

Compliance Report of Environmental Clearance of 33 KLPD Distillery Unit

**M/s. Shree Someshwar Sahakari Sakhar
Karkhana Ltd.,
Someshwarnagar, Tal. Baramati. Dist. Pune**



Prepared by



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NABET/EIA/2023/RA 0208)

March 2022

F. No. J-11011/186/2004- IA II (I)
Government of India
Ministry Environment and Forests
(IA Division)

Paryavaran Bhavan
CGO Complex, Lodhi Road
New Delhi – 110 003.

E-mail: pb.rastogi@nic.in
Telefax : 011-24367668
Dated 22nd March, 2006

To,

Shri S.R. Bhagat
Managing Director
Shree Someshwarnagar
Taluka Baramati
Pune – 412 306
Maharashtra

Fax No. : 02112-282412
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Subject : 33 KLPD Distillery unit by M/s Shree Someshwar Sahakari Sakhar Karkhana Ltd. at Shree Someshwarnagar, Baramati, Pune, Maharashtra - Environmental clearance reg.

Sir,

This has reference to your letter No. Civil/2016/2004-05 dated 1st September, 2004 alongwith questionnaire, EIA/EMP and related project documents on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that proposal is for setting up of a distillery unit (33 KLPD capacity) and will be located in 11.60 ha within the existing premises of 87 ha. of 3,500 TCD sugar factory of the company at Someshwarnagar, Pune, Maharashtra. The company will adopt continuous fermentation technology with yeast recycle system. Bio-composting will be practiced for utilization of spentwash from the distillery and pressmud from the sugar mill to ensure 'zero' discharge. Requirement of molasses will be 35,640 TPA, out of which 22,600 TPA will be met from the company's own sugar mill and 13,040 TPA from other nearby sugar mills. Multi-cyclone and scrubber shall be provided to the boiler to control air emissions. Water requirement for the project will be 444 m³/d, which will be met from the Nira Left Bank Canal. Spentwash generated will be used for bio-composting, for which 24 acres has been earmarked. Solid wastes generated in the form of boiler ash and yeast sludge which will be used for bio-composting. Green belt will be developed in 5 ha. Public hearing was held on 30th December, 2002. "NOC" has been accorded by the Maharashtra Pollution Control Board (MPCB) on 30th April, 2003. Cost of the project is Rs. 10.81 Crores.

3.0 The Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 27th January, 1994 as amended subsequently subject to strict compliance of the following specific and general conditions :

RECEIVED
Date: 1.4.06

(A) SPECIFIC CONDITIONS :

- i. The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit should be shut down and should not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. The company shall adopt continuous fermentation technology and ensure that distillery shall be operated on molasses as raw material and spent wash generation shall not exceed 264 m³/d. The spent wash generation would be @ of 8 kl/kl of alcohol produced. The spent wash shall be treated in bio-methanation plant followed by aerobic bio-composting to achieve "zero discharge".
- iii. Land and other requirements for treatment of spent wash with press mud shall be as per the CPCB guidelines. As committed to the Ministry, the Company shall earmark an area of 24 acres for the compost plant, storage of press mud and bio-compost. The Company shall take all necessary measures to avoid any leakage or pilferage of the spent wash in any surface/ground water body during transportation from the distillery unit to the compost plant.
- iv. The spent wash shall be stored in impervious lagoons. The spent wash lagoons shall have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendations, storage should not exceed more than 30 days. Spent lees generated shall be used for molasses dilution and condensate shall be recycled back to the boilers as feed water.
- v. Adequate numbers of ground water quality monitoring stations around the bio-compost plant and the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to MPCB and this Ministry.
- vi. The Company shall install multi-cyclone and scrubber with minimum 95% efficiency to control the air emissions from the boiler installed in the distillery unit to achieve the particulate emissions within the prescribed standards.
- vii. ETP sludge and boiler ash shall not be disposed off outside the plant premises and appropriately used in bio-composting.
- viii. Green belt shall be provided in 5.0 ha. to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with the local DFO.
- ix. Company shall adopt surface as well as roof top rainwater harvesting measures to recharge the ground water.
- x. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be strengthened and the medical records of each employee should be maintained separately.

(B) GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB) and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. Ambient air quality monitoring stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO₂, NO_x are anticipated in consultation with the MPCB.
- iv. Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the MPCB. Regular monitoring shall be carried out for relevant parameters.
- v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- vi. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.
- vii. A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions. The project authorities shall provide adequate funds both recurring and non recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- vii. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal / MPCB / Central Pollution Control Board. A six monthly compliance status report along with the monitored data shall be submitted to the monitoring agencies.
- viii. 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 State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.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 should be forwarded to the Regional office.
- ix. 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 land development work.

3.0. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

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

5.0. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules,

Munshi
22/3/06
(Dr. P. B. Rastogi)
Additional Director

Copy to:

1. The Secretary, Department of Environment and Forests, Govt. of Maharashtra, Mumbai - 400 001, Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E - 5, Arera Colony, Bhopal - 462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai - 400 001, Maharashtra.
5. Joint Secretary (CCI-I) Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.

(Dr. P. B. Rastogi)
Additional Director

33 KLPD Distillery Unit Compliance Report

#	Conditions	Compliance
1	The Ministry of Environment and forests has examined application. It is noted that proposal is for setting up of a distillery unit (33 KLPD capacity) and will be located in 11.60 ha. within the existing premises of 87 ha. of 3,500 TCD, sugar factory of company.	Complied. Please refer plant layout for detail land breakup enclosed as Annexure I
2	The company will adopt continues fermentation technology with yeast recycle system.	Complied. Annexure II gives details of fermentation technology
3	Bio-composting will be practiced for utilization of spentwash from the distillery and press mud from the sugar mill to ensure 'zero' discharge.	Complied. Bio-methanated spent wash is treated in biogas plant followed by bio composting to achieve zero discharge.
4	Requirement of molasses will be 35,640 TPA, out of which 22,600 TPA will be met from the companies own sugar mill and 13,040 TPA from other nearby sugar mills.	Complied. Molasses consumption details given in Annexure III
5	Multi-cyclone and scrubber shall be provided to the boiler to control air emissions.	Complied. Electrostatic precipitator has been installed as air pollution control device Refer Annexure IV photographs of ESP & existing stack.
6	Water requirement for the project will be 444 m ³ /day, which will be met from Nira left bank canal.	Complied. Permission for water drawl from Nira left bank canal is enclosed as Annexure V
7	Spentwash generated will be used for bio-composting, for which 24 acres has been earmarked.	Spent wash generation is 264 m ³ /day. Spent wash will be disposed through biogas followed by bio composting process. Photographs of biogas plant enclosed as Annexure VI
8	Solid waste generated in the form of boiler ash and yeast sludge which will be used for bio-composting.	Complied. Factory uses bagasse as a fuel and bagasse ash is usually rich in potash. Hence it is mixed with bio-compost and sold to the farmers.
9	Green belt will be developed in 5 ha.	Complied. Greenbelt layout is attached as Annexure VII
10	Public hearing was held on 30 th December, 2002.	Public hearing was held on 30 th December, 2002 in presence of District Collector.
11	"NOC" has been accorded by the MPCB on 30 th April, 2003.	Compiled. Please refer Annexure VIII
12	Cost of the project is Rs. 10.81 Corers.	CA certificate is attached as Annexure IX
A. SPECIFIC CONDITONS		
1	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by unit, the respective unit	Compiled. The industry has installed online emission monitoring system to check the stack emissions. It is connected to the server of MPCB, CPCB. In case if emissions exceed the limits, alert message is received from concerned authorities thro' email/SMS. So far,

	should be shut down and should not be restarted until the control measures are rectified to achieve the desired efficiency.	no such message has been received.
2	The company shall be adopting continuous fermentation technology and ensure that distillery shall be operated on molasses as a raw material & spent wash generation shall not be exceed 264 m ³ /day. The spent wash generation would be at 8 kl/kl of alcohol produced. The spent wash shall be treated in bio-methanation plant followed by aerobic bio-composting to achieve “zero discharge”.	Complied. Distillery has adopted continuous fermentation technology. 1 Anaerobic digester is installed at site as a primary treatment for spent wash. Digester is of CSTR types with capacity of 9100 m ³ . Biomethanated spent wash sent to biogas plant and then bio-composting process. Refer Annexure VI for photographs of biodigester
3	Land and other requirements for treatment of spentwash with press mud shall be as per the CPCB guidelines. As committed to the Ministry, the company shall earmark an area of 24 acres for the compost plant, storage of press mud and bio-compost. The company shall take all necessary measures to avoid any leakage or pilferage of the spent wash in any surface/ground water body during transportation from the distillery unit to the compost plant.	Noted and complied as per the guidelines
4	The spent wash shall be stored in impervious lagoons. The spent wash lagoons shall have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendations, storage should not be exceed more than 30 days. Spentless generated shall be used for molasses dilution and condensate shall be recycled back to the boilers as feed water.	Complied. 3 impervious lagoons have been constructed for the storage of spent wash. These are lined with HDPC sheet and constructed as per the CPCB/CREP guidelines. The total capacity of spent wash lagoons 37,800 m ³ (12,600 m ³ each)
5	Adequate numbers of ground water quality monitoring stations around the bio-compost plant and the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to MPCB and this Ministry.	Complied. Monthly Ground water monitoring during season will be undertaken and trend analysis will be done. Please refer Annexure X for ground water analysis reports.
6	The company shall install multi-cyclone and scrubber with minimum 95% efficiency to control the air emissions from the boiler installed in the distillery unit to achieve the particulate emissions within the prescribed standards.	Complied. ESP has been installed air pollution control equipment for 180 TPH (total 3 boiler) boiler and RCC stack of 72 m height is in place. Refer Annexure IV photographs of ESP & existing stack.
7	ETP sludge and boiler ash shall not be disposed outside the plant premises and appropriately used in bio composting.	Noted and shall be complied ETP sludge will be used for gardening in the plant premises and Ash will be utilized in bio composting

8	Green belt shall be provided in 5.0 ha. to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with the local DFO.	Complied. Annexure VIII shows green belt development plan around the plant.
9	Company shall adopt surface as well as roof top rainwater harvesting measures to recharge the ground water.	Layout of rainwater harvesting attached as Annexure XI
10	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center should be strengthened and the medical records of each employee should be maintained separately.	The company organizes health check-up programme. Annexure XII shows photographs of the health checkup programme organized by the factory.
B. GENERAL CONDITIONS		
1	The project authorities must strictly adhere to the stipulations made by the MPCB and the state government.	Complied. Please refer compliance report of consent to operate issued by the MPCB as Annexure XIII
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of environment and forests.	Noted and shall be followed.
3	Ambient air quality monitoring stations shall be set up in the downwind directions as well as where max. ground level concentration of SPM, SO ₂ , NO _x are anticipated in the consultation with the MPCB.	AAQ is monitored at factory premises and close surrounding villages, reports of the same enclosed in Annexure XIV
4	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the MPCB. Regular monitoring shall be carried out for relevant parameters.	Spent wash is the main effluent generated in the unit is disposed through biogas followed by bio composting.
5	The overall noise levels in and the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under EPA rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. The industry is maintaining ambient noise levels by using acoustic hoods, silencers etc. for noise control and also conducts noise monitoring. Annexure XV shows photographs of the acoustic hoods, silencers and noise monitoring reports.
6	The project proponent shall also be comply with all the environmental protection measures and safeguards recommended in the EIA report.	Complied. The industry has implemented necessary measures recommended in the environment management plan of the EIA report. Please refer Annexure XVI Details of online monitoring system & Annexure XV acoustic hoods & silencers.
7	A separate environmental management cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions. The	Complied. Environment management cell equipped with full-fledged laboratory facilities have been constituted by the management under the Managing director. Refer Annexure

	project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of environment & forests as well as the State government along with the implementation scheduled for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	XVII for the EMC details.
8	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministries regional office at Bhopal / MPCB / CPCB. A Six monthly compliance status report along with the monitored data shall be submitted to the monitoring agencies.	Noted.
9	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 state pollution control board/ committee and may also be seen at website of the ministry of environment and forests at https:// envfor.nic.in . This shall be advertised within seven days from 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 should be forwarded to the regional office.	Noted, and the clearance letter uploaded website is https://www.someshwarsakhar.com/assets/files/EC_Certificate_Someshwar.pdf
10	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 land development work.	Noted.
11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Complied and Noted.
12	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner will implement these conditions.	Noted.
13	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 186 and the Public liability insurance Act, 1991 along with their amendments and rules.	Noted.

Detailed Land breakup

#	Description	Old Distillery Area		Proposed Distillery Area	
		Size in m x m	Area (sq.m)	Size in m x m	Area (sq.m)
1	RS Receiver section	27.75 X 18.00	1.0	6.0 X 27.75	165.0
				20.0 X 24.0	480.0
2	AA storage & Receiver Section	66.0 X 48.6	3207.0	66 X 48.6	3207.0
3	Fermentation section	34.0 X 17.5	595.0	36.23 X 17.50	634.0
4	Distillation Section	13.5 X 11.5	155.3	13.5 X 11.5	155.3
5	Cooling tower for Dist.+ Evap.	7.0 X 12.5	87.5	9.0 X 6.5	58.5
6	Cooling tower for Fermentation	—	—	9.0 X 6.5	58.5
7	Cooling tower for MSDH	4.5 X 10.0	45.0	4.5 X 10	45.0
8	Boiler house	—	—	—	—
9	TG & PCC room	16.5 X 6.5	107.25	12.4 X 10.06	124.7
10	Evaporation section	—	—	—	—
11	Water storage & treatment plant	18.0 X 15.0	270.0	25.0 X 15.0	375.0
12	Security cabin	5.0 X 3.0	15.0	—	—
13	Admin block	12.0 X 6.0	72.0	—	---
14	Bio gas plant	60 X 46	2760	—	---
15	Lagoon section	49 X 68	3332	—	---
16	Leachate collection pit				
17	Spent clarification plant				
18	Spent wash Evaporation plant			10.0 X 15.0	150.0
19	8 TPH boiler				
Total		Existing 10647.05		Proposed 5453	
Total Functional Area		16100.05 sq.m			
Greenbelt		About 33% of Functional Area i.e. 5313.0165 sq.m			
Total area with greenbelt		21413.066 sq.m			

Annexure II

Details of fermentation technology

Molasses is the chief raw material used for production of alcohol. Molasses contains around 50% total sugars, of which 30 to 33 % are cane sugar and the rest are reducing sugar. During the fermentation, yeast strains of the species *Saccharomyces cerevisiae*, a living microorganism belonging to class fungi converts sugars such as sucrose or glucose present in the molasses in to alcohol. The continuous fermentation process involves addition of fresh nutrients medium either continuously or intermittent withdrawal of portion of nutrient for recovery of fermentation products. In the process, Fermenter is in constant usage with little shut down and after initial inoculation of yeast culture, further inoculation is not necessary.

It has many advantages like continuity of operation, higher efficiency and ease of operation. It also results into consistent performance over a long period as compared with batch fermentation. Most of modern ethanol production plants adopt continuous fermentation technology. Hence, the same will be adopted in the proposed project. The yield of alcohol is ~270 litres/ ton using C type molasses whereas using B-heavy type of molasses the yield ranges from 300 to 330 litres per ton.

Annexure III Details of Molasses consumption

Sr.No.	Particular	This Season 2020 - 2021	Last Season 2019 - 2020
	25 Kg.	0.00	0
	Brown 50 Kg.	400.00	2250.00
	Quantity sugar in process if any	0.00	-
	Total Sugar Made (Quintals)	1324050.00	1110075.00
	Sugar recovered from previous season's process (Quintals)	0	-
	Sugar from previous season's brown sugar remelted		
	Sugar or other sources (Quintals)	1125.00	1420.00
	Total Net Sugar made (Quintals)	1322925.00	1108655.00
5	MOLASSES :-		
A	Molasses (C-Heavy)		
	i) C-Heavy Molasses Sent out (Quintals)	329575.85	381047.11
	ii) Molasses Recovered form previous Seasons remelted sugar (Quintals)	-	-
	iii) Total Net molasses (C-Heavy) produced (Quintals)	329575.85	381047.11
B	Molasses (B-Heavy)		
	i) B-Heavy Molasses Sent out (Quintals)	168120.00	0.00
	ii) Molasses Recovered form previous Seasons remelted sugar (Quintals)	0.00	0.00
	iii) Total Net molasses (B-Heavy) produced (Quintals)	168120.00	0.00
	iv) Total Net molasses (CH + BH) molasses produced (Quintals)	497695.85	381047.11
6	RECOVERY		
	Average recovery of sugar percent cane (Including BH)	12.08	11.86
	Average recovery of sugar percent cane (Excluding BH)	11.61	0.00
	Average production of C-Heavy molasses Percent Cane	2.89	4.08
	Average production of B-Heavy molasses Percent Cane	1.48	0.00
	Total Average production of (CH + BH) molasses Percent Cane	4.37	4.08
7	BAGASSE PERCENT CANE (E)	27.45	28.21
	Filter cake percent cane	3.45%	3.40%
8	STORES USED		
	Coal Percent Cane		
	i) Trial	0.00	0.00
	ii) Season	0.00	0.00
	Firewood Percent Cane		
	i) Trial	0.00	0.00
	ii) Season	0.00	0.00
	Other fuel percent cane		
	i) Trial	0.00	0.00
	ii) Season	0.00	0.00
	Other Fuel	Bagasse Saved	Bagasse Saved
	Lime percent cane	0.132	0.147
	Process	0.005	0.005
	ETP + spray	0.137	0.152
	Total	0.00	0.00
	Lime stone-(b) percent cane	0.00	0.00
	Coke (b) percent cane	0.00	0.00
	Sulphur percent cane	0.034	0.050

(2)


Annexure IV

Photographs of ESP and Existing stack



Annexure V

Water drawl permission (Kararnama)



महाराष्ट्र शासन
जलसंपदा विभाग

कार्यकारी अभियंता, पुणे पाटबंधारे विभाग, पुणे

नवीन प्रशासकीय इमारत, डी-विंग, पश्चिम बाजू दुसरा मजला, पुणे — ४११ ००१
दुरध्वनी: ०२०-२६१२३००५ ई-मेल: eepidpn@gmail.com
जलसंपदा विभागाच्या संकेतस्थळास कृपया भेट द्या : <http://wcd.maharashtra.gov.in>

जा.क्र.: पुपावि/सिंचन/ 3492 /२०१९ दिनांक:- १२/ ६ /२०१९

प्रति,
कार्यकारी संचालक,
श्री.सोमेश्वर सहकारी साखर कारखाना लि.
सोमेश्वरनगर, ता.बारामती, जि.पुणे


विषय :- विंगर सिंचन औद्योगिक पाण्याचा मंजूर पाणी परवानगीचा करारनामा नुतनीकरण करणेबाबत.

संदर्भ :- सहा.अभि.(श्रे.१),निरा पाटबंधारे उपविभाग,निरा यांचे प.जा.क्र.विसि/८०८ दि.१२.११.२०१८

संदर्भिय पत्रान्वये वरील विषयाबाबतचा करारनामा प्राप्त झाला असून विंगर सिंचन (औद्योगिक) पाणी वापराचा करारनामा (दि.१ नोव्हेंबर २०१८ ते ३१ ऑक्टोबर २०२४ अखेर) मंजूर करून देणेत येत आहे. हया सुधारित करारनाम्यातील सर्व अटी व शर्तीचे काटेकोरपणे पालन करणे आपल्या संस्थेस बंधनकारक असून करारनाम्यातील कोणत्याही अटीचा /शर्तीचा भंग झाल्यास सदर करारनामा रद्द करणेत येईल याची कृपया नोंद घ्यावी.

सोबत :- करारनामा प्रत

स्थळ प्रतीवर का.अ.यांची सही असे.


(वि. दा. पाटील)
उपकार्यकारी अभियंता
पुणे पाटबंधारे विभाग,पुणे

प्रत :- सहाय्यक अभियंता (श्रे.१) निरा पाटबंधारे उपविभाग , निरा यांना माहितीसाठी व योग्य त्या कार्यवाहीसाठी रवाना.
प्रत :- शाखा अभियंता,पिंपरा पाटबंधारे शाखा,निरा यांना माहितीसाठी व योग्य त्या कार्यवाहीसाठी रवाना.

2019.6.7 PID to Someshwar SSK वि.सिंचन - औद्योगिक पाण्याचा मंजूर पाणी परवानगीचा करारनामा नुतनीकरणबाबत.

AND whereas the Government has agreed to grant the aforesaid permission to the company on the terms and conditions hereinafter appearing.

AND WHEREAS UNDER the said terms and conditions the company has to deposited with the Executive Engineer Pune Irrigation Division to the Government a sum of Rs.(30000/-) (In words Rs.Thirty Thousand only) and Rs.578500/- (Rs.Five Lakh Seventy Eight Thousand Five Hundred) vide D.D. No.424905 dated 31/10/2006 of Pune District Central Co-op. Bank Ltd., Pune-01 Total 608500/- (Six Lakh Eight Thousand Five Hundred) as **Security equivalent to 2 months company's probable annual water charges based on early sanctioned and as communicated** for the due observance and performance by the company of the terms and conditions of this agreement AND WHEREAS the company has accordingly prior to the conditions of these presents deposited for assurance of electronic meter to be fitted by the company before starting use of water as per terms and conditions herein obtained ; AND WHEREAS it has been agreed that the said amount will not carry any interest deposited in cash.

Definitions

Quota – quota means yearly demand sanctioned and communicated to Shri Someshwar Sahakari Sakhar Karkhana Ltd, Someshwarnagar, Tal- Baramati, Dist- Pune by the Executive Engineer.

Corporation – Corporation means the Canal (N.R.I.C.) Basin corporations like Maharashtra Krishna Valley Corporation (MKVDC), Godavari Marathwada Irrigation Development Corporation (GMIDC), Tapi Irrigation Development Corporation (TIDC), Kokan Irrigation Development Corporation (KIDC) & Vidarbha Irrigation Development Corporation (VIDC), Municipal Corporation's Municipalities etc.

MIDC: MIDC means Maharashtra Industrial Development Corporation

MJP: MJP means Maharashtra Jeevan Pradhikaran;

Yearly Applicable Demand: Yearly Applicable demand means the water demand communicated by the user (for the period from 1st July to 30th June to the Executive Engineer & sanctioned by Irrigation Department every year in the month of May along with its bifurcation for industrial domestic and agriculture use.

USER: User means water using agency like individual Companies users/ industry/ Entrepreneur.

NOW THIS AGREEMENT WITNESSTH AS FOLLOWS:

- 1) (a) In consideration of the company making payment to the Government/MKVDC as hereinafter specified and observing and performing the convenience and conditions herein contained Government/MKVDC do hereby grants to the company permission to draw following quota of water for the specified purpose

Sr. No.	Description/ Use	Quantity (Million Cubic meter (Mcum) per year)
	Total sanctioned quota	0.37 mm ³
	For Industry Using Potable water bottling plant	-
	For other than water as raw material industrial use	-
	For domestic use	0.37 mm ³
	For agricultural use (nursery/ gardening) within the company's premises	-

MANAGING DIRECTOR
Shri Someshwar Sahakari Sakhar Karkhana Ltd, Someshwarnagar, Tal-Baramati, Dist-Pune
use the same for the purpose of the Company's said plant or project, for supply to residential colonies for a term of One year commencing from the date 1st November, 2018 on the following terms and conditions:

(b) The quota assigned for domestic use shall not exceed 10% each of the individual water demand. In the cases where in the water used for Domestic & Agricultural use exceeds 10% in each case the excess use shall be charged at Industrial applicable rate specified in clause 11 of this agreement.

(c) The Industrial water requirement, the Domestic water requirement and agricultural (nursery gardening) water requirement of the company as demanded deemed to be **separate and Independent for the sole purpose and water charges assessment shall be accordingly separates and independent** for the other clauses of this agreement.

2) The permission hereby granted shall be subject to the provisions of the Maharashtra Irrigation Act 1976 and the Bombay Canal Rules 1934 and subsequent revisions, if any in force and any executive orders issued in this behalf by Government/MKVDC and any statutory amendment thereof from time to time and for the time being in force.

3) Nothing herein contained shall be deemed to imply any guarantee on the part of the Government/MKVDC as to the availability or otherwise of any specific quantity of water and Government/MKVDC shall not be responsible for the non-supply or Inadequate supply of water on any account whatsoever.

However in case of inadequate or non-supply due to shortage of water or reason beyond the control of the Department, bill shall be charged as per actual quantity of water lifted/supplied during such period.

4) The company shall use the water drawn from the said river for supplying water to units under Sugar Factory Project of Shri Someshwar Sahakari Sakhar Karkhana Ltd., Someshwarnagar, Tal- Baramati, Dist- Pune and within the area of the said project. The company shall supply the water from the said Canal to units under Sugar Factory Project of Shri Someshwar Sahakari Sakhar Karkhana Ltd., Someshwarnagar, Tal- Baramati, Dist- Pune project area. The company should not sale water to units / plants other than the Shri Someshwar Sahakari Sakhar Karkhana Ltd., Someshwarnagar, Tal- Baramati, Dist- Pune Project area, in the event of the company selling water drawn from the said Canal outside the Sugar Factory Project of Shri Someshwar Sahakari Sakhar Karkhana Ltd., Someshwarnagar, Tal- Baramati, Dist- Pune project area, and then the Government/MKVDC without prejudice to its right will forthwith revoke the license. Government/MKVDC shall be entitled to recover from the company the proceeds of any such sale made by the company.

5) Government/MKVDC shall be entitled to utilize water of the said canal available after meeting the reasonable requirements of the company; as to which matter the decision of the Government/MKVDC shall be final and binding on the company, for such purpose as Government/ MKVDC deems fit.

6) The permission hereby granted shall not in any manner prejudicially affect the existing water rights vested in the upstream riparian owners; nor shall it any way. Prejudice Government's/MKVDC right to here after launch or implement in public interest any new scheme or schemes on its own, on or in connection with the present source of channel of water supply available to the company, subject however to the safe guarding of it's reasonable demand referred to in clause (5) above.

7) The company shall not construct the pick-up weir in the Nira Left Bank Canal of the said Canal unless the proposals, plans, drawings, specifications, estimates and all other details thereof are previously submitted to and approved in writing by an officer authorized in that behalf by the Government/MKVDC and while granting its approval

(Signature)
MANAGING DIRECTOR
Shri Someshwar Sahakari Sakhar Karkhana Ltd.,
Someshwarnagar, Tal-Baramati, Dist-Pune

- to the construction of the pick-up weir Government/MK/VDU may impose such conditions as it may in its discretion think fit.
- 8) (a) For ascertaining the quantity of water drawn by the company, the company shall forthwith at its own cost and after obtaining prior approval in writing thereto of the Executive Engineer, install independent pipelines fitted with separate electronic water measuring devices for the use of water for the said independent intention (hereinafter referred to as "the said electronic measuring devices") at such places as is indicated by the Executive Engineer. All the pipelines layout *showing locations of the metering equipment's from the said source for different purposes shall be got jointly verified and got approved from Executive Engineer, Irrigation Department.* Layout from the said source shall be got approved from the Executive Engineer. No changes in the approved layout shall be made without the prior written approval from the Executive Engineer. In the event of the company failing to install and keep in proper working order the said electronic measuring devices for the use of water for the said plant and supply to the said residential colonies as aforesaid the company shall be liable to pay for the full sanctioned water quota *as mentioned in clause 8 (d) L.S. II.* During such period 125% of the proportionate sanctioned quantity will be charged at the prevailing rates for the said plant. The said electronic measuring devices shall always be kept under the lock and seal of Executive Engineer and the key of such lock shall at all times remain with the Executive Engineer. The company shall at all times during the substance of this agreement at its own cost maintain the said electronic measuring devices in proper working order and condition.
- (b) Readings for the water so drawn by the company will be taken on the said electronic measuring devices, on the 1st day of each month/ at agreed times, jointly by the authorized representatives of the Executive Engineer and of the company.
- (c) If any time in the opinion of the Executive Engineer the said electronic measuring devices are found defective, the same shall be tested for its accuracy and the cost of such testing shall be borne and paid by the company. If on such testing the said electronic are found to be defective the company shall forthwith get the same repaired and set right at its own cost and in the event of company failing to do within 30(Thirty) days thereafter the Executive Engineer may proceed to do so on account and at the cost of the company.
- (d) In the event of the said electronic measuring devices going out of order and becoming defective the quantity of water drawn by the company during the period when the meter was defective and not working shall be ascertained in the following manner.
- (i) If the said electronic measuring devices remain out of order for a period less than 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be 100 % of the yearly sanctioned demand as communicated in clause No. 11 or average for the last Six months whichever is higher.
- (ii) If the said electronic measuring devices remain out of order for a period exceeding 30 days then the quantity of water deemed to be drawn by the USER during the said period shall be taken to be 100 % of the yearly sanctioned demand as communicated in clause 11 or average for the last six months whichever is higher. This will be made applicable for the period during which the measuring devices remained out of order. The aforesaid provisions will also apply when the quantity of water drawn by the company cannot be measured on account of removal of the said electronic measuring devices for repairs or the same in the opinion of the Executive Engineer, Pune Irrigation Division, Pune not working properly.
- (iii) If electronic meter meant for domestic or for agricultural use is not fitted or remains out of order or is removed, the water charges will be levied as per the rates specified for the industrial use for the total quotas as referred to in clause 1 (a) of this agreement.
- Shri Someshwar Sahi, Someshwar, Tal. Baramati, Dist. Pune
Shri Karthik Sahi, Someshwar, Tal. Baramati, Dist. Pune
- MANAGING DIRECTOR
- to be done on bimonthly basis. The Bill for the water drawn by the Company during the previous calendar month shall be sent in duplicate/ triplicate by

the Executive Engineer to the office of the company within 15 days after the end of the water consumption month. The company shall thereafter duly pay the same by a demand draft drawn in the same name of the Executive Engineer, Pune Irrigation Division, Pune for and on behalf of the Government within a fortnight from the date of receipt of the bill and shall not allow the same to fall in arrears. If the company fails to pay the amount within this stipulated time (15 days from the date of receipt of the bill i.e. before the end of the current month) extra charges not exceeding 12 % per annum of the amount due will be charged. If the delay in payment of water charges exceeds six months the Irrigation department reserves the right to terminate the water supply with a notice period of 15 days in advance.

- 10) The cost of all works in connection with the arrangements for water supply including the cost of measuring devices and its installation and maintenance shall be borne by the company.
- 11) Subject to the provisions of clause (8) hereof the company shall pay to the Government at the time and in the manner specified in clause (12) hereof water charges for the quantity of water drawn by the company from the said river as measured by the said electronic measuring devices at the following rates prescribed as per Maharashtra Water Resources Regulatory Authority Order No.1/2018 dt.11/01/2018 and also as per subsequent revision in the water rates from time to time in the terms of this Agreement (The present water rates for the water drawn from the said source for Industrial water use is Rs.9.60 Rs./cum applicable for the period sanctioned quota 0.37 Million Cubic meter for the period one year).


I. Provided however that after the expiry of two years from the date the company starts drawing water from the said Canal if any month the quantity of water drawn by the company is less than 90 per cent of the quantity of water specified in clause (1) hereof then the company shall pay to the Government water charges calculated for 90 per cent of the quantity of water specified in clause (1) hereof or for average of the quantity of water drawn by the company during the period of previous three months including the month in question whichever is greater.

II. For any unforeseen reasons, if the company/ agency would like to reduce / increase the demand of water made earlier/ entered in the agreement, they will be required to make the revised annual demand before the commencement of the year i.e. date 15th May. On acceptance of such revised demand the company will be charged as per changed demand for the period specified subject to condition that sanctioned quota minus reduced demand will be charged extra with Five percent of current rates applicable as commitment charges of water reserved, other conditions remaining same. A supplementary agreement on hundred rupees stamp paper for this changed quantity which will form part of main demand agreement.

III. No penal rate will be levied for the quantity limited to 15 % in excess of the sanctioned one. For quantity used in excess of this 15 % to 40 % without prior sanction a penal rate of 50 % will be charged over the basic rate and water use above 40 % will be charged 100 % over the basic rate. The delay in payment on account of this also will be governed by clause 9 above.

IV. For any unforeseen reasons (such as sudden closure of the units or sudden rise in production etc.) there could be abrupt fluctuations in the demand on both sides. Such cases will be decided at Govt. level only, by giving due considerations to the availability of water in particular sub-basin and so on.

In addition to the payment of water charges referred to above the company shall pay to the Government/MKVDC local fund cess at the rate of 20 paise per every rupee of basic water charges.
 MANAGING DIRECTOR
 Shri Someshwar SSKL, Tal-Someshwar, Dist-Pune



VI. Water bills – The bi-monthly bills for the period from November to August (for 10 months) shall be prepared on the basis of actual quantity of water lifted at the prevailing rate. The bill for the months of May & June (11th & 12th month) shall be prepared by taking review of annual sanctioned demand and the terms and conditions of the agreement and then shall be adjusted and paid accordingly. While adjusting so it shall be considered that the 90 % of the annual sanctioned demand has been lifted / used.

The water lifted in excess, up to 15 % of the sanctioned demand shall be charged at single rate and excess above 15 % to 40 % (without prior permission) will be charged at penal rate of 1.50 times of the normal rate, as mentioned in the relevant clause. However the excess use above 40% will be charged at penal rate 2.00 times of normal rate and local cess shall be charged on the single rate only.

12) (a) The company shall pay to the Executive Engineer, Pune Irrigation division, punewater rates and local fund cess either be in advance every alternate month on the basis of anticipated quantum of water to be drawn by it from the said source during the next two month or on monthly basis within fifteen (15) days from the date of receipt of the bimonthly demands by the USER from the Executive Engineer, Pune Irrigation Division, Pune. On default of the USER to pay the water rate or local fund cess aforesaid vide clauses 9 and 11, Government/MKVDC shall without prejudice to its any other rights and remedies be entitled to terminate this agreement as per clause No. 9

(b) In the case of disputes regarding quantity of water billed or rate at which the bill is prepared the Company/firm/individual water user shall first pay the complete amount of the bill and then claim for refund of any excess bill charged giving the reasons / justification of wrong billing. However the decision of Superintending Engineer, Pune Irrigation Circle, in this regards shall be final and binding on the Company.

13) Government /MKVDC hereby reserves to itself the right to revise from time to time the water rates and local fund cess and company shall pay the revised water rates and local fund cess as may be fixed by Government/MKVDC from time to time.

14) The USER shall not discharge the effluent in any nalla or river and shall not pollute directly or indirectly any portion of the said nalla/ river even by septic tank effluents. If any water sources are polluted by any industry as identified by Irrigation/Pollution Control Board/ MIDC/MJI the company shall be charged with a penalty of rupees 5000/- per such incident per day till it is rectified. The opinion of Maharashtra Pollution Control Board in respect of degree of pollution will be binding on the company.

The company shall recycle the effluent water from their use such as gardening, recreation, cooling, cleaning, washing and manufactured process etc. so that at least 20 % reduction in consumption of fresh water is achieved.

15) The effluent disposal arrangement made by the company/ industry shall be got approved by the company from the Maharashtra Pollution Control Board / Environmental Department of the Government prior to commencing the operation of pumping/ drawing water from the source.

16) The company shall at all times allow an officer of Irrigation Department of the Government/MKVDC authorized in that behalf to inspect the said works as well as the accounts and copies taken of entries from the records maintained by the company.

Shri Someshwar Saif, Karkhar, Karkhana Ltd. Someshwar Nagar, Baramati, Dist. Dhule

MANAGING DIRECTOR


Any notice or the other document to be given to or served upon the company may be given or served on behalf of the Government by the Executive Engineer, Pune Irrigation Division and any such notice or document shall be deemed to have been duly given to or

served upon the company or sent by registered post to the registered company if it is delivered at the registered office of the company or send by registered post to the registered address for the time being of the company.

- 18) The said sum of Rs. 608500/- (Six Lakh Eight Thousand Five Hundred) deposited in the form of FDR/ Bank guarantee /Cash/ DD by the company with the Executive Engineer, Pune Irrigation Division, Pune to the Government/MKVDC as foresaid shall be held by the Government/MKVDC as security for the due observance and performance by the company of the covenants terms and conditions herein contained. In case of default on the part of the company to perform and observe any said covenants terms and conditions it

shall be lawful for the Government/MKVDC in its absolute discretion to forfeit the whole of the security deposit or any part thereof without prejudice nevertheless to any rights and remedies which the government/MKVDC may have against the company under these presents for such breach and the company shall forthwith pay up the amount so forfeited and shall always maintain the original amount of deposit throughout the period of this agreement. On the expiry of the terms of this agreement the said security deposit of Rs.4611 Lakhs or such part thereof as shall not have been appropriated as aforesaid shall be refunded to the company.

- 19) All amounts due to the Government/MKVDC by the company under this agreement shall be deemed to be land revenue and may without prejudice to any other rights and remedies of the Government/MKVDC be recovered from the company as arrears of land revenue.
- 20) On the expiry of the terms of this agreement Government/MKVDC may renew this agreement within 90 days from such further period and on such terms and conditions as Government/MKVDC may at its absolute discretion deem fit.
- 21) The cost incurred in the execution of the incidental charges for this agreement including stamp duty shall be borne and paid by company.
- 22) Permission for extra water over and above the sanctioned quota will be granted only when written permission for expansion etc. is produced by the company from the Industrial department.
- 23) The agreement supersedes all the previous agreements entered into by the USER with the Government/MKVDC in connection with the supply of water from Nira Left Bank Canal.
- 24) The company should submit their water indent for every rotation to the Executive Engineer, Pune Irrigation Division, Pune on or before starting of the rotation where the source is located
- 25) The company will have to make an arrangement at its own cost for adequate storage (Balancing tank) of not less than two months requirement of water in case of perennial canal, five months requirement in case of 8 monthly canal system, four months requirement in case of water source from seasonal river / nalla and one month water requirement in case of perennial water source of river /nalla so as to take care of the closure period. But if unexpectedly the closure period is increased by more than the specified period stipulated herein the company will have to make an alternative arrangement for its water requirement at its own cost.


 MANOJ K. PATIL
 Director
 Shree Someshwar SSKL, Baramati Ltd
 Someshwarnagar, Tal-Baramati, Dist-Pune

26) IF THE COMPANY COMITS A BREACH OF ANY OF THE TERMS AND CONDITIONS THEREOF GOVERNMENT SHALL BE ENTITLED TO CANCEL THIS PERMISSION AND DISCONTINUE THE SUPPLY OF WATER WITHOUT PAYMENT OF ANY COMPENSATION WHATSOEVER TO THE COMPANY


27) The Government/MKVDC hereby reserves to itself its right to change /amend / modify / cancel / revise any of the terms and conditions, rules and regulations of water management and Maharashtra Irrigation Act and rules laid under them which shall be applicable for this agreement.

28) All the conditions and provisions laid down in the following orders, resolutions and memorandums are binding on the company.

- a. Government of Maharashtra's Maharashtra Water Resources Regulatory Authority (MWRRA 's Order) Order No.1/2018 dr.11/01/2018
- b. Government of Maharashtra's G.R.No.NI Estt.2017/(159/17)Irrigation Management (Dhoran)Mantralaya Mumbai- 400032 dt.10/10/2017
- c. Chief Engineer Irrigation Department's Dyapan CE (ID) (154/2016) /PI-8 /4989/dt23/11/2017
- d. Any time to revision in order, amendment and Govt. resolution etc.

IN WITNESS WHEREOF THE Common Seal of the Shri Someshwar Sahakari Sakhar Karkhana Ltd., Someshwarnagar, Tal- Baramati, Dist- Pune has been hereunto affixed AND the Executive Engineer, Pune Irrigation Division, has for and on behalf of the Governor of Maharashtra hereto set his hand and affixed the seal of his Office the day and year first herein above written.

THE COMMON SEAL OF Shri Someshwar Sahakari Sakhar Karkhana Ltd., was pursuant to a resolution
Of the Board of Directors of
The company dated the November , 2018


MANAGING DIRECTOR
Shri Someshwar Sahakari Sakhar Karkhana Ltd
Someshwarnagar, Tal. Baramati, Dist-Pune

Hereto affixed in the presence of -

1.  _____

2. _____


Executive Engineer
Shri Someshwar Sahakari Sakhar Karkhana Ltd
Someshwarnagar, Tal. Baramati, Dist-Pune

SIGNED, SEALED AND DELIVERED by the Executive Engineer, Pune Irrigation Division
for and on behalf of the Governor of Maharashtra/MKVDC in the presence of-

1.

2.


सहाय्यक अभियंता श्रेणी २
विंभर पाटबंधरे शाखा निरा


Assistant Engineer (Gr.II)
Nira Irrigation Sub- Division
Nira


(Rajendra Dhodapkar)
Executive Engineer
Pune Irrigation Division
Pune-1.



GOVERNMENT OF INDIA
Ministry of Water Resources, River Development &
Ganga Rejuvenation
Central Water & Power Research Station
Khadakwasla, Pune- 411024



Website: <http://cwprs.gov.in>
Tel: 020 - 24103335

E-mail: krishtuswamy_kumar@yahoo.co.in
Fax: 020-24381004

HYDRAULIC MACHINERY AND CAVITATION DIVISION
FLOWMETER CALIBRATION CERTIFICATE

CERTIFICATE No: CWPRS/HMC/18-19/V- 54

TEST DATE: 11.09.2018

1	Calibration referred by	M/s Acorn Controls, Pune
2	Type of Flow Meter	Insertion Type Ultrasonic Flowmeter
3	Flow meter Make & Model	USFM6C
4	Flow meter Sr. No	J13-01
5	Flow meter size	250 mm
6	Calibration range	45 m ³ /hr to 245 m ³ /hr
7	Volume measurement	Volumetric Method with an uncertainty +/-0.5%
8	Flow media	Clean cold water
9	K - Factor	1.000

RESULTS:

Sr. No.	Reference Flow rate Q in (m ³ /hr)	Test Flow meter flow rate Q _m in (m ³ /hr)	Devintion of flow (Q _m -Q) in (m ³ /hr)	Percentage Error (Q _m -Q) x 100 / Q
1	45.609	45.871	+0.262	+0.574
2	100.546	100.142	-0.404	-0.402
3	141.718	140.801	-0.917	-0.647
4	176.023	176.800	+0.777	+0.441
5	205.124	205.310	+0.186	+0.091
6	242.903	241.360	-1.543	-0.635

TEST PARTICIPANTS


Calibrated by CWPRS Shri T K Sahu, ARO Shri D D Sarsankar, AE	Witnessed by Mr. Yogesh Wajgaonkar, Sr Engineer, Acorn Controls
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REMARKS

- The value of flow volume sensed by the flow meter under test, is within -0.647% to +0.574% of the flow rate measured by the reference standard in range calibrated. Flow was Zero, when there was no flow through pipeline.
- This certificate refers only to the particular flow meter tested under stated condition of measurement on test date and holds good, for the range indicated in the above table.


(Aji S.)
Scientist 'B'




(Dr. K Kumar)
Scientist 'C'



GOVERNMENT OF INDIA
Ministry of Water Resources, River Development &
Ganga Rejuvenation
Central Water & Power Research Station
Khadakwasla, Pune- 411024



Website: <http://cwprs.gov.in>
E-mail: krishnaswamy_kumar@yahoo.co.in

Tel: 020- 24103335
Fax: 020- 24381904

HYDRAULIC MACHINERY AND CAVITATION DIVISION
FLOWMETER CALIBRATION CERTIFICATE

CERTIFICATE No: CWPRS/HMC/19-20/V - 046 TEST DATE: 14.11.2019

1	Calibration referred by	M/s Acorn Controls Pvt. Ltd., Pune
2	Calibrated for	Aqua Innovative Solution, Yerola, Nashik
3	Type of Flow Meter	Invertible Type Ultrasonic Flow meter
4	Flow meter Make & Model	ACORN & USFM 6C
5	Flow meter Sr. No	J13-01
6	Flow meter/line size	250mm
7	Flow range	60 - 250 m ³ /hr
8	Volume measurement	Volumetric Method with an uncertainty +/-0.5%
9	Next calibration due on	14.11.2020
10	Flow media	Clean cold water
11	K - Factor	1.106

RESULTS:

Sr. No.	Reference Flow rate Q in (m ³ /hr)	Test Flow meter flow rate Q _m in (m ³ /hr)	Deviation of flow (Q _m -Q) in (m ³ /hr)	Percentage Error (Q _m -Q) x 100 / Q
1	65.889	65.261	-0.628	-0.953
2	115.134	115.681	+0.547	+0.475
3	151.099	151.910	+0.811	+0.537
4	207.967	209.489	+1.522	+0.732
5	244.601	246.923	+2.322	+0.949

TEST PARTICIPANTS


Calibrated by CWPRS Shri Shobhit Singh, RA	Witnessed by Mr. Yogesh Waigaonkar, Sr Engineer, Acorn Controls P.Ltd.
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REMARKS

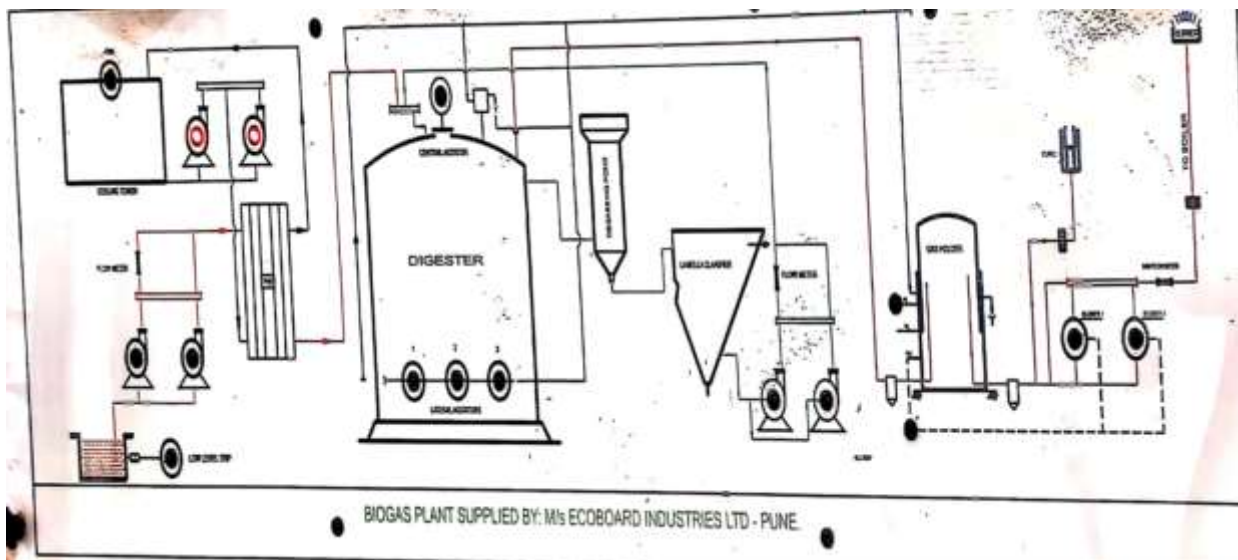
- The value of flow volume sensed by the flow meter under test is within -0.9530% to +0.9490% of the flow rate measured by the reference standard in range calibrated. Flow was Zero, when there was no flow through pipeline.
- This certificate refers only to the particular flow meter tested under stated condition of measurement on test date and holds good for the range indicated in the above table.
- Only the original certificate duly stamped should be considered as authentic.


(K U Farande)
Assistant Research Officer




(Dr. K Kumar)
Scientist 'C'

Annexure VI Photographs of biogas plant



Annexure VIII

NOC accorded by MPCB (CTO)

MAHARASHTRA POLLUTION CONTROL BOARD				
Tel: 24010706/24010437 Fax: 24023516 Website: http://mpcb.gov.in Email: cac-cell@mpcb.gov.in				
		Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022		
RED/L.S.I (R60) No:- Format1.0/CAC/UAN No.MPCB-CONSENT-0000117959/CR - 2112001338		Date: 24/12/2021		
To, Shree Someshwar SSK Ltd .(Distillery unit) 100/101/103,Someshwarnagar, Baramati, Pune.		 Your Service is Our Duty		
Sub: Renewal of consent for 33 KLPD Molasses base Distillery				
Ref: 1. Renewal of Consent granted by the Board vide No. CAC/UAN No. MPCB-CONSENT-0000095192/CR-2012001341 dtd. 30.12.2020. 2. Minutes of CAC Meeting dtd. 03.12.2021.				
Your application No.MPCB-CONSENT-0000117959 Dated 15.07.2021				
For: Consent to Renewal under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:				
1. The consent to renewal is granted for a period up to 31/08/2022				
2. The capital investment of the project is Rs.25.1065 Crs. (As per C.A Certificate submitted by industry (Sugar - 247.31 Cr))				
3. Consent is valid for the manufacture of:				
Sr No	Product	Maximum Quantity	UOM	
Products				
1	Rectified Spirit	990	KL/M	
2	FUSEL OIL	3	KL/M	
Distillery Capacity shall not exceed (Molasses base) 33 KLPD.				
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:				
Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	264	As per Schedule-I	Reboiler followed by Bio-digester followed by Bio-Composting
2.	Domestic effluent	40	As per Schedule-I	On land for irrigation.

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	1	Steam is taken from existing sugar unit.	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

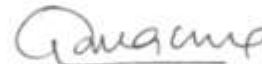
Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	NA	0	--NA--	0	0

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
	NA				

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. This consent is issued pursuant to the decision of the Consent Appraisal Committee Meeting held on 03.12.2021.
11. Industry shall ensure uninterrupted connectivity of OCEMS to Board server directly through data logger.
12. The applicant shall operate pollution control system scientifically to achieve the consented norms.
13. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)

For and on behalf of the
Maharashtra Pollution Control Board.


(Ashok Shingare IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	75000.00	MPCB-DR-7082	21/07/2021	RTGS

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC desk - for record & website updation purposes.

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. Conditions for Trade effluent:

- A) You have provided comprehensive treatment i.e Effluent treatment plant with the design capacity of 300 CMD for trade effluent 264 CMD including Reboiler followed by Bio-digester and Bio-composting on 8 acers land for achieving zero discharge. In no any spent wash shall discharge outside the factory premises/ on land / into stream directly or indirectly.
- B) Industry shall provide CPU for recycle/reuse of treated effluent.
- C) Industry shall install Online Continuous Emission Monitoring System (OCEMS) before 1st Operate and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's Server directly from data logger without any intermediate server.

2. Conditions for Sewage/ Domestic effluent:

- i. You shall provide sewage treatment plant for the treatment of 40 CMD sewage generation due to expansion and provide including disinfection facility.
- ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No	Parameter	Concentration not to exceed(in mg/l except for pH
1.	pH	6.5-9.0
2.	BOD	30
3.	TSS	100

- iii. The sewage shall be treated by using septic tank and soak pit and overflow if any shall be used on-land for gardening/irrigation.

3. Conditions for Aerobic composting:

- i. The spent wash should be stored in impervious tanks. The spent wash tanks should have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation and undertaking given by the company, storage should not exceed 30 days capacity.
- ii. Applicant shall ensure availability of adequate filler material such as press mud, bagasses, agricultural, biological waste as required for effective composting system.

iii. Composted material shall meet the following specifications—

Moisture	30 to 35%
C/N	Below 17
Nitrogen	1.5 to 2%
Phosphorous	1.5 to 2%
Potassium	3 to 4%

- iv. The composting site shall be prepared as per the guideline enclosed. Composting shall be such that it includes mechanical mixing and spraying of spent wash along with mechanical aeration to ensure thorough composting. Hand/ manual spraying of spent wash shall not be permitted.
 - v. The compost leachate (1 gr. of compost mixed with 100 ml. of distilled water and filtered) Filtrate shall conform to the following limit.

pH	Between	Between
BOD 3 days 27 Deg. C	Not to exceed	30 mg/l
 - vi. A pucca leak proof guard pond of 30 days holding capacity as per (i) above shall cope up with the effluent discharge during short term process disturbances. In case of prolonged disturbance in effluent treatment and disposal system, distillery shall be shut down and shall not be restarted without rectifying the system.
 - vii. The composting site/pits shall be made leak proof by proper lining. A catch drain shall be provided around the composting site to collect the storage pond for application on compost depots. Arrangements for overturning of compost material in windrows and spraying of spent wash shall be made to ensure appropriate aeration and uniform distribution of spent wash.
 - viii. In case of composting in open fields, the application of spent wash shall stop by end of April, so that compost is ready and the site is cleared of the composted manure before monsoon (i.e. 31st May). The manure shall be collected and stored on a raised platform with suitable rain cover so that the compost manure is not washed away by rain/runoff.
 - ix. Characteristic of soil, ground water and effect on crop yield should be monitored in the area where compost is used as manure and results thereof shall be compiled and reported in the Environment statement to be submitted every year.
 - x. The test wells shall be provided around the compost site for ground water monitoring. The well water quality has to be maintained at 2006 level.
4. The operation of distillery should be restricted to 270 days in a year and that it will not operate during rainy season.
 5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	238.00
2.	Domestic purpose	45.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	577.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
1	Steam is taken from existing sugar unit	ESP	72	Bagasse	480 MT/Day	0.20	1920.00

2. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------

6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office MPCB.
8. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
9. Industry shall provide Online Continuous Emission Monitoring System (OCEMS) i.e. flow meter and night vision camera to ensure the Zero Liquid Discharge (ZLD) of spent wash and OCEMS for Boiler stack for PM parameter.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	2500000	15 days/extended	Towards compliance of Consent conditions & O & M of pollution control system.	31.08.2022	30.12.2022

BG Forfeiture History

<i>Srno.</i>	<i>Consent (C2E/C2O/C2R)</i>	<i>Amount of BG Imposed</i>	<i>Submission Period</i>	<i>Purpose of BG</i>	<i>Amount of BG Forfeiture</i>	<i>Reason of BG Forfeiture</i>
NA						

BG Return details

<i>Srno.</i>	<i>Consent (C2E/C2O/C2R)</i>	<i>BG Imposed</i>	<i>Purpose of BG</i>	<i>Amount of BG Returned</i>
NA				

**SCHEDULE-IV
General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.

23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

For and on behalf of the
Maharashtra Pollution Control Board.


(Ashok Shingare IAS)
Member Secretary

Annexure IX
CA certificate

Sr. No.	Particulars of Fixed Assets	Rs. in Lakhs
1	Buildings and Road	427.89
2	Plant & Machinery / Equipment	2,034.21
3	Furniture & Fixture	4.47
4	Other Fixed Assets	44.08
	Cost of Acquisition of Total Fixed Assets (of Distillery Plant)	2,510.65

L. M. JOSHI & CO.
CHARTERED ACCOUNTANTS

"Eashkrupa", Road No. 4, Subhashnagar, 1223, Shukrawar Peeth, Pune 411002 ☎ +91 20 24472476 / 24471539
✉ prasanna@lmjoshi.com / shubhada@lmjoshi.com / varun@lmjoshi.com / Nilesh@lmjoshi.com

To:
The Member Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point, Sion (East),
Mumbai 400 022

Sir,

We hereby Certify that the cost of acquisition of fixed assets comprising of the Distillery Plant of Shri Someshwar Sahakari Sakhar Karkhana Ltd, located at Someshwarnagar, Taluka -Baramati, District- Pune, as on 31/03/2021 subject to audit is as under:

For L. M. JOSHI & CO
Chartered Accountants
FRN 104403W



Vmerkar
(Varun V. Merkar)
Partner
M. No. 158088

UDIN: 21158088AAAABP2896




Pune: 9th July, 2021

Annexure X Ground water analysis report



Survey No-1405/06, Mayuri Residency, Shop No-18, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.
Mob.: 8421365421 / 7028089005 | E-mail: gsec12@gmail.com | www.greenenvirosafe.co.in
CIN No. : U74930PN2013PTC148666

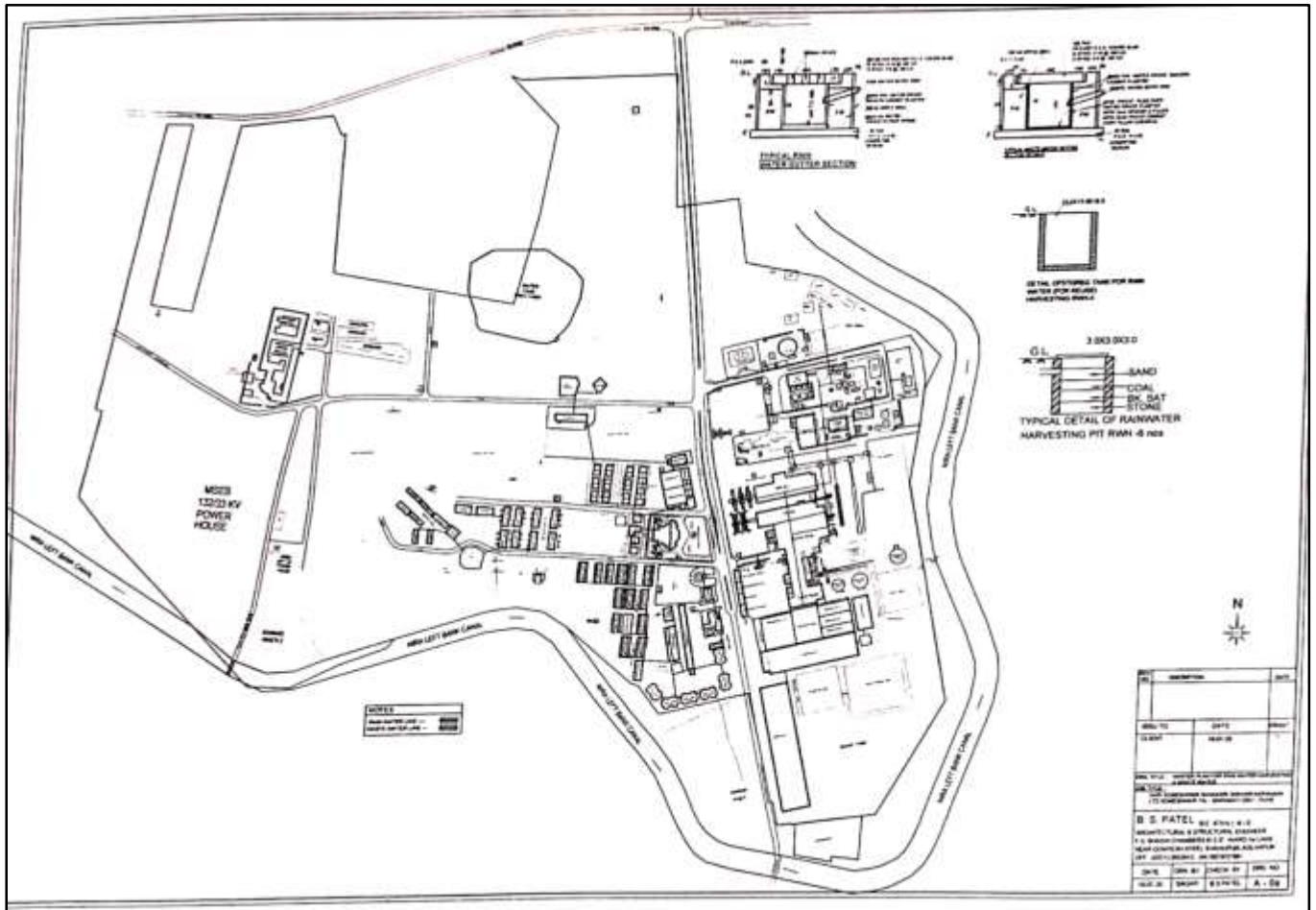
Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001:2015, ISO 45001 : 2018 Certified Company

TEST CERTIFICATE					
Report No: GESEC/PRO/2021-22/11/1137			Date of Report		26/11/2021
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:-Pune, Pune - 412306			Date of Sampling		19/11/2021
			Start Date of Analysis		20/11/2021
			End Date of Analysis		26/11/2021
			Sample Details		Ground Water
			Nature of sample		Liquid
Sample Collected By			GESEC		
WATER ANALYSIS REPORT					
Sr. No.	Parameter	Result	Limit	Unit(s)	Standard Method
Physical Parameter					
1.	Color	Clear	--	Hazen	IS : 3025 (Part 4):2021
2.	Turbidity	<1	<5	NTU	IS : 3025 (Part 10): 2019
3.	TDS	71	--	ppm	IS : 3025 (Part 16):2019
4.	EC	1.9	1300	µS/cm	IS : 3025 (Part 14): 2019
Chemical Parameter					
5.	pH	7.7	6.5 to 8.5	--	APHA 4500 H ⁺ , B, 23 rd Ed. 2019
6.	Total Hardness	187	200	mg/lit	IS : 3025 (Part 21): 2019
7.	Total Alkalinity	269.05	--	mg/lit	IS : 3025 (Part 23): 2019
8.	Sulphate	24.19	25	mg/lit	IS : 3025 (Part 24): 2019
9.	Chloride	21.56	25	mg/lit	IS : 3025 (Part 32): 2019
10.	Calcium (as Ca)	5.23	250	mg/lit	IS : 3025 (Part 40): 2019
11.	Magnesium	14.7	<30	mg/lit	APHA 3500Mg, B, 23 rd Ed. 2019
12.	Fluoride	<1.0	1.5	mg/lit	IS : 3025 (Part 60): 2019
13.	Nitrate	75	10	mg/lit	IS : 3025 (Part 34): 2019
14.	Residual Chlorine	BDL	<0.2	mg/lit	IS : 3025 (Part 26): 2019
Elemental Analysis					
15.	Iron as Fe	<0.04	0.3	mg/lit	AAS Method
16.	Lead	<0.03	0.05	mg/lit	AAS Method
Microbiological Parameter					
15.	Total Coliform	Absent	Absent	MPN/100ml	IS 1622:1981
16.	E.coli.	Absent	Absent	MPN/100ml	IS 1622:1981
ANALYZED BY-			AUTHORIZED SIGNATORY-		
					
					


Terms and conditions:

1. The report is refer only to the sample tested and not applied 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 public's purpose without the written consent of laboratory, GESEC.
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India. From date: 09/02/2017 to 08/02/2022.

Annexure XI Layout of rainwater harvesting



Annexure XII
Photographs of the health checkup programme



श्री सोमेश्वर सहकारी साखर कारखाना लि.,

सोमेश्वरनगर ता. बारामती, जि. पुणे (महाराष्ट्र) पिन ४१२ ३०६
सोमेश्वर : (०२११२) २८२१५०, २८२४७६, २८२४७७
E-mail : someshwarsakhar@gmail.com

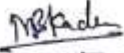
ग्राम : सोमेश्वर (एस् डब्ल्यू आर)
Website : www.someshwarsakhar.com

जा.नं.:जीईएन/२९९/२०२१-२०२२

दि. ९/०९/२०२१

दाखला

दाखला देण्यात येतो की, श्री सोमेश्वर सहकारी साखर कारखाना लि., सोमेश्वरनगर यांचे सोमेश्वर कामगार दवाखाना विभागामार्फत कारखान्यातील अधिकारी व कामगार यांचे मोफत 'हेल्थ चेकअप शिबीर' दिनांक ०३/०६/२०२१ रोजी घेण्यात आले असून सदर हेल्थ चेकअप शिबीराचा लाभ सर्व अधिकारी व कामगारांनी घेतला आहे.


Medical Officer
Shri Someshwar Sahakar Sakhar Karkhana Lt.
(R N 222645)

लायसेन्स नं. : एल् २५ - एन् ३९/६१ दि. १६-३-६१ व सीआयएल् २०९(८८) दि. ७-९-८८ रजि.नं. जी.२८१ दि. २०-६-६०
व्हॅट टिन - २७७३०३४५४०० वि. दि. १-४-२००६ सी.एस.टी.टिन - २७७३०३४५४०० सी.टी. २७७३०३४५४००



Annexure XIV Ambient air quality analysis reports

	GREEN ENVIROSAFE Engineers & Consultant Pvt Ltd.	Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208. Mob.: 8421365421 / 7028089005 E-mail: gesecc12@gmail.com www.greenenvirosafe.co.in CIN No. : U74900PN2013PTC149666		
Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001:2015, ISO 45001 : 2018 Certified Company				
TEST CERTIFICATE				
Report No: GESEC/PRO/2021-22/11/1129	Date of Report	26/11/2021		
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:- Pune, Pune - 412306	Date of Sampling	19/11/2021		
	Start Date of Analysis	20/11/2021		
	End Date of Analysis	26/11/2021		
	Sample Details	Ambient Air		
	Sample Location	Project Site (Sugar)		
	Time of Sampling	11:15		
Sample Collected By	GESEC			
Ambient Air Analysis Report				
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	64	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	21.2	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	24.5	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	59.5	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	25.5	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.49	mg/M ³	≤ 04
11.	Ozone(O ₃)	<10.1	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	<5.1	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20
Remark- ➤ All above results are within National Ambient Air Quality standards. ➤ BDL – Below Detectable Limit.				
ANALYZED BY- 		AUTHORIZED SIGNATORY 		
				
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TEST CERTIFICATE

Report No: GESEC/PRO/2021-22/11/1130	Date of Report	26/11/2021
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:- Pune, Pune - 412306	Date of Sampling	19/11/2021
	Start Date of Analysis	20/11/2021
	End Date of Analysis	26/11/2021
	Sample Details	Ambient Air
	Sample Location	Project Site (Co.gen)
	Time of Sampling	12:00
Sample Collected By	GESEC	

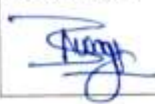
Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	64	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	19.3	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	28.5	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	62.1	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	21.7	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.46	mg/M ³	≤ 04
11.	Ozone(O ₃)	<10.7	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	<5.4	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

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Report No: GESEC/PRO/2021-22/11/1131	Date of Report	26/11/2021
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:- Pune, Pune - 412306	Date of Sampling	19/11/2021
	Start Date of Analysis	20/11/2021
	End Date of Analysis	26/11/2021
	Sample Details	Ambient Air
	Sample Location	Project Site (Distillery)
	Time of Sampling	12:00
Sample Collected By	GESEC	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	64	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	18.9	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	27.7	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	60.4	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	22.8	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.43	mg/M ³	≤ 04
11.	Ozone(O ₃)	<10.3	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	<5.3	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

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Report No: GESEC/PRO/2021-22/11/1132	Date of Report	26/11/2021
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:- Pune, Pune - 412306	Date of Sampling	19/11/2021
	Start Date of Analysis	20/11/2021
	End Date of Analysis	26/11/2021
	Sample Details	Ambient Air
	Sample Location	Waghalwadi
	Time of Sampling	12:00
Sample Collected By	GESEC	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	64	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	15.8	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	24.6	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	63.5	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	19.6	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.47	mg/M ³	≤ 04
11.	Ozone(O ₃)	<9.8	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	<5.1	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

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Report No: GESEC/PRO/2021-22/11/1133	Date of Report	26/11/2021
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:- Pune, Pune - 412306	Date of Sampling	19/11/2021
	Start Date of Analysis	20/11/2021
	End Date of Analysis	26/11/2021
	Sample Details	Ambient Air
	Sample Location	Wanewadi
	Time of Sampling	12:00
Sample Collected By	GESEC	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	64	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	19.3	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	26.8	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	61.9	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	20.6	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.48	mg/M ³	≤ 04
11.	Ozone(O ₃)	<10.5	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	<5.7	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

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Report No: GESEC/PRO/2021-22/11/1134	Date of Report	26/11/2021
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:- Pune, Pune - 412306	Date of Sampling	19/11/2021
	Start Date of Analysis	20/11/2021
	End Date of Analysis	26/11/2021
	Sample Details	Ambient Air
Sample Location	Sadobachiwadi/Potewasti	
Time of Sampling	12:00	
Sample Collected By	GESEC	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	64	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	17.9	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	32.7	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	64.2	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	25.8	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.50	mg/M ³	≤ 04
11.	Ozone(O ₃)	<10.3	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	<5.4	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

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Report No: GESEC/PRO/2021-22/11/1135	Date of Report	26/11/2021
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:- Pune, Pune - 412306	Date of Sampling	19/11/2021
	Start Date of Analysis	20/11/2021
	End Date of Analysis	26/11/2021
	Sample Details	Ambient Air
	Sample Location	Back Side Of Company
	Time of Sampling	12:00
Sample Collected By	GESEC	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	26	°C	
2.	Dry Bulb Temperature	26	°C	
3.	Wet Bulb Temperature	25	°C	
4.	Relative Humidity	64	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	20.4	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	27.5	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	66.2	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	21.7	µg/M ³	≤ 60
10.	Carbon Monoxide (CO)	0.46	mg/M ³	≤ 04
11.	Ozone(O ₃)	<10.9	µg/M ³	≤ 180
12.	Lead (Pb)	BDL	µg/M ³	≤ 1.0
13.	Ammonia(NH ₃)	<5.6	µg/M ³	≤ 400
14.	Benzene(C ₆ H ₆)	BDL	µg/M ³	≤ 05
15.	Benzo(a)Pyrene(BaP)	BDL	ng/M ³	≤ 01
16.	Arsenic(As)	BDL	ng/M ³	≤ 06
17.	Nickel(Ni)	BDL	ng/M ³	≤ 20

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

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Annexure XV
Photographs of acoustic hoods & Noise monitoring report



Acoustic hoods

Noise monitoring report

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TEST CERTIFICATE				
Report No: GESEC/PRO/2021-22/11/1136		Date of Report	26/11/2021	
Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:-Pune, Pune - 412306		Date of Sampling	19/11/2021	
		Sample Details	Ambient Noise	
Sample Collected By		GESEC		
Ambient Noise Monitoring Report				
Sr. No.	Location	Result dB(A) Day	Unit	MPCB Limit
1.	Project Site (Sugar)	69.2	dB (A)	During Day time=75/70 dB(A) During Night time 70dB(A)
2.	Project Site (Co.gen)	63.2		
3.	Project Site (Distillery)	53.7		
4.	Waghalwadi	54.3		
5.	Wanewadi	57.8		
Remark- ➤ Limits: Maharashtra Pollution Control Board has prescribed 70 dB (A) as an upper limit of Noise Level during day time and 75dB (A) during night time.				
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Annexure XVI

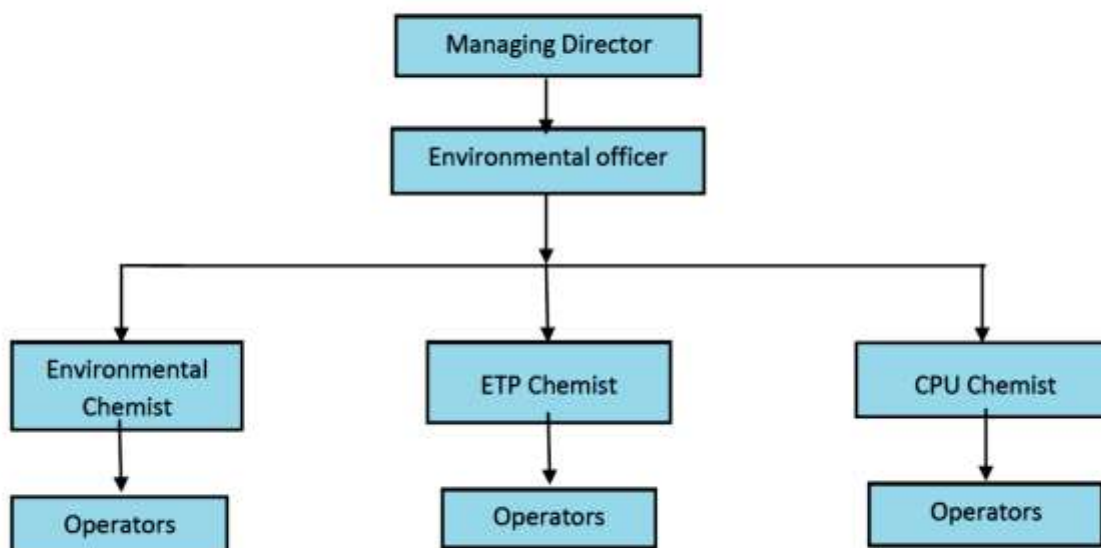
Details of online monitoring system



Annexure XVIII Details of Environment management cell

Environment Management Cell structure

Particulars	Number
Managing Director	One
Environmental Officer	One
Environmental Chemist	One
ETP Chemist	One
CPU Chemist	One
Operator	Eight



Schematics of Environment Management cell (EMC)