

DR. PATANGRAO KADAM SONHIRA SAHAKARI SAKHAR KARKHANA LTD;



MOHANRAO KADAMNAGAR, WANGI. (MAHARASHTRA)

TAL. KADEGAON, DIST. SANGLI

डॉ. पतंगराव कदम सोनहिरा सहकारी साखर कारखाना लि ;

☎ : (02347) 295606, 295607, 295608

मोहनराव कदमनगर, वांगी ता. कडेगांव, जि. सांगली मोबा. : ८८०६८७५३६०

Mob. : 8806875360 Fax : (02347) 295609

फोन नं. : (०२३४७) २९५६०६, २९५६०७, २९५६०८ फॅक्स (०२३४७) २९५६०९

Email : sonhirasakhar@yahoo.co.in

* संस्थापक : **स्व. आ. डॉ. पतंगराव कदम** MA,LLB,Ph.D.

* चेअरमन : **मा. आ. मोहनराव कदम**

पा. क्र. **DPKSSSK/ ENV / 29/ 0 0 1 9 4 5 / 2021-22.**

दिनांक : **29 JAN 2022**

To.

Scientist D,
Ministry of Environment & forest Climate change cc
Regional office.(WCZ). East wing, New secretariat building
Civil lines. NAGPUR. 440001

Sub :-Submission of Six Monthly Compliance report For Sugar Factory 7000 TCD, Co-gen 22 MW and Distillery 60 KLPD. at Tal- Kadegaon , Dist – Sangli, Maharashtra by Dr.Patangrao kadam Sonhira S.S.K Ltd. (For period JUN 2021 to DEC 2021)

Ref :- Environment Clearance MOEF EC NO-J -11011/101/2015-IA.II(I). DATE :-11 APRIL 2017.

Dear sir,

With reference to above cited subject , Ministry of Environment, Forest & Climate Change .New Delhi. Issued Environmental Clearance For our Expansion of Sugar Factory 2500 TCD to 7000 TCD, Co-gen 22 MW to 34 MW, and Distillery 30 KLPD to 60 KLPD. NO-J - 1011/101/2015-IA.II(I). DATE :-11 April 2017.In this respect please find enclosed here with point wise Compliance Status of various stipulations with supporting documents. Also enclosed the reports of Monitoring of Environmental parameters like Ambient air, Stack Emissions, Effluent, Noise etc. that are conducted on regular basis for existing plants as per statutory norms.

Thanking You.

Copy to ; -
The Regional Officer,
Ministry of Environment & forest Climate change
Regional office.(WFC). Ground floor, east wing,
civil line. Nagpur.

Yours Faithfully,

(S.F.Kadam.)

Managing Director

**DR.PATANGRAO KADAM SONHIRA SAHAKARI SAKHAR KARKHANA
LTD.MOHANRAO KADAM NAGAR, WANGI.
TAL – KADEGAON. DIST – SANGLI. 415305.**

SIX MONTHLY COMPLIANCE REPORT.

JULY 2021 TO DECEMBER 2021.

**(We have already submitted the SIX MONTHLY COMPLIANCE REPORT for period JAN 2021
TO JAN 2021.**

PROJECT DETAILS.

1. Proposal No. : IA/MH/IND2/59239/2015
2. File No. : J-11011/101/2015-IA II (I)
3. Category of the Proposal : Industrial Projects-2
4. Name of the proposal : SonhiraSahakariSakharKarkhana Ltd
5. Date of submission : 03 Nov 2016
6. Name of the Project proponent along with contact details
 - a) Name of the proponent : SHARAD FATTESING KADAM
 - b) State : Maharashtra
 - c) District : Sangli
 - d) Pincode : 415305

COMPLIANCES OF CONDITIONS IMPOSED STIPULATED IN ENVIRONMENTAL CLEARANCE FOR PROJECT. SUGAR 2500 to 7000 TCD, CO -GEN-22 to 34 MW, DISTILLERY-30 to 60 KLPD)

A) SPECIFIC CONDITIONS

1. ESP with adequate stack height for dispersion and for proposed boiler. At no time, the emission level shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by unit, the respective unit shall not be started until the measures are rectified to achieve the desired efficiency.
 - ❖ **ESP is attached as air pollution control device along with 72 m height stack. Stack monitoring report shows pm below 50 mg/Nm³. In consent they have limit of 150 mg/Nm³.**



TEST CERTIFICATE

Report No: GESEC/PRO/2020-21/02/852	Date of Report	13/02/2021
Client Name and Address: Dr. Patangrao Kadam Sonhira Sahakar Sakhar Kharkhana Ltd, Mohanrao Kadamnagar, Wangl, Tal- Kadegaon, Sangli	Date of Sampling	07/02/2021
	Start Date of Analysis	08/02/2021
	End Date of Analysis	13/02/2021
	Sample Location	Boiler
	Sample Details	Co Gen Stack
	Time of Sampling	2.00 PM
Sample Collected By	GMC Engineers and Environmental Service, Kolhapur	

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	M.S.	--	
2.	Stack Height from G.L.	70	Mtr.	
3.	Type of Stack	Round	--	
4.	Sampling Duration	30	Min.	
5.	Flue Gas Temperature	125	°K	
6.	Differential Pressure	8.9	mmWG	
7.	Velocity	6.2	M/s	
8.	Dimensions of Stack	5.5	Mtr.	
9.	Stack Area	12.56	M ²	
10.	Gas Volume	25432	NM ³ /Hr	
11.	Particulate Matter	42.90	mg/NM ³	≤ 150
12.	Sulphur Dioxide (SO ₂)	17.54	Kg/day	≤ 20
13.	Oxide of Nitrogen (NO _x)	14.23	mg/NM ³	N.S.

Remark(s):

- All above results are well within MPCB Limit.
- N.S.: - Not Specified

ANALYZED BY-

Akolkar



AUTHORIZED SIGNATORY-

Honde


Terms and conditions

1. The report is valid only for the sample tested and not applicable to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory (GSEEC).
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India, from date: 06/02/2017 to 06/02/2022.

2. Fresh water requirement shall not exceed 2275 m3/day from chinchni dam & prior permission should be obtained from concerned authority.

❖ Agreed and Permission letter from concerned authority is attached.

प्रादेशिक नदी नाला विभाग
जलसंधारण विभाग
आयोजना, टिचू वरगा, टिचू नदी प्रकल्प, अहमदाबाद
अ-१०१, अहमदाबाद
दूरध्वनि क्र. ०२१६० २२०१०० (दि. २२/११/२०१६)
ई-मेल : water@water.nic.in / water@water.nic.in
- डिजिटिज्ड कॉन्सल्ट सेंटर संप - २०१७ -


संघर्ष नदी

WATER RESOURCE DEPARTMENT
EXECUTIVE ENGINEER, TICHU LEFT WRI
PROJECT MANAGEMENT DIV. DDAEWAD
PUNJAGAD (22) PAR NO. 22W-21615
E-MAIL : water@water.nic.in / water@water.nic.in
- 2017 - YEAR OF DIGITIZED AND
TIME-BOUND SERVICES -

जा.क्र.टे.दरि.सं.नि.सि.सा-७०१५/२०१६

दिनांक २१/०४

प्रति,

मा. कार्यकारी संचालक,
सोबहिदा सहकारी साखर का.लि.वांगी
ता. कलेगांव, जि. रांगली,

विषय : करारनामा पंजुर करणे बाबत.

संदर्भ :- १) उपविभाग कार्या.जा.क्र. टे.दरि.सं.दंडि.व/३४/दि. १२/११/२०१६.
२) आपले पत्र जा.क्र.सोसक/इशि/२२/१९/८५/दि. २४/१२/२०१६.


संदर्भित पत्राने आपणाला सोबहिदा सहकारी साखर कारखाना लि.वांगी यांना सहविद्य निर्मिती करिता विनयसिध्द पाणी आपरासाठी फिव्वासाठी खर्चिक ०.००० द.ल.घ.मी. औद्योगिक कारखानासाठी ०.३८० द.ल.घ.मी. अशी एकूण ०.३८० द.ल.घ.मी इतकी मंजूरी देण्यात आलेली आहे. त्यानुसार आपणाकडून प्राप्त झालेला विलम्ब करारनामा दि. १ नोव्हेंबर २०१६ ते ३१ ऑक्टोबर २०२२ या एक वर्षाचे कालावधीसाठी या सोळा मंजूर करून पाठविणेत येत आहे.

तेव्हा करारनाम्यामधील अटींचे आपण कठोरतः पालन करणारे असून सर्व अटी आपणावर बंधनकारक आहेत अची नोंद घ्यावी.

हे आपले गळित्ठी सद्ये व पुढील कालावधीसाठी रवाना.

सोबत:- करारनाम्याची १ प्रत

स्वच्छ प्रा. व.अ. यांचा पाया


उपकार्यकारी अभियंता,
टिचू आसक सिध्द प्रकल्प व्यवस्थापन विभाग,
अहमदाबाद.

प्रत:- उपविभागीय अभियंता, टिचू उपसा सिध्द अवसथामुन उप विभाग, कडेपूर यांचा स्वागै पत्र जा.क्र. ३४/दि. १२/०१/२०१६ ला अनुसरून पाठितीसाठी व पुढील कार्यवाही साठी रवाना.
सोबत:- करारनामा प्रत १
प्रत:- शाखाधिकारी, पाटव्याने साखा कडेपूर . यांना गळित्ठीसाठी व पुढील कालावधीसाठी रवाना.
सोबत:- करारनामा प्रत १.

D/ करारनामा ५४.2016

3. Spent wash shall be treated in Bio-Digester and after that will concentrated in Evaporator and concentrate will be used for Bio-Composting.

❖ **We have already treated all Spent Wash in Bio Digester and after that concentrated in MEE & concentrate used for Bio Composting.**

FLOW DIAGRAM OF ZLD SYSTEM ATTACHED.



4. Automatic /Online monitoring system (24x7 monitoring devices) for flow measurement & relevant pollutants in treatment system to be installed .The data to be made available to the respective SPCB and company website.

❖ **We have already installed ONLINE MONITORING SYSTEM for monitoring effluent.(,COD,BOD,TSS, PH,FLOW) and emission (pm) for Sugar unit and Web Camera & Flow Meter for Distillery Unit. Data of same is available for CPCB & MPCB. Photograph attached.**



DISPLAY OF DUST ANALYZER



SENSOR OF DUST ANALYZER.



ETP ANALYZER



F M ON
SUGAR ETP.



WEB CAMERA

Spent wash storage lagoons

Spent wash storage lagoons are constructed as per CREP norms. All spent wash is stored in impervious RCC lagoons with proper lining with HDPE and Khanapuri stone with Epoxy mortar in proper condition to prevent ground water pollution.

A. COOLING TANK. (5 DAY)

A cooling tank is constructed near Distillery site for cooling of spent wash. The construction of tank by using 500 micron HDPE sheet and KHANAPURI stone is used. **Capacity of this tank is 1500 m³.**



B. SPENTWASH HOLDING TANK. (30 DAY)

At Composting site holding of Spent wash constructed Impervious Spent wash Holding Tank as per CREP norms by using 500 micron HDPE sheet and Khanapuri Stone. **Capacity of this Tank is 9000 m³.**



5. Process effluent /any wastewater shall not be allowed to mix with storm water .storm water drain shall be passed through guard pond.

❖ **Agreed.**

6. The by-product which fall under the purview of the Hazards waste rules ,be handled as per the said rules and necessary permissions shall obtained under the said rules.

❖ **Agreed.**

7. Adequate numbers of ground water quality monitoring stations by providing piezo meters around the project area and compost yard shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to CPCB And Ministry .The ground water quality monitoring for pH,BOD<COD,chloride,Sulphate,and TDS shall be monitored on monthly basis and report submitted to R O Nagpur and SPCB.

❖ **Two no of Piezo meters & Two no of Bore well around compost site installed for Ground water Analysis. Photographs attached.**

BORE-WELLS AROUND COMPOST

For Ground Water Monitoring there are two numbers of Bore Wells are provided by factory.



PIEZOMETERS AROUND COMPOST.



8. As proposed green belt over 33 %of the total project area should 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, ling road sides etc.selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.

❖ **Tree plantation & its conservation is main agenda of our karkhana management, due to this Govt. of Maharashtra give " VANASHRI " award to our chairman Shri.MohanraoShriptrao Kadam. To maintain work Environmental healthy fresh & massive GREENBELT development program is taken in hand. The species selected on the basis of soil quality ,place, chance of survival etc. Photograph attached.**







9. All the commitments made during the public hearing held on 23/6/2016 should be satisfactorily implemented and adequate budget provision should be made accordingly.

❖ **Agreed.**

10. At least 5% of the total cost of project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical details shall be prepared and submitted to the ministry's Regional office. Implementation of such program shall be ensured accordingly in a time bond manner.

❖ **Agreed.**

11. A regular Environment Manager having post graduation in Environment Science to be appointed for looking after the Environmental activities of proposed plant.

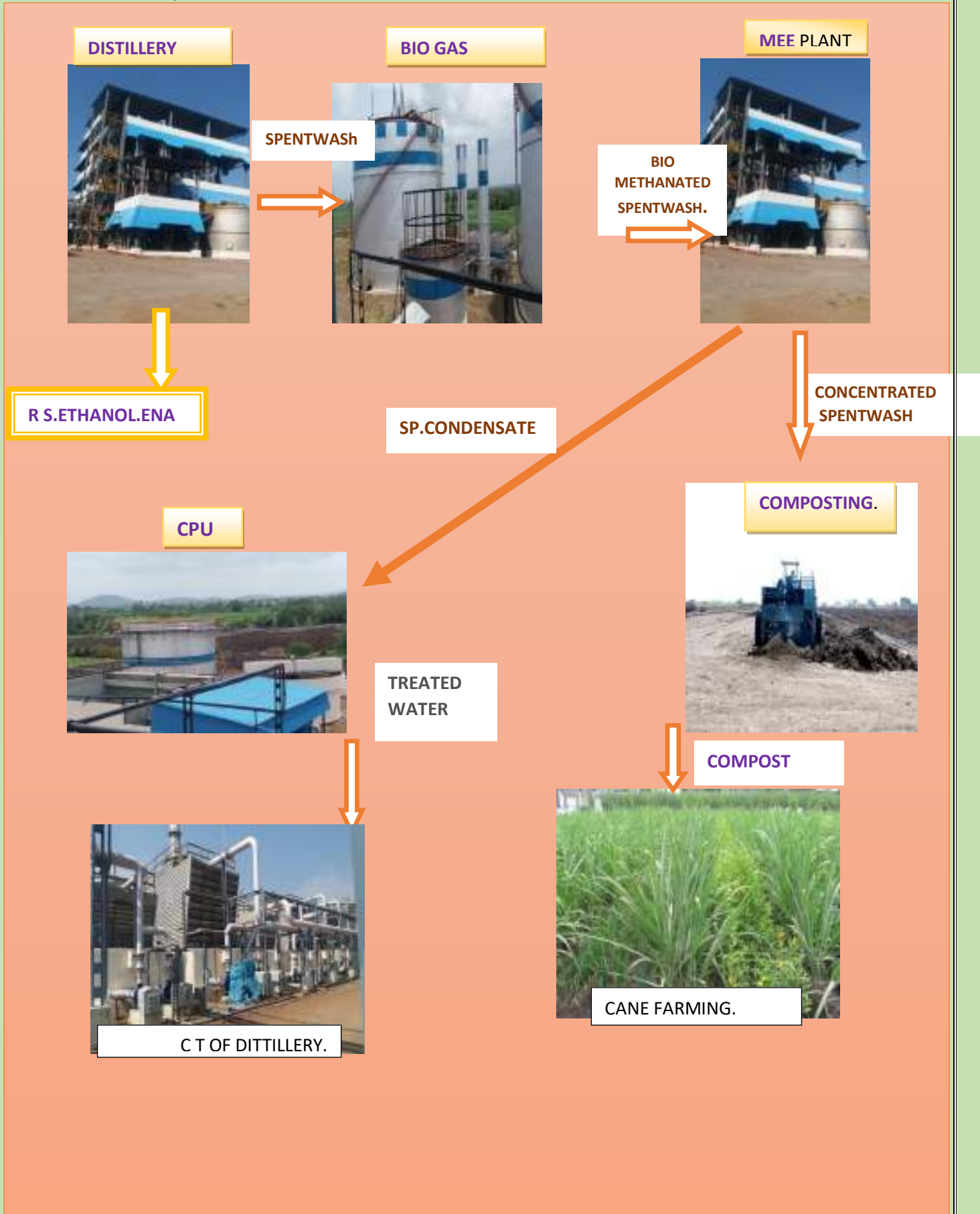
❖ **We have appointed regular Environment Manager having post graduation (MSc Env.) for looking Environmental activities.**

❖ **We are pleased to inform you that Vasantdada Sugar Institute Pune has honored “ **BEST ENVIRONMENT OFFICER** ” to our Environment Officer for its outstanding work in environmental protection and its conservation. (Photograph attached)**



12. The unit shall adhere to Zero Liquid Discharge (ZLD)

❖ Complied.



B.GENERAL CONDITIONS.

1. The project authorities must strictly adhere to the stipulations made by the MPCB, State govt. and any other statutory authority.
 - ❖ **Agreed.**

2. No further expansion or modifications in the plant shall be carried out without prior approval of Ministry of Environment ,Forestland Climate change. In case of deviations or alternations in the project proposal from those submitted to this ministry for clearance, 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.
 - ❖ **Noted.**

3. The locations of ambient air quality monitoring stations shall be decided in consultation with 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.
 - ❖ **Agreed.**

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.
 - ❖ **Agreed.**
 - ❖ **Monitoring report attached.**

5. The overall noise level 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 level shall conform to the standards prescribed under Environment (Protection) Act ,1986 viz.75dBA(day time) and 70 dBA (Night time).
 - ❖ **Completed.**

6. The component 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.

❖ **Agreed.**

7. Training shall be imparted to all employees on safety and health aspects of chemical 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.

❖ **Agreed.**

8. The company shall also comply with all the Environmental protection measures and safeguards proposed in the documents submitted to ministry. all the recommendations made in EIA/EMP in the respect of environmental management and risk mitigation measures relation to the project shall be implemented.

❖ **Agreed.**

9. The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area.CSR activities shall be undertaken by involving local villages and administration.

❖ **Agreed.**

10.The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.

❖ **Agreed.**

11.A separate Environmental Management cell equipped with full flagged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

❖ **Agreed. Details of EMC is aa follows.....**

SONHIRA SAHAKARI SAKHAR KARKHANA LTD,MOHANRAOKADAMNAGAR WANGI.

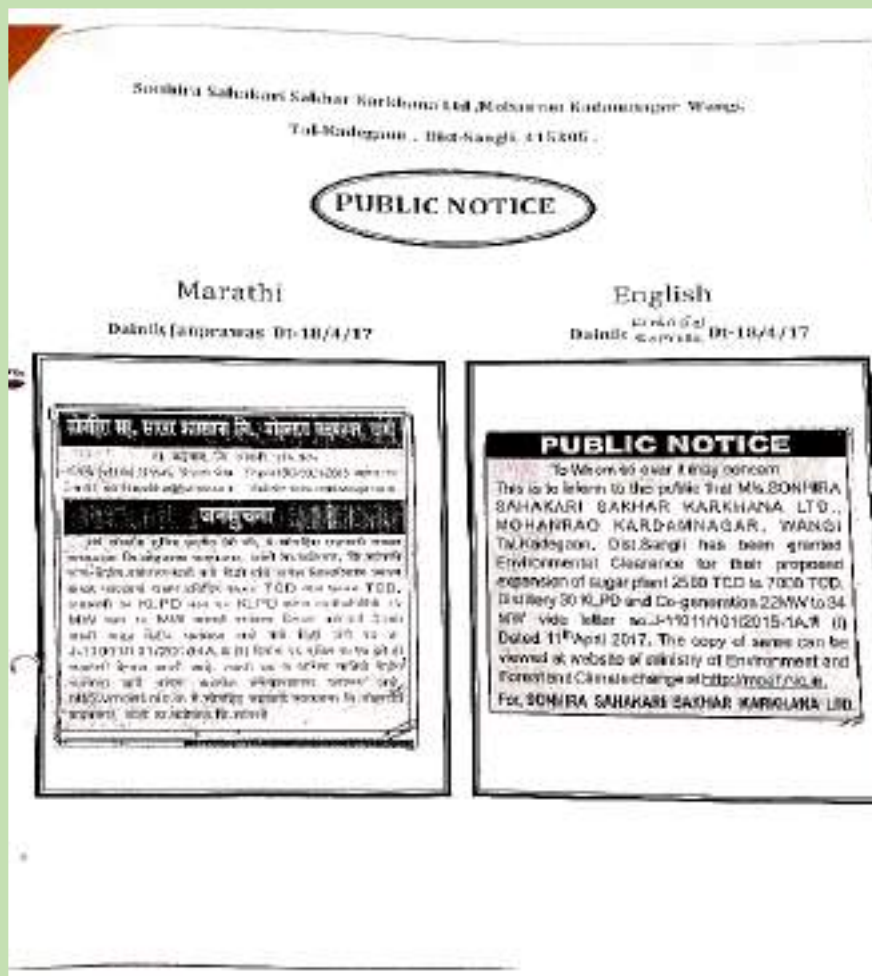
ENVIRONMENT CELL

Sr No	Name of Employee	Educational Qualification	Remark
ENVIRONMENT MANANGER.			
	Suryawawanshi N V	MSc Environment.	
ENVIRONMENT CHEMIST.			
1	Rathvade V S	BSc-chem.	
2	Suryawawanshi A B	BSc-chem.	
BIO-GAS CHEMIST.			
1	Sapkal S B	BSc-chem.	
2	Pavar L.G.	BSc-chem.	
3	Jagdale S.B.	MSc-chem.	
CLEARK CUM COMPOST SITE SUPERVISER			
1	Pol B S	B A.	
2	Suryawanshi S N	B A.	
OPEARATORS			
1	Nalvade S U	10 th	
2	Pavar P V	12 th	
3	Pavar H P	12 th	
4	Pavar N P	12 th	
5	Jadhav P A	12 th	
6	Jadhav K J	10 th	
7	Nikam M S	10 th	
8	Kadam L S	10 th	
9	Thorat S G	10 th	
10	Karande A T	12 th	
11	Suryawanshi D S	12 th	
12	Gotpagar M S	12 th	
13	Yadav C G	10 th	
14	Lade S L	10 th	
15	Gotpagar M A	10 th	

12. The company shall earmark sufficient funds towards Capital cost and recurring cost per annum to implement the conditions stipulated by ministry of Environment, Forest and climate change as well as the state government along with implementation schedule for all the conditions stipulated herein. The so earmarked for all Environment management /pollution control measures shall not be diverted for any other purpose.

❖ Agreed.

13. A copy of Clearance letter shall be sent by proponent to concerned panchayat ,Zillaparishad /Municipal corporation ,Urban local body and local NGO ,if any from whom suggestions were received while processing the proposal.



14. The proponent shall also submit six monthly reports on 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 resp.Zonal office of CPCB and SPCB .A Copy of Environmental clearance and six monthly compliance status report shall be posted on website of company.

❖ **Complied.**

❖ **Web link –[www. Sonhirasugar.com](http://www.Sonhirasugar.com)**

15. The Environment statement for each financial year ending 31 st march in form -V as in mandated shall be submitted to the concerned State pollution control Board as prescribed under the Environment (Protection) Rules1986, as amended subsequently,shall also be put up on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the resp.Regional Offices of MoEF&CC by e-mail.

❖ **Complied. The copy of Environment Statement is send to Regional office of MoEF with last Monthly Report.**

❖ **Copy Attached .**

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 vernacular language of the locality concerned and the copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

❖ **Complied.**

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 the project.

❖ **Complied.**

