoEF; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- Maharashtra Pollution Control Board (MPCB) Limits - SPM: 150 mg / Ncum
- Maharashtra Pollution Control Board (MPCB) Limits - SO₂: As per Consent.
- **Calibration Details:**
Instrument Used: Stack Monitoring Kit.
Model & Serial No.: Ecotech Model, Sr.No. 14-B-85
Calibration Date: 27.02.2018
Next Calibration Due Date: 26.02.2019

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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DATE: NOVEMBER 29, 2018

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/550A
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	20.11.2018
Time :	05:15 P.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 2
02	Material of Stack	RCC
03	Stack Height from Ground Level	72 M
04	Type of Stack	Round
05	Flue Gas Temperature	138 °C (411 K)
06	Differential Pressure	2.70 mm Wg
07	Velocity	6.33 m/sec
08	Stack Diameter	3.0 m
09	Stack Area	7.0650 m ²
10	Gas Volume	116838.14 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	72.80 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	34.20 mg/Nm ³
		95.90 Kg /Day

Note:

- The analysis has been conducted in a MoEF; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- Maharashtra Pollution Control Board (MPCB) Limits - SPM: 150 mg / Ncum
- Maharashtra Pollution Control Board (MPCB) Limits - SO₂: As per Consent.
- **Calibration Details:**
Instrument Used: Stack Monitoring Kit.
Model & Serial No.: Ecotech Model, Sr.No. 14-B-85
Calibration Date: 27.02.2018
Next Calibration Due Date: 26.02.2019


Dr. Sandip Mangalekar
(Dy. Head Monitoring)

■ ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS,
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DATE: DECEMBER 28, 2018

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/690
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.12.2018

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	03:45 P.M.	
03	Ambient Temperature	30.0 °C	
04	Dry Bulb Temperature	29.0 °C	
05	Wet Bulb Temperature	22.0 °C	
06	Relative Humidity	53 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	32.15 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	08.58 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	26.34 µg/cum	80 µg/cum

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.
- Calibration Details
Instrument Used: Respirable Dust Sampler
Model & Serial No.: Polltech Make Model Sr. No. - 0118
Calibration Date: 01.08.2018
Next Calibration Due Date: 31.07.2019

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

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DATE: DECEMBER 28, 2018

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/691
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.12.2018

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	03:55 P.M.	
03	Ambient Temperature	30.0 °C	
04	Dry Bulb Temperature	29.0 °C	
05	Wet Bulb Temperature	22.0 °C	
06	Relative Humidity	53 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	25.46 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	17.81 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	34.02 µg/cum	80 µg/cum

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No.B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.
- Calibration Details
Instrument Used: Respirable Dust Sampler
Model & Serial No.: Polltech Make Sr. No. -0218.
Calibration Date: 01.08.2018.
Next Calibration Due Date: 31.07.2019.

Dr. Sandip Mangalekar
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DATE: DECEMBER 28, 2018

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/692
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.12.2018

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	05:05 P.M.	
03	Ambient Temperature	27.0 °C	
04	Dry Bulb Temperature	27.0 °C	
05	Wet Bulb Temperature	22.0 °C	
06	Relative Humidity	65 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	61.34 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	21.87 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	32.01 µg/cum	80 µg/cum

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No.B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.
- Calibration Details
Instrument Used: Respirable Dust Sampler
Model & Serial No.: Polltech Make Sr. No. -0218.
Calibration Date: 01.08.2018.
Next Calibration Due Date: 31.07.2019.

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DATE: DECEMBER 28, 2018

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/693
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.12.2018
Time :	04:10 P.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 1
02	Material of Stack	RCC
03	Stack Height from Ground Level	75 M
04	Type of Stack	Round
05	Flue Gas Temperature	105 °C (378 K)
06	Differential Pressure	2.60 mm Wg
07	Velocity	6.27 m/sec
08	Stack Diameter	4.73 m
09	Stack Area	17.5627 m ²
10	Gas Volume	312522.63 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	89.67 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	50.28 mg/Nm ³ 377.13 Kg /Day

Note:

- The analysis has been conducted in a MoEF; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- Maharashtra Pollution Control Board (MPCB) Limits - SPM: 150 mg / Ncum
- Maharashtra Pollution Control Board (MPCB) Limits - SO₂: As per Consent.
- Calibration Details:**
Instrument Used: Stack Monitoring Kit.
Model & Serial No.: Ecotech Model, Sr.No. 14-B-85
Calibration Date: 27.02.2018
Next Calibration Due Date: 26.02.2019

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DATE: DECEMBER 28, 2018

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/694
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.12.2018
Time :	04:45 P.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 2
02	Material of Stack	RCC
03	Stack Height from Ground Level	72 M
04	Type of Stack	Round
05	Flue Gas Temperature	141 °C (363 K)
06	Differential Pressure	2.30 mm Wg
07	Velocity	5.78 m/sec
08	Stack Diameter	3.0 m
09	Stack Area	7.0650 m ²
10	Gas Volume	120662.28 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	76.54 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	36.45 mg/Nm ³
		105.56 Kg /Day

Note:

- The analysis has been conducted in a MoEF; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- Maharashtra Pollution Control Board (MPCB) Limits - SPM: 150 mg / Ncum
- Maharashtra Pollution Control Board (MPCB) Limits - SO₂: As per Consent.
- **Calibration Details:**
Instrument Used: Stack Monitoring Kit.
Model & Serial No.: Ecotech Model, Sr.No. 14-B-85
Calibration Date: 27.02.2018
Next Calibration Due Date: 26.02.2019

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DATE: DECEMBER 28, 2018

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/695
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	17.12.2018.
Time:	5:00 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	60.3	75
02	Near ETP	63.7	75
03	Near Bagas Section	65.8	75
04	Near Sugar Godown	67.9	75
05	Near Cane Yard	68.1	75

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- 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
- **Calibration Details:**
Instrument Used: Digital Sound Level Meter. (N520311)
Make: HTC Instruments
Calibration Date: 10.05.2018.
Next Calibration Due Date: 09.05.2019.

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DATE: DECEMBER 28, 2018

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/696
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	17.12.2018.
Time:	05:20 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal Section	83.4	90
02	Turbine Section	80.9	90
03	Near Boiler Section	81.2	90
04	Mill Section	79.3	90
05	Pan Section	84.8	90

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.
- The Factories' Act, 1948 has prescribed Noise Level threshold limit for 8 hours' exposure as 90 dB (A).
- **Calibration Details:**
Instrument Used: Digital Sound Level Meter. (N520311)
Make: HTC Instruments
Calibration Date: 10.05.2018
Next Calibration Due Date: 09.05.2019

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DATE: DECEMBER 28, 2018

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2018.19/697
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:	17.12.2018.
Analysis Date:	21.12.2018.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

SER. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	2.77	7.72	--	--
02	Suspended Solids (SS)	125.00	30.00	100	mg / lit
03	Total Dissolved Solids (TDS)	1848.00	1077.00	2100	mg / lit
04	Chemical Oxygen Demand (COD)	5376.00	32.40	250	mg / lit
05	Biochemical Oxygen Demand (BOD)	2067.70	12.50	100	mg / lit
06	Chlorides as Cl ⁻	215.25	107.80	600	mg / lit
07	Sulphates as SO ₄ ²⁻	63.10	40.45	1000	mg / lit
08	Oil & Grease	5.00	NIL	10	mg / lit

Note:

- The analysis has been conducted in a MoEFCC; New Delhi approved and NABL accredited laboratory-M/s. Horizon Services, Pune- that has also received OHSAS 18001-2007 accreditations by DNV.

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DATE: JANUARY 25, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/826
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.01.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	11:15 A.M.	
03	Ambient Temperature	27.0 °C	
04	Dry Bulb Temperature	27.0 °C	
05	Wet Bulb Temperature	22.0 °C	
06	Relative Humidity	65 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	65.18 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	21.74 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	30.51 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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DATE: JANUARY 25, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/827
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.01.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	11:30 A.M.	
03	Ambient Temperature	27.0 °C	
04	Dry Bulb Temperature	27.0 °C	
05	Wet Bulb Temperature	22.0 °C	
06	Relative Humidity	65 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	59.43 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	24.15 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	37.82 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.

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DATE: JANUARY 25, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/828
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.01.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	11:40 A.M.	
03	Ambient Temperature	27.0 °C	
04	Dry Bulb Temperature	27.0 °C	
05	Wet Bulb Temperature	22.0 °C	
06	Relative Humidity	65 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	63.87 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	23.15 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	34.49 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.

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DATE: JANUARY 25, 2019

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/829
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.01.2019
Time :	12:10 P.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 1
02	Material of Stack	RCC
03	Stack Height from Ground Level	75 M
04	Type of Stack	Round
05	Flue Gas Temperature	165 °C (438 K)
06	Differential Pressure	2.70 mm Wg
07	Velocity	6.53 m/sec
08	Stack Diameter	4.73 m
09	Stack Area	17.5627 m ²
10	Gas Volume	281350.88 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	68.95 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	60.12 mg/Nm ³
		405.96 Kg /Day

Note:

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

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

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DATE: JANUARY 25, 2019

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/830
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	17.01.2019
Time :	12:55 P.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 2
02	Material of Stack	RCC
03	Stack Height from Ground Level	72 M
04	Type of Stack	Round
05	Flue Gas Temperature	161 °C (434 K)
06	Differential Pressure	2.50 mm Wg
07	Velocity	6.25 m/sec
08	Stack Diameter	3.0 m
09	Stack Area	7.0650 m ²
10	Gas Volume	109407.93 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	58.12 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	43.69 mg/Nm ³
		114.72 Kg /Day

Note:

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

Dr. Sandip Mangalekar
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■ ENVIRONMENTAL; CIVIL & CHEMICAL ENGINEERS,
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DATE: JANUARY 25, 2019

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/831
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	17.01.2019.
Time:	2:00 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	61.4	75
02	Near ETP	65.2	75
03	Near Bagas Section	66.7	75
04	Near Sugar Godown	68.3	75
05	Near Cane Yard	69.6	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

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DATE: JANUARY 25, 2019

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/832
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	17.01.2019.
Time:	02:20 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal Section	85.2	90
02	Turbine Section	84.3	90
03	Boiler Section	81.7	90
04	Mill Section	83.1	90
05	Pan Section	84.5	90

Note:

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

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DATE: JANUARY 25, 2019

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2018.19/833
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:	17.01.2019.
Analysis Date:	18.01.2019.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

S.R. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	2.65	7.53	6.5-8.5	--
02	Suspended Solids (SS)	118.92	22.17	100	mg/lit
03	Total Dissolved Solids (TDS)	2449.71	1249.32	2100	mg/lit
04	Chemical Oxygen Demand (COD)	2394.54	65.95	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	984.21	22.69	100	mg/lit
06	Chlorides as Cl ⁻	596.81	268.72	600	mg/lit
07	Sulphates as SO ₄ ²⁻	624.78	425.98	1000	mg/lit
08	Oil & Grease	6.98	1.56	10	mg/lit

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DATE: FEBRUARY 18, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/943
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	12.02.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	11:45 A.M.	
03	Ambient Temperature	32.0 °C	
04	Dry Bulb Temperature	32.0 °C	
05	Wet Bulb Temperature	25.0 °C	
06	Relative Humidity	25 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	66.03 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	24.71 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	32.84 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.

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DATE: FEBRUARY 18, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/944
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	12.02.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	11:55 A.M.	
03	Ambient Temperature	32.0 °C	
04	Dry Bulb Temperature	32.0 °C	
05	Wet Bulb Temperature	25.0 °C	
06	Relative Humidity	25 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	63.02 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	26.34 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	35.88 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.

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DATE: FEBRUARY 18, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/945
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	12.02.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	12:05 P.M.	
03	Ambient Temperature	32.0 °C	
04	Dry Bulb Temperature	32.0 °C	
05	Wet Bulb Temperature	25.0 °C	
06	Relative Humidity	25 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	69.05 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	26.21 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	36.74 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.

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DATE: FEBRUARY 18, 2019

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/946
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	12.02.2019
Time :	12:20 P.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 1
02	Material of Stack	RCC
03	Stack Height from Ground Level	75 M
04	Type of Stack	Round
05	Flue Gas Temperature	161 °C (434 K)
06	Differential Pressure	2.80 mm Wg
07	Velocity	6.62 m/sec
08	Stack Diameter	4.73 m
09	Stack Area	17.5627 m ²
10	Gas Volume	287831.02 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	66.47 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	64.11 mg/Nm ³
		442.87 Kg /Day

Note:

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

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DATE: FEBRUARY 18, 2019

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/947
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	12.02.2019
Time :	01:15 P.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 2
02	Material of Stack	RCC
03	Stack Height from Ground Level	72 M
04	Type of Stack	Round
05	Flue Gas Temperature	166 °C (439 K)
06	Differential Pressure	2.90 mm Wg
07	Velocity	6.78 m/sec
08	Stack Diameter	3.00 m
09	Stack Area	7.0650 m ²
10	Gas Volume	117162.98 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	62.98 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	49.04 mg/Nm ³
		137.90 Kg /Day

Note:

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

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

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DATE: FEBRUARY 18, 2019

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/948
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	12.02.2019.
Time:	2:05 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	60.7	75
02	Near ETP	69.1	75
03	Near Bagas Section	66.4	75
04	Near Sugar Godown	67.3	75
05	Near Cane Yard	69.7	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

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DATE: FEBRUARY 18, 2019

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/949
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	12.02.2019.
Time:	02:40 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal Section	84.4	90
02	Turbine Section	82.7	90
03	Boiler Section	84.1	90
04	Mill Section	83.2	90
05	Pan Section	85.5	90

Note:

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

Dr. Sandip Mangalekar
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DATE: FEBRUARY 18, 2019

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2018.19/950
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:	12.02.2019.
Analysis Date:	13.02.2019.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

S.R. NO.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	4.80	7.61	6.5-8.5	--
02	Suspended Solids (SS)	400.76	17.03	100	mg/lit
03	Total Dissolved Solids (TDS)	1957.14	580.72	2100	mg/lit
04	Chemical Oxygen Demand (COD)	5620.29	73.69	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	2038.41	26.81	100	mg/lit
06	Chlorides as Cl ⁻	598.49	167.73	600	mg/lit
07	Sulphates as SO ₄ ²⁻	770.26	235.87	1000	mg/lit
08	Oil & Grease	7.05	Nil	10	mg/lit

Dr. Sandip Mangalekar
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DATE: MARCH 15, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/1033
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	08.03.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	09:25 A.M.	
03	Ambient Temperature	26.0 °C	
04	Dry Bulb Temperature	26.0 °C	
05	Wet Bulb Temperature	20.0 °C	
06	Relative Humidity	58 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	65.86 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	22.05 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	29.41 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: MARCH 15, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/1034
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	08.03.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near ETP	
02	Time of Sampling	09:35 A.M.	
03	Ambient Temperature	26.0 °C	
04	Dry Bulb Temperature	26.0 °C	
05	Wet Bulb Temperature	20.0 °C	
06	Relative Humidity	58 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	61.76 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	24.91 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	33.08 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)

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DATE: MARCH 15, 2019

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/1035
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	08.03.2019

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Bagass Yard	
02	Time of Sampling	10:00 A.M.	
03	Ambient Temperature	27.0 °C	
04	Dry Bulb Temperature	27.0 °C	
05	Wet Bulb Temperature	21.0 °C	
06	Relative Humidity	59 %	
07	Sampling Duration	60 Min.	
08	Particulate Matter (PM ₁₀)	67.33 µg/cum	100 µg/cum
09	Sulphur Dioxide (SO ₂)	25.81 µg/cum	80 µg/cum
10	Oxides of Nitrogen (NO _x)	32.74 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.

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(Dy. Head Monitoring)

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DATE: MARCH 15, 2019

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/1036
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	08.03.2019
Time :	10:30 A.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 1
02	Material of Stack	RCC
03	Stack Height from Ground Level	75 M
04	Type of Stack	Round
05	Flue Gas Temperature	165 °C (438 K)
06	Differential Pressure	3.00 mm Wg
07	Velocity	6.88 m/sec
08	Stack Diameter	4.73 m
09	Stack Area	17.5627 m ²
10	Gas Volume	296569.87 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	65.27 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	59.04 mg/Nm ³
		420.23 Kg /Day

Note:

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

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

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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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DATE: MARCH 15, 2019

SOURCE EMISSION MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/1037
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site:	A/p.: Hupari, Dist.: Kolhapur.
Plant Condition :	In Operation.
Date of Sampling:	08.03.2019
Time :	11:45 A.M.

RESULTS

SR. NO.	TEST DESCRIPTION	READING
01	Location	Boiler Stack 2
02	Material of Stack	RCC
03	Stack Height from Ground Level	72 M
04	Type of Stack	Round
05	Flue Gas Temperature	170 °C (443 K)
06	Differential Pressure	3.10 mm Wg
07	Velocity	7.04 m/sec
08	Stack Diameter	3.00 m
09	Stack Area	7.0650 m ²
10	Gas Volume	120587.60 Nm ³ /Hr

FLUE GAS QUALITY

SR.NO.	PARAMETER	VALUE
01	Suspended Particulate Matter (SPM)	59.24 mg/Nm ³
02	Sulphur Dioxide (SO ₂)	45.11 mg/Nm ³
		130.55 Kg /Day

Note:

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

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

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CONSULTANTS AND ANALYSTS

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DATE: MARCH 15, 2019

AMBIENT NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/1038
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	08.03.2019.
Time:	12:55 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A)
01	Near Main Gate	62.1	75
02	Near ETP	68.7	75
03	Near Bagas Section	69.3	75
04	Near Sugar Godown	66.5	75
05	Near Cane Yard	71.4	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)

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DATE: MARCH 15, 2019

WORKZONE NOISE LEVEL MONITORING RESULTS

Report No.:	EEIPL/REP/2018.19/1039
Client :	M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.,
Site :	A/p.: Hupari, Dist.: Kolhapur.
Date of Sampling:	08.03.2019.
Time:	02:40 P.M.

RESULTS

SR. NO.	LOCATION	READINGS dB(A)	LIMIT dB(A) (Refer Note Below)
01	Centrifugal Section	86.2	90
02	Turbine Section	84.6	90
03	Boiler Section	83.8	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)

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DATE: MARCH 15, 2019

EFFLUENT SAMPLE ANALYSIS REPORT

Report No.:	EEIPL/REP/2018.19/1040
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:	08.03.2019.
Analysis Date:	09.03.2019.
Sample Name:	Industrial Effluent – Untreated & Treated

RESULTS

Sr. No.	TEST DESCRIPTION	UNTREATED	TREATED	MPCB LIMIT	UNIT
01	pH	4.66	7.58	6.5-8.5	--
02	Suspended Solids (SS)	310.21	16.74	100	mg/lit
03	Total Dissolved Solids (TDS)	1856.55	561.39	2100	mg/lit
04	Chemical Oxygen Demand (COD)	4871.96	70.11	250	mg/lit
05	Biochemical Oxygen Demand (BOD)	1896.76	25.06	100	mg/lit
06	Chlorides as Cl ⁻	517.67	158.94	600	mg/lit
07	Sulphates as SO ₄ ²⁻	751.42	216.73	1000	mg/lit
08	Oil & Grease	6.17	Nil	10	mg/lit

Dr. Sandip Mangalekar
(Dy. Head Monitoring)

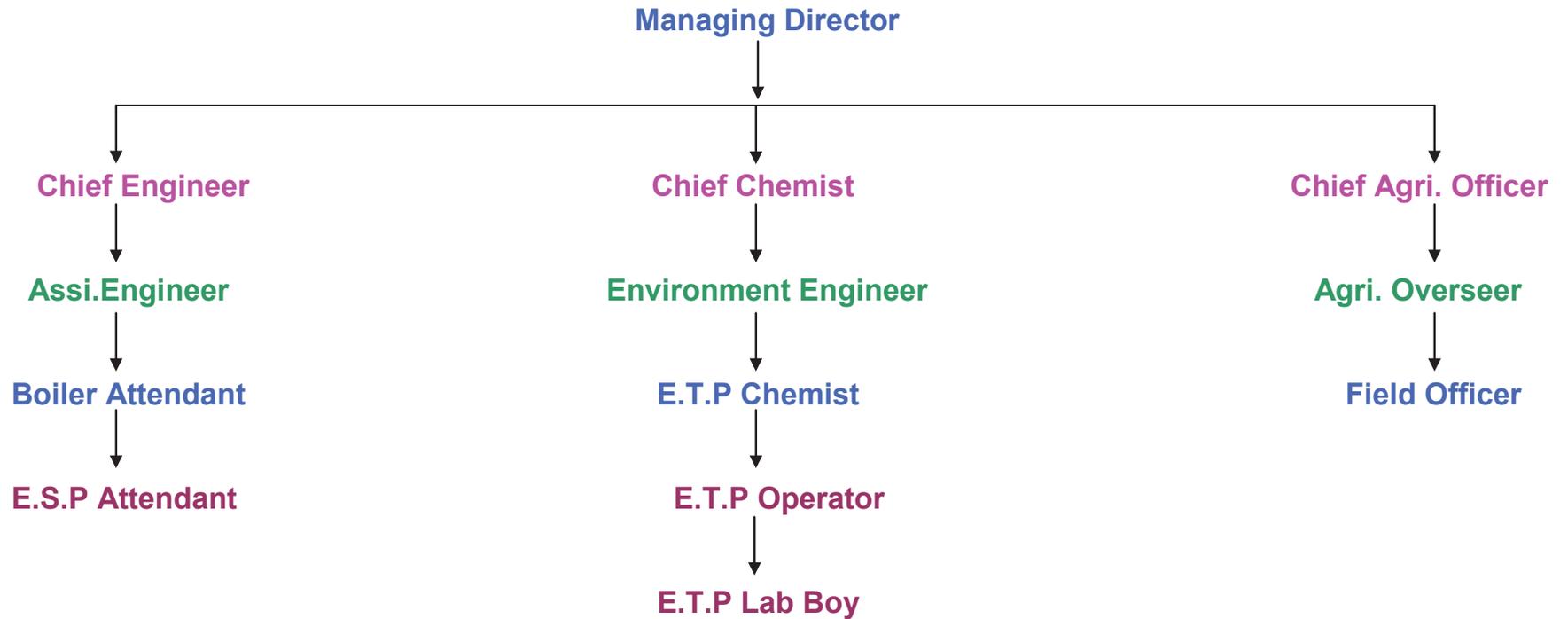
Annexure – VIII

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 – IX

Acknowledgement of Compliance



Jawahar Sugar <kprjsssk@gmail.com>

six monthly compliance report.

1 message

Jawahar Sugar <kprjsssk@gmail.com>

Wed, May 29, 2019 at 12:09 PM

To: westzonepcb@yahoo.com, mpcbmbombai@mpcb.gov.in, rokolhapur <rokolhapur@mpcb.gov.in>, apccfcentral-ngp-mef@gov.in

--

Dear sir

Please Find Attachment

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

 **JSSSKL Six Monthly Final.pdf**
13960K

Annexure – X

**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 2019

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000017017

Submitted Date

24-07-2019

Company Information**Company Name**

Jawahar Shetkari Sahakari Sakhar Karkhana Ltd., Hupari

Application UAN number

0000074209

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)

31070.79

Scale

L.S

City

Hupari

Pincode

416203

Person Name

Manohar Gopal Joshi

Designation

Managing Director

Telephone Number

(0230)2450402 to 5 lines

Fax Number

(0230)2450401

Email

kprjsssk@gmail.com

Region

SRO-Kolhapur

Industry Category

Red

Industry Type

R12 Sugar (excluding Khandsari)

Last Environmental statement submitted online

yes

Consent Number

Format No.1.0/BO/CAC-CELL/UAN No.0000048678/R/CAC-1906000937

Consent Issue Date

19/06/2019

Consent Valid Upto

31/07/2019

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Sugar	253310	229638	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Molassess	70080	76462.680	MT/A
Press Mud	70080	51573.960	MT/A
Bagasse	513433	497098.860	MT/A
Electricity Generation	28.5	22.68	Mwh

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	90	54

Cooling	41	33
Domestic	328	319
All others	00	00
Total	459	406

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Industrial	1200	644	CMD
Domestic	125	50	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	0.027	0.038	Ltr/A
Molassess	0.089	1.14	Ltr/A
Bagasse	0.12	0.18	Ltr/A
Pressmud	1.30	1.68	Ltr/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
Sugar cane	7.873	7.678	Ton/Ton
Bagasse used as Fuel	1.307	1.159	Ton/Ton
Lime	0.0104	0.009	Ton/Ton
Ortho-phosporic Acid	0.0000135	0.000027	Ton/Ton
Sulphur	0.0022	0.0026	Ton/Ton
Caustic Soda	0.000029	0.000029	Ton/Ton
Oil	0.00022	0.00021	Ton/Ton
Grease	0.000063	0.000058	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	513433	266181.058	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 Concentration	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
COD	0.0000768	76.80	30.72	250	00
BOD	0.0000246	24.60	24.60	100	00
TSS	0.000054	54.0	54.00	100	00

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/NM3)	Percentage of variation from prescribed standards with reasons
--------------------------	---	--	---

	Quantity	Concentration	%variation	Standard	Reason
TPM- Stack -1	581.04	79.02	52.68	150	00
TPM- Stack-2	204.13	72.80	48.53	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	1.834	1.681	MT/A
35.3 Chemical sludge from waste water treatment	0	307.63	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	00	307.63	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	4054.70	3944.00	MT/A
Kenkhar Lime	146	100	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	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	1.996	1.168	MT/A
35.3 Chemical sludge from waste water treatment	0	307.63	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	1.168	MT/A	1.168
35.3 Chemical sludge from waste water treatment	307.63	MT/A	307.63

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	3944.00	MT/A	3944.00
NA	0	MT/A	340.00

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)
Tree Plantation	Existing tree plantation done at factory site 62000 no. of trees. In that 61954 no. of trees are survival . We have done additional 5067 no.of tree plantation on factory site in this year. Total	21.12
Effluent Treatment Plant	Additional 15 days storage tank	40.00

[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 62000 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 – XI

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 कल्लाप्पाणा 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.J- 11011/38/2016 - IA-II(I), दिनांक २० डिसेंबर २०१६ अन्वये एन्व्हीरॉनमेंटल क्लिअरन्स मिळालेला आहे. सदरचा 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

सदर 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: kprjsssk@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.

SHARAD S. DADWAN

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