

Compliance Report of Environmental Clearance of 18 MW Cogeneration 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

Government of Maharashtra

SEAC-2009/CR 22/TC2
Environment Department
Room No. 217, 2nd floor
Mabtralaya Avenue,
Mumbai 400 032
Dated: 3rd November, 2009

To,
Shree Someshwar Sahakari Sakhar Karkhana Ltd
Someshwarnagar, TAL: Baramati
Dist - Pune, Maharashtra

Sub : Bagasse based 18 MW Cogeneration power plant at Someshwar Nagar, Tal - Baramati, Dist - Pune - Environmental clearance regarding.

Sir,

This has reference to your communication no. 297 dated 25th April, 2009 on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee in its 18th meeting & recommended for prior Environment Clearance to State Level Environment Impact Assessment Authority (SEIAA). Proposal was considered by State Level Environment Impact Assessment Authority in its 15th meeting.

2. It is noted that the proposal is for grant of environmental clearance for Bagasse based 18 MW Cogeneration power plant at Someshwar Nagar, Tal - Baramati, Dist - Pune

Project information from documents submitted by you & considered by SEAC & SEIAA is summarized as below:

Project - Bagasse based 18 MW Cogeneration power plant

Project Proponent: M/s. Someshwar Sahakari Sakhar Karkhana Ltd.,

Project Land: 4 acer
Estimated cost of the project: Rs. 86.54 Cr

Power Generation: 18 MW co-generation
Raw material: Bagasse - 964.8 MT/day and cane trash (oil season)

Water requirement: 160 CMD. Effluent generated : 892.5 M3/day

Solid Waste Generation:
Total fly ash generated: 28.8 TPD
Disposal: Ash will be mixed with press mud and used as manure
Spent oil: 0.2 T A. Disposal: It will be send to authorized recyclers.

[Handwritten signature]

Green belt area: 33% of Total open land; Total 500 plants shall be planted per year in addition to existing 1500 plants shall be planted.

Air pollution control measures:

Electrostatic precipitator will be installed to reduce dust emission level
RCC Chimney is of the height 70 meters.

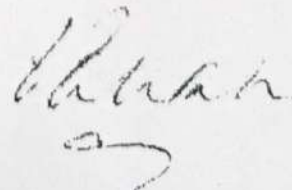
Environmental Management Plan:

Construction phase: Capital cost -Rs. 4.65 Crores

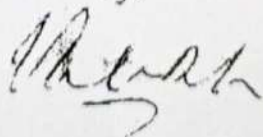
Operation phase: Capital cost -Rs. 0.50 Crores

5. The proposal has been considered by SEIAA in its 15th meeting dated on 31st October, 2009 & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-

- (i) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site
- (ii) No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
- (iii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (iv) No fuel other than mentioned above including coal shall be used without obtaining proper permission.
- (v) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (vi) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (vii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (viii) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (ix) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (x) The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1986
- (xi) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO Agriculture Dept.
- (xii) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning




- (xviii) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xix) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xx) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.
- (xxi) The company shall undertake following Waste Minimization Measures
- Metering of quantities of active ingredients to minimize waste.
 - Reuse of by-products from the process as raw materials or as raw material substitutes in other process.
 - Maximizing Recoveries.
 - Use of automated material transfer system to minimize spillage.
 - Use of "Closed Feed" system into batch reactors.
- (xxii) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xxiii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxiv) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxv) The coal will be transported through closed containers.
- (xxvi) Proper coal handling, transportation and handling system should be as per plan approved by MPCB.
- (xxvii) Separate silos will be provided for collecting and storing bottom ash and fly-ash.
- (xxviii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (xxix) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been recorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://envis.maharashtra.gov.in>
- (xxx) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (xxxi) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xxxii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack



emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

- (xxviii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xxix) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- (xxx) The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.
4. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter for any other administrative reason.
 5. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations by the power plant.
 6. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
 7. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.


(Valsa R Nair Singh)
Secretary, Environment
department & MS. SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.), Chairman, SEIAA, 502, Charleville, 'A' Road, Churchgate, Mumbai- 400 020, Maharashtra.

2. Shri. P.M.A. Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerala.
3. The Secretary, Energy department, Govt. of Maharashtra, Mantralaya, Mumbai - 400032, Maharashtra.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Pune
7. Collector, Pune
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodi Road, New Delhi-110003.
9. Director (TC-1), Dy. Secretary (TC-2), Scientist-1, Environment department
10. Select file (TC-3)

18 MW Cogeneration Plant EC Compliance Report

#	Conditions	Compliance
1	“Consent for Establishment” shall be obtained from MPCB under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	Complied. Factory continuously renew the Consent to operate. Refer Annexure I for consent to Operate.
2	No land development/construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	Noted and shall followed.
3	No additional land shall be used/ acquired for any activity of the project without obtaining proper permission.	Noted and shall followed.
4	No fuel other than mentioned above including coal shall be used without obtaining proper permission.	Noted.
5	For controlling fugitive natural dust regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	Complied. Annexure II shows photographs of Sprinkling water system to control fugitive dust.
6	Regular monitoring of the air quality, including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with MPCB & submit report accordingly to MPCB.	Annexure III for the analysis reports of the ambient air quality in the upwind and downwind direction villages/residential areas of the unit.
7	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complied. Layout of rain water harvesting attached in Annexure IV
8	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to MPCB.	Monthly Ground water monitoring during season will be undertaken and trend analysis will done. Analysis reports enclosed as Annexure V
9	Leq Noise level shall be maintained as per standards. For people working in the high noise area requisite personal protective equipment like earplugs etc. shall be provided.	Annexure VI shows photographs earplugs and other safety equipment’s
10	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection Act, 1986 rules,	The industry is maintaining ambient noise levels by using acoustic hoods, silencers etc. for noise control and also conducts noise monitoring. Analysis reports enclosed as Annexure VII



	1989).	
11	Green belt shall be developed & maintained around the palm periphery, Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture dept.	Complied. Annexure VIII shows green belt development plan around the plant.
12	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed as strategic places for early detection and warning.	Complied. The factory has taken adequate safety measures. It has developed safety policy. In addition it has provided safety pressure valve to devises for prevent leakages. Safety precautions are taken as per norms. Refer Annexure IX for safety policy and photographs of pressure valve.
13	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Complied. The company organizes health check-up programme. Annexure X shows photographs of the health checkup programme organized by the factory.
14	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Complied. Factory uses bagasse as a fuel so firefighting system/equipment's are installed properly. Factory has taken adequate safety measures, Firefighting system installed as per the norms, also Safety precautions are taken as per norms. Refer Annexure XI for plant layout of firefighting system and photographs of firefighting system/equipment's in bagasse yard.
15	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.	Complied. Factory uses bagasse as a fuel and bagasse ash is usually rich in potash. Hence it is mixed with biocompost and sold to the farmers.
16	The company shall undertake following waste minimization measures. a. Metering of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw materials substitutes in other process. c. Maximizing recoveries d. Use of automated material transfer system to minimize spillage e. Use of "Closed feed" system into batch reaction.	Complied and will follow.
17	Regular mock drills for the on-site emergency	Complied. The on-site emergency management

	management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.	plan along with mock drill photographs are enclosed as Annexure XII
18	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	The factory has constituted environment management cell with suitably qualified staff to carry out various functions of the environment management. Refer Annexure XIII for details of Environmental management cell
19	Transportation of ash will be through closed containers and all measures should be taken to prevent spillage of the ash.	Complied. Photographs of ash container attached as Annexure XIV
20	The coal will be transported through closed containers.	Noted and shall followed.
21	Proper coal handling, transportation and handling system should be as per plan approved by MPCB.	Transportation of ash will be through closed containers and all measures should be taken to prevent spillage of the ash.
22	Separate silos will be provided for collecting ash and storing bottom ash and fly ash.	Silos will be provided for collecting ash and storing bottom ash and fly ash. Annexure XV shows photographs of silos.
23	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Complied. Fund of Rs. 970 lakhs approx. as capital cost were allocated for implementation of measures recommended in EC and consent and the recurring cost for the same is Rs. 87 lakhs per annum approx. for details breakup of EMP budget please refer Annexure XVI . The funds earmarked for the environment protection measures shall not be diverted for other purposes.
24	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	Noted.
25	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.	Noted.
26	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from	Noted, and the Environment clearance letter uploaded website is https://www.someshwarsakhar.com/assets/files/EC

	whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Certificate Someshwar.pdf
27	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted.
28	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Noted and shall followed
29	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied. The Environment statement report for financial year 2020 as attached as Annexure XVII
30	The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.	Noted.
31	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other	Noted.

	administrative reason.	
32	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.	Noted.
33	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any	Noted.
34	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Noted.

Annexure I
Consent to operate of Sugar and Co-gen. unit

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																								
No:- Format1.0/CAC/UAN No.MPCB-CONSENT-0000117943/CO - 212001157		Date: 22/12/2021																								
To, Shree Someshwar Sahakari Sakhar Karkhana Ltd. 101,102 & 103,Someshwarnagar, Baramati, Pune.		 Your Service is Our Duty																								
Sub: Renewal of Consent for Sugar unit 5500 TCD & 18 MW Co-generation																										
Ref: 1. Renewal of Consent granted by the Board vide No. CAC/UAN No. MPCB-CONSENT-0000095172/CR-2012001347dtd. 30.12.2020. 2. Minutes of CAC Meeting dtd. 03.12.2021.																										
Your application No.MPCB-CONSENT-0000117943 Dated 21.07.2021 For: grant of Consent to Operate 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 Operate is granted upto: 31.07.2022 2. The capital investment of the industry is Rs.273.0549 Crs. (As per C.A Certificate submitted by industry). 3. Consent is valid for the manufacture of:																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sr No</th> <th>Product</th> <th>Maximum Quantity</th> <th>UOM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sugar</td> <td>18000</td> <td>MT/M</td> </tr> <tr> <td>2</td> <td>Bagasse</td> <td>52289</td> <td>MT/M</td> </tr> <tr> <td>3</td> <td>Molasse</td> <td>6500</td> <td>MT/M</td> </tr> <tr> <td>4</td> <td>Pressmud</td> <td>6500</td> <td>MT/M</td> </tr> <tr> <td>5</td> <td>Electric Power</td> <td>18</td> <td>MW</td> </tr> </tbody> </table>			Sr No	Product	Maximum Quantity	UOM	1	Sugar	18000	MT/M	2	Bagasse	52289	MT/M	3	Molasse	6500	MT/M	4	Pressmud	6500	MT/M	5	Electric Power	18	MW
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5	Electric Power	18	MW																							
(The cane crushing capacity of Sugar Industry shall not exceed 5500 TCD.)																										
4. Conditions under Water (P&CP) Act, 1974 for discharge of effluent:																										
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5. **Conditions under the Air (P& CP) Act, 1981 for air emissions:**

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	Boiler (100 TPH)	1	As per Schedule -II
2	Boiler (40 TPH)	1	As per Schedule -II

(As per previous consent of existing unit)

6. **Conditions about Non Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Fly ash & Boiler ash	28.8	MT/Day	--	sale to bricks manufacturer
2	ETP Sludge	3	MT/A	--	Used as manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2008 for treatment and disposal of hazardous waste:**

Sr No	Type of Waste	HW Category.	Quantity & UoM	Treatment	Disposal
1	5.1 Used or spent oil	5.1	0.6 MT/A	Recycle	Sale to Authorized recycler.

The applicant shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.

a. The applicant shall properly collect, transport & regularly dispose of the hazardous waste to CHWTSDF, in compliance of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and keep proper manifest thereof.

8. The Board reserves the right to review, amend, suspend, revoke etc. 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. Industry shall connect online CMS data as per CPCB guidelines to CPCB & MPCB Servers.
11. Industry shall stop production activity voluntarily in case of failure of operation and maintenance of the ETP system as preventive measures.
12. This consent is issued as per the Consent Appraisal Committee meeting dated 03.12.2021.
13. The applicant shall submit proposal towards upgradation/improvement plan of ETP within a month and same shall be implemented within next 3 months so as to achieve consented norms.
14. The applicant shall install CPU within period of 06 month and submit BG of Rs. 5 Lakh towards the same.
15. The applicant shall ensure uninterrupted connectivity of OCEMS to Board server directly through data logger.

16. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.

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	546110.00	MPCB-DR-7078	21/07/2021	RTGS
2	50000.00	MPCB-DR-8711	09/11/2021	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) A) As per your application, you have provided Effluent treatment plant of designed capacity 1000 CMD consisting of Primary, secondary & tertiary system for trade effluent 850 CMD and treated effluent is used on land for irrigation. In no case effluent shall discharge into stream directly or indirectly.
- B) Industry shall provide CPU for recycle/reuse of treated effluent.
- C) The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	5.5-9.0
(2)	Oil & Grease	10
(3)	BOD (3 days 27 ^o)	100
(4)	Sulphate	1000
(5)	Suspended Solids	100
(6)	COD	250
(7)	Chloride	600
(8)	Total Dissolved Solids	2100

- D) The treated effluent 350.00 CMD shall be disposed on land for irrigation on 85.00 hectares of own land /as per the bilateral agreement with farmers. In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly.
- E) Industry shall operate Online Continuous Emission Monitoring System (OCEMS) and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's server directly through the data logger without any intermediate server.
- F) Trade effluent of 500.00 CMD generated from Co-gen shall be 100% recycle in process.
- G) CREP conditions for Sugar Factory
- Operation of ETP shall be started at least one month before starting of cane crushing to achieve desired MLSS. So as to meet prescribed standards from day one the operation of mill.
 - Waste water generation shall be reduced to 100 liters per tone of cane crushed.
 - Industry shall achieve zero discharge into in land surface water bodies.
 - 15 days' storage capacity tank shall be provided for treated effluent to take care during no demand for irrigation.

H) Industry to make necessary arrangement to cover the effluent collection system and to avoid the ingress of Bagasse and other material.

I) The unit shall operate ETP even after completion of the crushing season so that any effluent generated during washing & maintenance activity is to be discharged after proper treatment.

J) The unit shall optimize water use in industrial process & maintain records.

2) **A) As per your application, you have provided STP design capacity of 150 CMD for the treatment of 125.00 CMD sewage.**

B) The applicant shall operate sewage treatment system to treat sewage so as to achieve the following standards/ prescribed under EP Act 1986 and rules made under time to time, whichever is stringent.

1	Suspended Solids	Not to exceed	100 mg/l
2	BOD 3 days (27°C)	Not to exceed	100 mg/l

C) The treated sewage shall be 100% reused/recycled for gardening purpose within premise. In no any case, sewage shall find its way outside Company's premises.

3) The industry shall have bilateral agreement with the farmers on whose land the treated effluent is used for irrigation purposes and a copy of the agreements with validity shall be submitted to the Regional/Sub- Regional Office of the Board.

4) The industry shall create 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.

5) **CONDITIONS FOR MOLASSES STORAGE:**

(i) The molasses shall be properly collected and stored in steel tanks which shall be leak proof. At no stage of handling of molasses, there shall be leakage or spillage.

(ii) The capacity of tanks for storage of molasses shall be such that it will take care of bumper production of sugar, non-lifting of molasses etc.

(iii) All the area on which molasses are stored and handled should be provided with drain for diverting the spills to the treatment plant/ molasses tank. Suitable arrangements for accidental discharges of molasses from the tanks shall be provided to contain the same within factory premises.

(iv) Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorized officer of the Board. Intimation of intention to destroy or dispose of the molasses shall be given to the Board at least 15 (fifteen) days in advance by registered post under intimation to the Sub-Regional officer and Regional officer of the Board under whose jurisdiction the factory is situated.

(v) The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The tanks size and capacity per cm, height, total capacity in tonnes shall be displayed prominently near /on the tank.

(vi) The above conditions shall be in addition to and not in derogation of the provisions contained in the "Bombay Molasses Rules, 1955" and "Maharashtra Molasses Storage and Supply Regulation, 1965".

- 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 / CREP guidelines if applicable.
- 7) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & 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.
- 8) 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.
- 9) 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	3236.00
2.	Domestic purpose	155.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	600.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Grandening	0

- 10) 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/ CREP guidelines.

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) and observe the following fuel pattern-

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
1	Boiler	ESP	72	Bagase	960 MT/Day	0.20	3840.00
2	Boiler	Wet Scrubber	35	Bagase	480 MT/Day	0.20	1920.00
3	DG Set - 750 KVA	Accoustic Enclosure	5	Diesel	100 Lit/Day	1.00	2.00
4	D G SET - 750 KVA	Accoustic Enclosure	5	Diesel	100 Lit/Day	1.00	2.00

(As per previous consent of existing unit)

2) The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

1 The Applicant shall provide ESP/ Bag filter/ Wet scrubber to the Bagasse fired boiler and Dust Collector to Sugar bagging section as an Air Pollution control equipments OR as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.

2 The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

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

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 Industry should not use auxiliary fuel more than 15 % (as per amendment in EIA Notification 2009, power plant upto 15 MW based on Bio-mass and using auxiliary fuel as coal upto 15% are exempt.) as co-gen capacity is below 15 MW.

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).

**SCHEDULE-III
Details of Bank Guarantees:**

Sr. No.	Consent(C2E/C 2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	2500000	15 Days/ Extend	Towards compliance of Consent conditions & O & M of pollution control system.	31.07.2022	30.11.2022
2	C to R	500000	15 days	Towards provision of CPU within 6 Months period.	31.07.2022	30.11.2022

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						

SCHEDULE-IV

General Conditions:

- 1 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.
- 2 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.
- 3 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 equipment, the production process connected to it shall be stopped.
- 4 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.
- 5 The firm shall submit to this office, the 30th day of September every year, the Environmental 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.
- 6 The industry should comply with the Hazardous & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 7 An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 8 The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 9 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.
- 10 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.
- 11 The industry shall submit official e-mail address and any change will be duly informed to the MPCB.

- 12 Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 13 The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the H&OW(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.
- 14 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).
- 15 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.
- 16 Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
17. 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.
- 18 The industry should not cause any nuisance in surrounding area.
- 19 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.
- 20 The applicant shall maintain good housekeeping.
- 21 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.

- 22 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 equipment 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.
- 23 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.
- 24 The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

For and on behalf of the
Maharashtra Pollution Control Board.

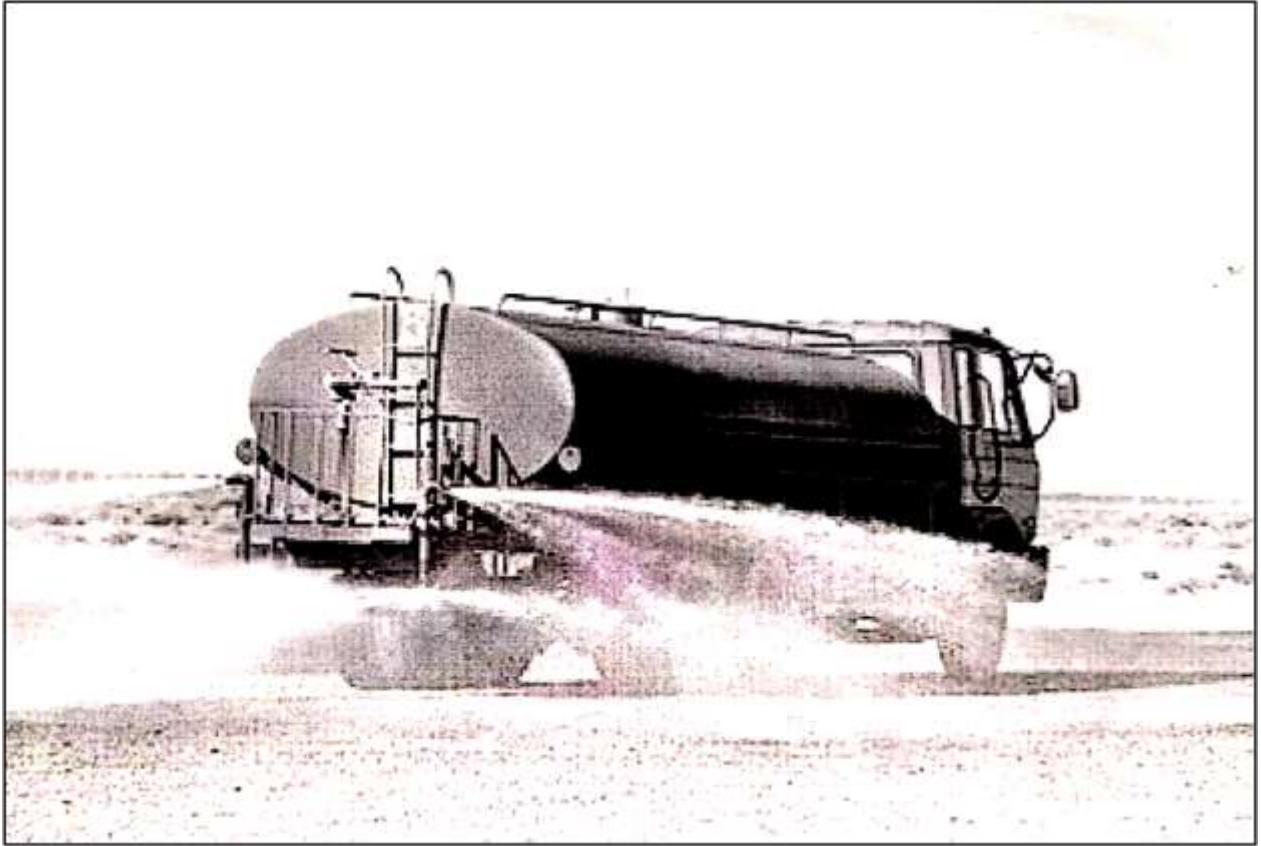

(Ashok Shingare IAS),
Member Secretary




Annexure II

Water sprinkling system to control fugitive dust

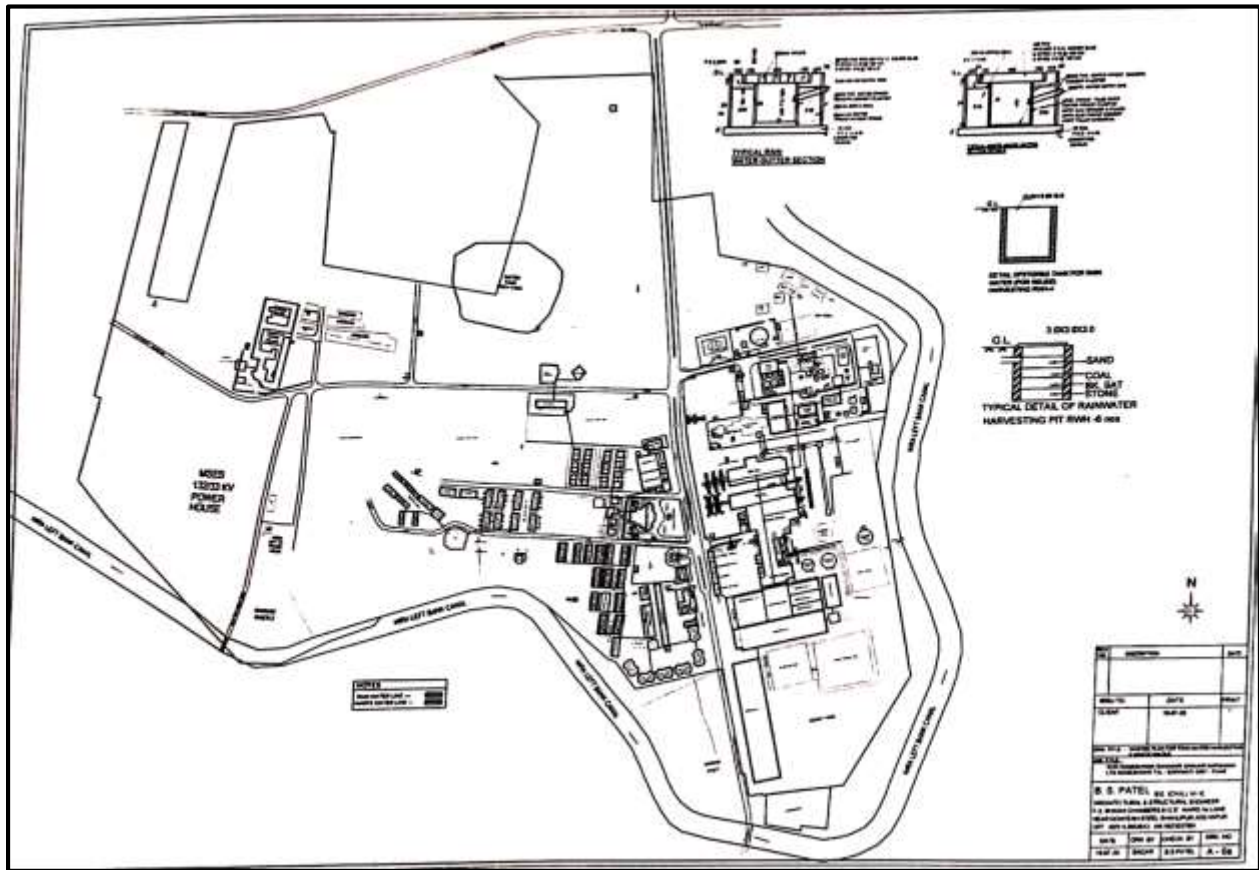
For controlling fugitive natural dust regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant.



Annexure III Ambient air quality report

 GREEN ENVIROSAFE Engineers & Consultant Pvt Ltd.	Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208. Mob : 8421365421 / 7026069005 E-mail: gesec12@gmail.com www.greenenvirosafe.co.in CIN No. : U74900PN2013PTC149686			
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 Name of Clients & Address: Shri. Someshwar S.S.K. Limited Someshwarnagar. Tal:- Baramati Dist:- Pune, Pune - 412306	Date of Report 26/11/2021 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 AirAnalysis 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		
		 		
Terms and conditions 1. The report is refer only to the sample tested and not applies to the bulk. 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, 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 IV Layout of rain water harvesting



Annexure V

Monitoring report of ground water



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/2021-22/11/1137			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	
Sample Collected By			GESEC	Nature of sample	
				Liquid	
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 applies to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, 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.

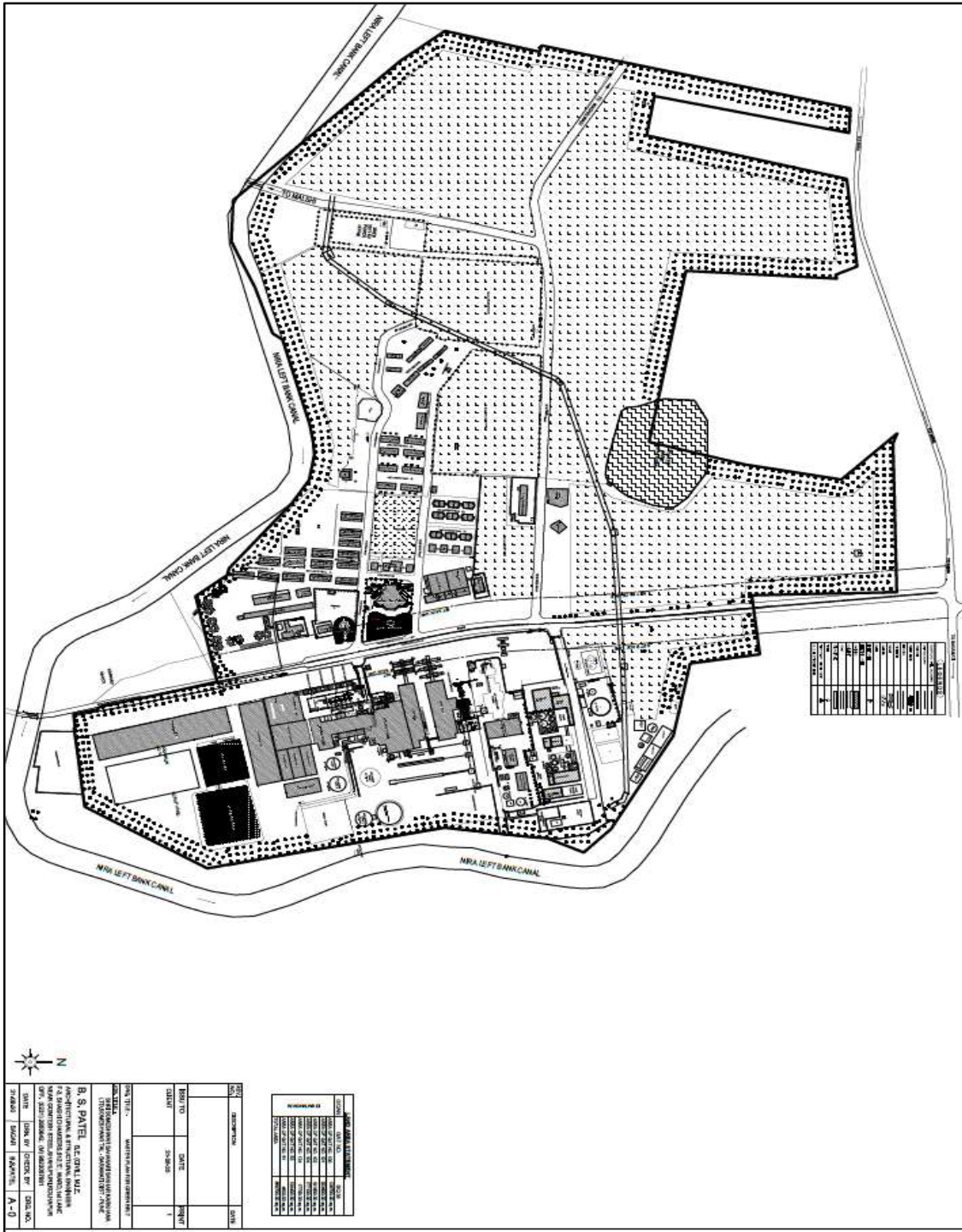
Annexure VI Photographs earplugs



Annexure VII Monitoring report of Noise

		Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Sai-Shirur, Pune-412208. Mob : 9421365421 / 7028089005 E-mail: gesec12@gmail.com www.greenenvirosafe.co.in Engineers & Consultant Pvt Ltd. CIN No. : U74900PN2013PTC149688	
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/2021-22/11/1136		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	MPCB Limit
1.	Project Site (Sugar)	69.2	Unit 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.			
ANALYZED BY-		AUTHORIZED SIGNATORY	
			
			
Terms and conditions 1. The report is refer only to the sample tested and not applies to the bulk. 2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc. 3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, 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 VIII Greenbelt Layout



Annexure IX

Safety policy and photographs of pressure valve

Safety Policy in Someshwar S.S.K.Ltd.,

- 1) Karkhana Hospital available with Medical Officer. If large injury if any person sent to Baramati City's Baramati Hospital.
- 2) All persons entry in Karkhana Gate Temperature of head checked by IR forehead thermometer.
- 3) All persons are compulsory entry through Fogging System of Chemical Sanitizer. The system is installed at Sugar Factory Main Gate and Office Building Gate.
- 4) All persons hands are flushed by Sanitizer on Gate and then entered in.
- 5) All persons are given Mask and without Mask No Entry through Gate.
- 6) All workers taking care to work in Social Distance.
- 7) Karkhana Area cleaning process in daily routine. First Aid Kit available in all depts.
- 8) All karkhana area spread by Disinfectant chemical like Sodium Hypochloride.
- 9) All workers are healthy.
- 10) R.O. Drinking Water available to all employees.

Safe operating training is given to every employees. Personal Protective Equipments like Safety Helmet, Safety Shoes, Safety Goggles, Safety Handgloves, Safety belt are available to employees.

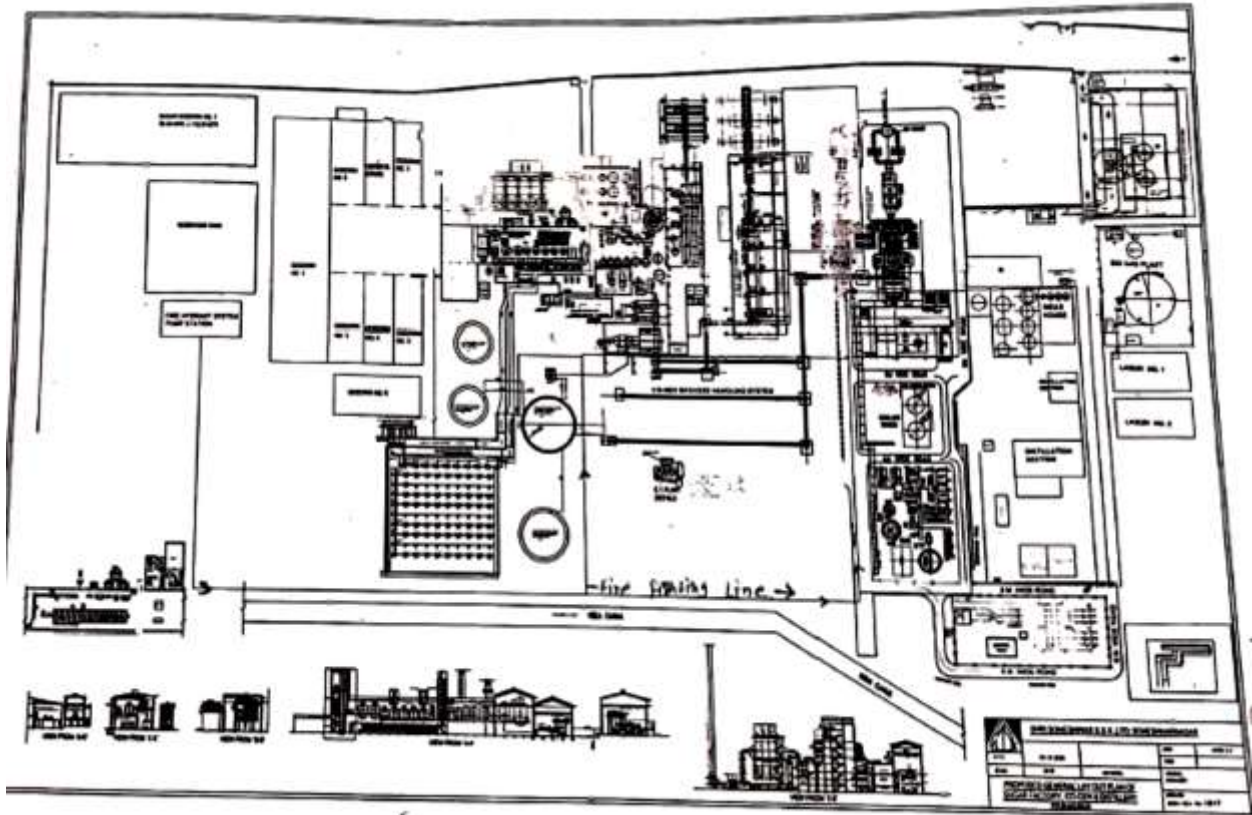




Annexure X Health checkup programme organized by the factory



Annexure XI Layout of Fire-fighting system



Annexure XII

On-site emergency management plan along with mock drill photographs



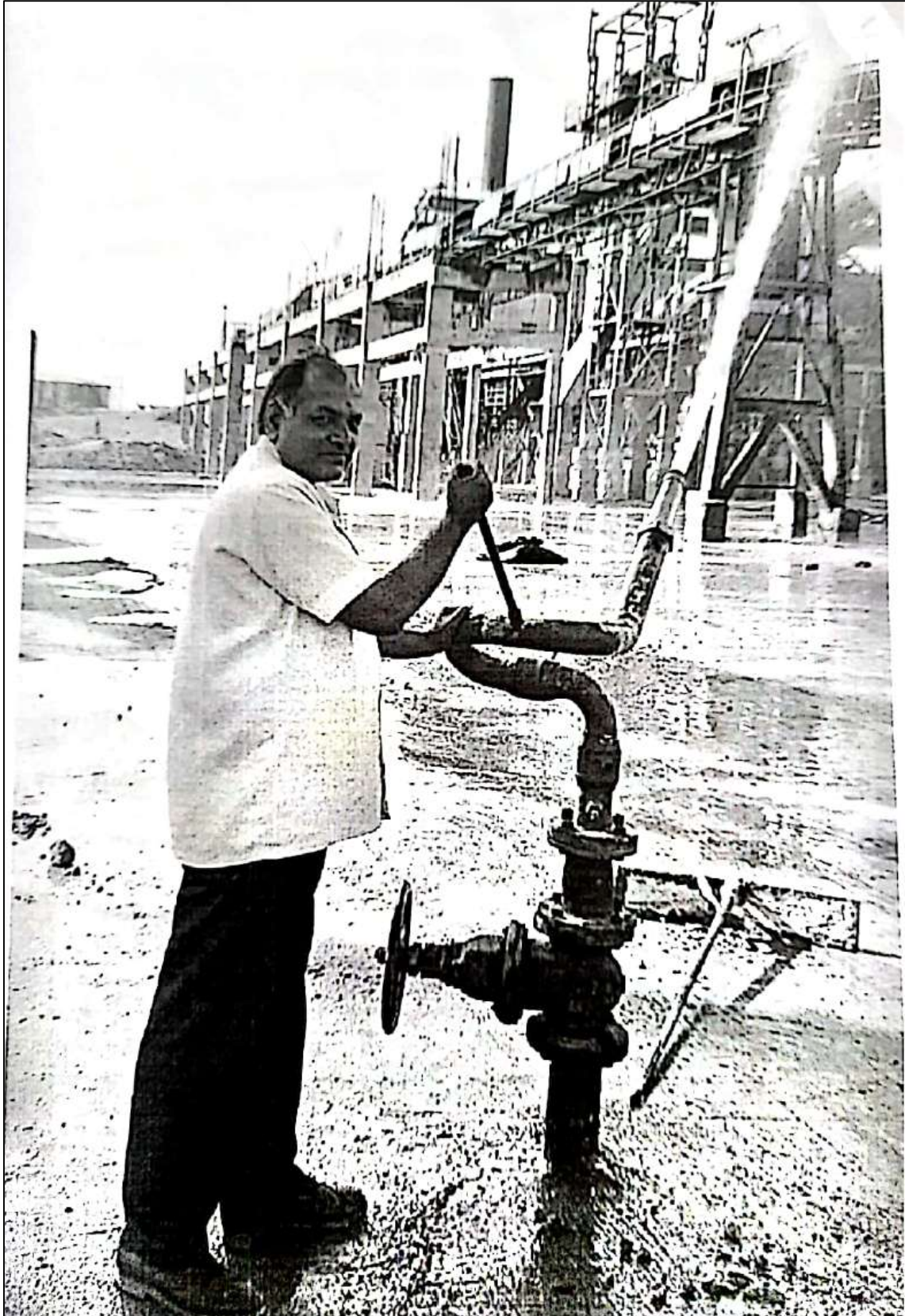
SHRI SOMESHWAR SAHAKARI SAKHAR KARKHANA LTD.

A/P: Someshwarnagar, Tal: Baramati, Dist: Pune, 412306, Maharashtra, India.
 Phone :: 02112-282150, 282476, 282477 Fax :: 02112-282412
 E-mail :: someshwarsakhar@gmail.com

Distillery On Site Emergency Plan

Organizational Setup

- | | | |
|--------------------------------------|---|--------------------|
| 1. Works Main Controller (WMC)- | Mr. Naikwade | Chief Engineer |
| 2. Works Incident Controller (WIC) - | Mr. Parkale | Distillery Manager |
| | Mr. Jagtap | Safety Officer |
| 3. Emergency Control Centre(ECC) - | Security Control Cabin | |
| 4. Assembly Point | Main distillery Gate | |
| 5. Communication System | - Phones / walky -Talky | |
| 6. Alarm / Siren | - Installed at Security Control Cabin | |
| 7. Operation Control/Shutdown | - Supervisors / Instrument Engineers | |
| 8. Firefighting Security | - Security Personal With tha help of trained Employees | |
| 9. Rescue/ Evacuation | - Security Personnal Rescue Squad | |
| 10. Traffic Controller | - Security Personnal | |
| 11. First Aid / Hospital | - Factory Medical Officer Dr.Mr.Kadam | |
| 12. Communicationa (External) | - (WMC) In Firms Mr.Yadav So
(Managing Director) | |
| | Managing Director through his office
Communicated to Govt Authorities. | |
| | WMC In Consultation with WIC | |
| 13. All Clear | | |





Shri Someshwar Sahakari Sakhar Karkhana Ltd.,

Someshwarnagar, Taluka - Baramati, Dist-Pune (Maharashtra) Pin-412 306

Someshwarnagar : (02112) 282150,282476,282477,

E-mail : someshwarsakhar@gmail.com

Website : www.someshwarsugar.com

Mock Drill Report

Date	Day	Time	Location	Type Of Drill
12/07/21	Monday	10:00AM	Cogen, (W.T.P)	Fire Unobstructed

Mock Drill Planning

Sr No	Name of Observer	Designation	Area of Observation
01	Mr. Naikwade	Chef Engineer	Sugar Mill Area
02	Mr. Jagdale R.P	Instrumental Engineer	Cogeneration
03	Mr. Kurumkar T.P	Environmental Officer	Environment Department
04	Mr. Jagdale S.M	W.T.P Chemist	W.T.P Area
05	Mr. Pharande M.K	Turbine operator	Cogeneration
06	Mr. Kadam A.S	Electrical Engineer	Distillery Area

Alarm Method

Siren system

Safety Equipment dsplayed Deployed Location

- 1) Fire hydrant Point
- 2) Fire Extinguishers
- 3) P.P.E Kits

Drill Scenario

Due to Sparking Oil Drums Catches the Fire in W.T.P Area
This fire is Extinguish with the help of Mechanical Foam

Prior Information Given to following Persons

1. Chavan A.G - Instrument Engineer
2. Jagtap Y.I - Security Officer
3. Gawade S.S - Cogen Incharge

Annexure XIII Environmental 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)

Annexure XIV Photographs of ash container



Annexure XV Photographs of silos




Annexure XVI

Expenditures on environment measures for Sugar and Cogeneration

#	Particulars	Capital cost in Lakh	Recurring cost in Lakh
1	Electrostatic precipitator and dump condenser for new 100 TPH boiler	200	25
2	Fuel handling system	100	15
3	Ash handling system	60	10
4	Stack	150	10
5	Sugar ETP Up-gradation	200	10
6	Condensate polishing unit	150	10
7	Greenbelt development	60	5
8	Rainwater harvesting	50	2
	Total	970	87

Annexure XVII Environment statement report



Maharashtra Pollution Control Board
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V
(See Rule 14)
Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number MPCB-ENVIRONMENT_STATEMENT-0000024523 **Submitted Date**
25-07-2020

PART A

Company Information

Company Name Shree Someshwar SSK Ltd	Application UAN number MPCB-CONSENT-0000077601	
Address A/P: Someshwarnagar, Tal: Baramati, Dist: Pune, 412306		
Plot no 101,102,103	Taluka Baramati	Village Someshwarnagar
Capital Investment (In lakhs) 25368.64	Scale L.S.I	City Pune
Pincode	Person Name R.N.Yadav	Designation Managing Director
Telephone Number 9922937833	Fax Number 02112-282412	Email someshwarsakhar@gmail.com
Region SRO-Pune I	Industry Category Red	Industry Type
Last Environmental statement submitted online no	Consent Number MPCB-CONSENT-0000052997	Consent Issue Date 7/12/2017
Consent Valid Upto 31/07/2018	Establishment Year	Date of last environment statement submitted
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Sugar	138000	11745.32	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Bagasse	384000	278199	MT/A
Molasses	43200	36844	MT/A
Press Mud	42000	33807	MT/A
Electric Power	157680	81778	Mwh

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	600	502
Domestic	3236	2750
All others	155	150
Total	3991	3402

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Tread Effluent	850	600	CMD
Sewage Effluent	124.5	124.5	CMD
Treated Effluent	974.5	724.5	CMD

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

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Sugar (excluding Khandasari)	0.90	0.89	Ton/Ton

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

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Lime	0.142	0.141	Ton/Ton
Sulphar	0.044	0.043	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	384000	263520	MT/A
Bagasse	0	0	MT/A

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
pH	0	7.2	0	5.5 to 9.0	-
TSS	51	61	0	100 mg/lit	-
BOD 3 days	30	40	0	100 mg/lit	-
COD	95	106	0	250 mg/lit	-
Oil & Grease	3.0	2.5	0	10 mg/lit	-
TDS	1112	1112	0	2100 mg/lit	-
Chorides	220	260	0	600 mg/lit	-

Sulphates	390	430	0	1000 mg/lit	-
[B] Air (Stack)					
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
SPM	1.2	95	0	150 mg/Nm3	-
Part-D					
HAZARDOUS WASTES					
1) From Process					
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM		
5.1 Used or spent oil	0.45	0.51	MT/A		
2) From Pollution Control Facilities					
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM		
5.1 Used or spent oil	0.03	0.04	MT/A		
Part-E					
SOLID WASTES					
1) From Process					
Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM		
Boiler Ash	3300	3600	MT/A		
2) From Pollution Control Facilities					
Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM		
Sludge from waste water treatment	2.5	2.7	MT/A		
3) Quantity Recycled or Re-utilized within the unit					
Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM		
5.1 Used or spent oil	0.45	0.51	MT/A		
Part-F					
<i>Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.</i>					
1) Hazardous Waste					
Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste		
5.1 Used or spent oil	0.50	MT/A	Reused in own boiler as fuel		
2) Solid Waste					
Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste		
Fly/Boiler ash	3400	MT/A	Sale to Bricks manufacturers /Soil conditioning		
Sludge from waste water treatment	2.7	MT/A	Used as manure		
Part-G					
<i>Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.</i>					

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Max. condensate water is recycled back through cooling tower	330	45	350	550	7.5	3.0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Biogas utilized in existing boiler as a fuel	Saving of bagasse upto 35 Mt/day	7.5

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Recycling of ETP treated water for Gardening and irrigation purpose.	Also Condansate water has been reused after cooling	12

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Tree plantation done every year at our factory premisses.

Name & Designation

Mr. R.N.Yadav, Managing Director

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000024523

Submitted On:

25-07-2020