

ENVIRONMENTAL
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Maharashtra)

To,

The MD
SHRI SANT TUKARAM SSK LTD
Kasarsai, Darumbre -410506

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/MH/IND2/82466/2020 dated 10 Sep 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|---------------------------|
| 1. EC Identification No. | EC23B000MH148691 |
| 2. File No. | SIA/MH/IND2/82466/2020 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | N/A |
| 6. Name of Project | |
| 7. Name of Company/Organization | SHRI SANT TUKARAM SSK LTD |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | 23 Jul 2021 |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 18/05/2023

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (Maharashtra)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND/82466/2020
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd.
A/p: Kasarsai-Darumbre, Tal.: Mulshi, Dist.: Pune

Subject : Environment Clearance for Establishment of 45 KLPD Molasses based Distillery located A/p: Kasarsai-Darumbre, Tal.: Mulshi, Dist.: Pune, Maharashtra by Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd.

Reference : Application no. SIA/MH/IND/82466/2020

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 230th meeting under screening category 5(g) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 258th (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. Brief Information of the project submitted by you is as below:-

No.	Particulars Required	Details
1	Name of the project & Address along with all corner latitude and longitude	Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd. (SSTSSKL), A/p: Kasarsai-Darumbre, Tal.: Mulshi, Dist.: Pune, Maharashtra State. 1. Latitude: 18°38'40.24"N, Longitude: 73°41'0.77"E 2. Latitude: 18°38'15.04"N, Longitude: 73°40'48.14"E 3. Latitude: 18°38'17.91"N, Longitude: 73°41'10.22"E 4. Latitude: 18°38'34.82"N, Longitude: 73°41'10.47"E
2	Type of Organization (Private / Government / Semi Government etc.)	Other
3	Correspondence Address and contact details of Project Proponent.	Address: A/p: Kasarsai-Darumbre, Tal.: Mulshi, Dist.: Pune, Maharashtra State. Contact Details: Shri. Sahebrao G. Pathare (Managing Director)
4	Type of project (ToR / EC / Amendment in ToR / Amendment in EC / Revalidation / Expansion / Process change etc.)	Establishment
5	Category of project as per EIA Notification 2006 amended from time to time (Pl. mention category A,B,B1,B2 etc.	The project comes under B1 Category as per EIA Notification 2006 amended & its amendment dated June 2019.

	whichever is applicable)		
6	If earlier ToR is obtained pl. mention details (ToR letter No. & Date, SEAC / EAC Meeting No.)	ToR Letter No.: SIA/MH/IND3/58227/2020 Date: 23.07.2021 SEAC Meeting: 200 th SEAC dated 14.06.2021 SEIAA Meeting: 224 th SEIAA dated 13.07.2021	
7	If earlier EC is obtained pl. mention EC Number & Date.	Presently 3000 TCD Sugar Factory & 15 MW Co-generation Plant are in operation. Proposed establishment of Distillery shall be carried out at existing premises of SSTSSKL. Existing units of sugar factory & co-gen plant have been granted Consent to Operate (CTO) by MPCB.	
8	Whether the proposal is a violation case (yes/no)	No	
9	Applicability of CRZ clearance (yes/no)	No	
10	Whether General / Specific Conditions are applicable to the project (Yes/No) If yes pl. give details.	No	
11	Whether Scrutiny fees paid as per SEIAA guidelines (Yes/No); If yes pl give payment details	Yes. Payment: Rs. 4,00,000/- on 01.03.2021 vide RTGS (UTR No.: MAHBRS2021030109416339) through Bank of Maharashtra, Marunji Branch, Pune.	
12	Name of accredited Environmental Consultant & address along with Accreditation No. & Validity.	Accredited Environmental Consultant: Equinox Environments India Pvt. Ltd. Address: F-11, Namdev Nest, 1160-B, 'E' ward, Sykes Extension, Opp. Kamala College, Kolhapur- 416 001. Accreditation No.: NABET/EIA/2124/SA-0177 valid till 10.10.2024.	
13	Name of layout plan approving Authority	--	
14	Estimated cost of Project (in Rs. Lakhs)	Rs. 8124 Lakhs	
15	Area of project (in Sq.m.)	3, 80,200 Sq.M	
16	Whether 33% green belt is provided (Yes/No)	Yes	
17	Area of Green Belt & No. of trees in the proposed project in Sq.M.(Pl. provide 2000 trees per hectare of green belt area)	Area of Green Belt: Industry has already developed green belt 30,000 Sq. M. which accounts for 8% of total plot area. SSTSSKL will augment the 25% of green belt on an area of 95,466 Sq. M. Hence, ultimately total green belt after distillery establishment will be 1,25,466 Sq. M which accounts for 33 % of total plot area. Existing No. of Trees: 3,700 Proposed Trees: 27,650	
18	Width of internal roads and turning radius	Width of internal roads: 6 M Turning Radius: 9 M	
19	Details of proposed construction	Total Built-up Area (in Sq.M)	15,269.50 Sq.M
		No. of Buildings & its height in meter	Existing 9 nos. with max 60 M height
20	List of Raw materials & Storage Details (Pl. add on in the list if necessary)		

Sr. No.	Name of Raw material	Consumption (MT/M)	Maximum Storage Details (MT/Wk)	Hazard category	Proposed precautions to prevent accident	Remarks
1	Molasses	5400	13,000	Non-Hazardous	Dyke walls, cooling system & firefighting arrangements are provided to Molasses tanks.	Molasses is stored in 2 MS tank with capacity 6500 MT each. Total Capacity 13000 MT. Molasses Day Tanks in Proposed Distillery 150 MT (1 No.)
2	Yeast	3.0	--	Non-hazardous	Stored at low temperature.	Culture purchased & developed in 100 lit./200 lit. vessels
3	Urea	54	10	Hazardous – category 2	Urea is stored at dry place.	Granules; Bags of 30-35 Kg
4	Sugarcane	90,000	-	Non-hazardous	Crushed immediately	Sugarcane is stored at cane yard.
5	De-foaming Oil	153	-	Non-hazardous	De-foaming Agent is stored at ambient temperature.	De-foaming oil is stored in cans of 50 lit.
6	Lime	180	-	Hazardous – Category 1	Lime should be stored at dry place.	Lime is stored in rock form in Bags of 30-35 Kg
7	Sulphur	42	-	Hazardous – category 2	Sulphur is Stored in dry place with leakage detector & firefighting system arrangement.	Sulphur is stored in granules in 30-35 Kg bags.
8	Bagasse	23,550	5000 Sq.M	Non-Hazardous	Bagasse is stored in yard & covered properly for dust attenuation. Additional plantation	Bagasse yard area 5,000 Sq.M area provided.

					will be done around bagasse yard; under green belt augmentation plan.	
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Production Details

Industrial unit	Product & By-product	Quantity (MT/M)		
		Existing	Proposed	Total
Distillery	Product			
	Ethanol/ ENA/ RS (KLPM)	-	1350	1350
	By-product			
	Fusel Oil	-	2.7	2.7
	Carbon Di-oxide	-	1020	1020
Sugar Factory	Sugar (11%)*	10,260	-	10,260
	By-product			
	Bagasse (29%)*	27,900	-	27,900
	Molasses (4-5%)*	3,780	-	3,780
	Press mud (3-4%)*	2,880	-	2,880
Co-Gen Plant	Electricity (MW)	15	-	15

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Water Consumption & Effluent generation (All units in CMD)

- i. Source & Qty. of water requirement (in CMD): Fresh water is taken from Pauna River.
ii. Water supply permission obtained (Yes/No) & approving Authority: Yes, Irrigation Department, Pune

Distillery:

Particulars	Consumption (CMD)			Loss (CMD)			Effluent generation (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	-	387	387	-	101	101	-	Condensate- 286	286
							-	Lees - 103	103
Industrial cooling	-	63	63	-	57	57	-	6	6
Boiler	-	42	42	-	34	34	-	8	8
Domestic Purpose	-	05	05	-	1	1	-	4	4
Green Belt	-	354	354	-	354	354	-	0	0
Lab & Washing, DM, Ash quenching	-	15	15	-	2	2	-	13	13
Total	-	866	866	-	552	552	-	420	420

Sugar factory & Co-gen plant:

Particulars	Consumption (CMD)			Loss (CMD)			Effluent generation (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	910	-	910	800	-	800	110	-	110
Industrial cooling	390	-	390	350	-	350	40	-	40
Boiler	205	-	205	164	-	164	41	-	52
Domestic Purpose	60	-	60	12	-	12	48	-	48
Green Belt	110	-	110	110	-	110	0	-	0
Lab & Washing, DM, Ash quenching	46	-	46	2	-	2	44	-	44
Total	1721	-	1721	1438	-	1438	235	-	235

Note: In above table only other effluent to be generated apart from Raw spent wash from distillery operation is presented and same will be is treated in proposed CPU. Raw spent wash to the tune of 360 M³ /Day will be generated. Same will be concentrated in Multi Effect Evaporator (MEE) and concentrated Spent wash to the tune of 74 M³ /Day will be incinerated in incineration Boiler.

23	Quantity of sewage generation (in CMD)	52 CMD		
24	Details of Sewage Treatment and Disposal of treated sewage:	<p>Sewage will be treated in proposed STP to be provided having capacity 60 CMD. Presently, it is collected in septic tank over flow forwarded to soak pits</p> <p>The STP consist of Bar Screen, Oil & Grease Tank, Equalization Tank, Aeration Tank (MBBR), Secondary Settling Tank, Filter Feed Tank, PSF, ACF & Treated Water Tank. The Treated sewage will be recycled for flushing purpose.</p>		
25	Detail of Effluent Generation (unit CMD)			
	Particular	Existing	Proposed	Total
	a) Qty. of Effluent generation: (CMD) (Sugar Factory & Co-gen Plant)	235	-	235
	b) Qty. of Effluent generation: (CMD) (Distillery)	-	776 (360+416)	776 (360+416)
	c)Qty. of high TDS/COD effluent: (CMD) (Raw Spent wash/Concentrated Spentwash)	-	360/74	360/74
	d) Qty. of low TDS / COD effluent: (CMD) (Other Effluent Distillery)	-	416	416
	e) Qty. of low TDS / COD effluent: (CMD) (Sugar Factory & Co-gen Plant)	235	-	235
26	Whether Zero liquid Discharge Effluent Treatment is proposed	Yes		

	(Yes/No)																
27	Brief Description of Effluent Treatment scheme	<p>Distillery: The process effluent generated from proposed distillery would be in the form of raw spent wash, spent lees and other effluent from lab & washing, boiler blow downs, cooling blow downs etc. Raw spentwash about 360 M³/D will be concentration in MEE. Concentrated spentwash @ 74 M³/D will be forwarded to incineration boiler. Other effluents viz. spent lees, MEE condensate, cooling & boiler blow down and lab-wash & DM backwash will be treated in proposed CPU. Treated effluent from CPU will be reused for industrial operations, thereby achieving Zero Liquid Discharge (ZLD) for process effluent.</p> <p>Existing Sugar Factory & Co-gen Plant: Effluent of 235 M³/day quantity is generated from Sugar Factory & Cogeneration activities and same to be treated in existing ETP having capacity 400 CMD. Treated effluent will be used for green belt development in own factory premises thus the Sugar Factory will become a ZLD.</p>															
28	Qty of treated effluent proposed to be sent to CETP (pl. mention Name of CETP and its membership Details)	Not Applicable Since Site is located in Non-MIDC area and there is no any provision of CETP.															
29	Please mention parameters of treated effluent to be achieved as per EP Rule, 1986 and or stipulated by the SPCB																
	<table border="1"> <thead> <tr> <th>Parameter</th><th>Inlet Concentration (Mg/L)</th><th>Outlet Concentration (Mg/L)</th></tr> </thead> <tbody> <tr> <td>PH</td><td>5-6</td><td>7-8</td></tr> <tr> <td>COD</td><td>3,000</td><td>< 100</td></tr> <tr> <td>BOD</td><td>1,800</td><td>< 50</td></tr> <tr> <td>TDS</td><td>1,000</td><td>< 100</td></tr> </tbody> </table>	Parameter	Inlet Concentration (Mg/L)	Outlet Concentration (Mg/L)	PH	5-6	7-8	COD	3,000	< 100	BOD	1,800	< 50	TDS	1,000	< 100	
Parameter	Inlet Concentration (Mg/L)	Outlet Concentration (Mg/L)															
PH	5-6	7-8															
COD	3,000	< 100															
BOD	1,800	< 50															
TDS	1,000	< 100															
30	Brief Note on proposed Rainwater harvesting scheme along with budget allocation:	<p>Proposed rainwater Harvesting Details:</p> <ul style="list-style-type: none"> • Roof top Harvesting Yield: 5097 M³ (Area for Roof top Harvesting: 8,350 M²) • Surface Harvesting Yield: 83,965 M³ (Area for Surface Harvesting: 3,40,998.50 M²) • RWH Quantity = 5097 + 83,965 = 89,062 M³ i.e., 89 ML <p>Hence, the total water becoming available after rooftop and land harvesting would be = 89 ML. Same will be utilised for Green Belt, Fire Hydrant, Fugitive Dust Control, Washing & Flushing. Excess RWH Qty. diverted outside plot through Storage Tank Out Lets</p> <p>Budge allocated: Rs. 50 Lakhs</p>															
31	Solid Waste management																
	<table border="1"> <thead> <tr> <th>Sr</th><th>Type of waste</th><th>Existing Qty of generation</th><th>Proposed Qty &</th><th>Total Qty &</th><th>Source of Generatio</th><th>Disposal methods</th></tr> </thead> <tbody> </tbody> </table>	Sr	Type of waste	Existing Qty of generation	Proposed Qty &	Total Qty &	Source of Generatio	Disposal methods									
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No		(MT/M)	generation (MT/M)	generation (MT/M)	n	
1	Boiler Ash (Distillery)	-	750	750	Boiler	Potash Recovery/ Brick Manufacturing
2	Yeast Sludge	-	240	240	Fermentation Section	Burnt in Boiler
3	CPU Sludge	-	12	12	CPU	
4	Boiler Ash (Sugar Factory)	660	-	660	Boiler	Used as manure
5	ETP Sludge	6	-	6	ETP	Used as Manure

32 Hazardous Waste Generation & Disposal (As per HW Rule 2016): Distillery Unit Sugar Factory & Co-gen Plant:

Sr. No.	Category	Particulars	Source of Generation (please include Name of Product)	Existing Qty of generation	Proposed Qty & generation	Total Qty & generation	Method & Disposal as per HW Rules 2016
1	5.1	Used oil	--	2(MT/A)	-	2 (MT/A)	Authorized re-processor
2	33.1	Empty containers	--	10 Nos./ A	-	10 Nos./ A	Authorized reseller

33 Fuel Consumption:

Sr. No.	Type of Fuel	Consumption Qty (TPD)			Used for (Boiler / DG/Set etc)	Ash (%)			SO ₂ (%)			Air pollution control/equipment provide (Yes/No)
		Existing	Proposed	Total		Existing	Proposed	Total	Existing	Proposed	Total	
1	Bagasse (MT/D)	720	-	720	Sugar & Cogen (85 TPH Boiler)	2.5	-	2.5	0.05	-	0.05	Yes
2	Bagasse (MT/D)	-	65	65	Distillery (16 TPH incineration Boiler)	-	2.5	2.5	-	0.05	0.05	Yes
3	Sp. wash (MT/D)	-	100	100		-	17	17	-	0.95	0.95	
4	Coal	-	35	35		-	10	10	-	1	1	

		(MT/D)																							
	5	Diesel (Lit/Hr)	150	-	150	DG Set (1500 KVA)	0.1	-	0.1	1	-	1													
34	Brief Note on Air Pollution Control equipment's: - ESP for existing 85 TPH Boiler is already provided & ESP Will be provided for proposed 16 TPH Boiler.																								
35	Stack Details (Also include process vent details)																								
	Sr. N o	Section / Unit	Source pollutions	Stack No.	Height form ground	Internal Diameter (inch)	Temperature of exhaust gas																		
	1	Existing 85 TPH Boiler	PM ₁₀ , PM _{2.5} , SO ₂ , NO _x	S1	75 M	4 M	145 ⁰ C																		
	1	Proposed 16 TPH Boiler	PM ₁₀ , PM _{2.5} , SO ₂ , NO _x	S2	60 M	3 M	145 ⁰ C																		
36	Energy a) Source of power Supply: Existing Co-gen Plant b) Maximum Demand (KVA): 10.8 MW c) Whether DG sets will be provided (Yes / No): if yes: No <table border="1"> <tr> <th>Sr. No.</th> <th colspan="2">No. of DG Sets</th> <th>Capacity</th> </tr> <tr> <td></td> <td>Existing</td> <td>Proposed</td> <td></td> </tr> <tr> <td>1</td> <td>1</td> <td>-</td> <td>1500 KVA</td> </tr> </table> d) Please Mention if high tension line is passing through the plot: No If yes, pl. give details of safety measures adopted:													Sr. No.	No. of DG Sets		Capacity		Existing	Proposed		1	1	-	1500 KVA
Sr. No.	No. of DG Sets		Capacity																						
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1	1	-	1500 KVA																						
37	Details of use of renewable energy with budget allocation: i. Total Energy Demand: 10.8 MW ii. Proposed renewable energy source capacity: 0.5 MW iii. Proposed Budget (in Rs. Lakhs): Rs. 80 Lakhs iv. Timeline for implementation: By Year 2025																								
38	Details of public hearing (if applicable): Place of public hearing: Industrial site of Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd. (SSTSSKL) A/p: Kasarsai-Darumbre, Tal.: Mulshi, Dist.: Pune i. Date of Public hearing: 05.04.2022 Please fill following details <table border="1"> <tr> <th>Sr. No.</th> <th>Issue raised during public hearing</th> <th>Applicant plan for its compliance/ implementation</th> <th>Budget allocation for implementation</th> <th>Specific time line of compliance</th> </tr> </table>													Sr. No.	Issue raised during public hearing	Applicant plan for its compliance/ implementation	Budget allocation for implementation	Specific time line of compliance							
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1	<p>Shri Popat Eknath Rakshe Sangawade Tal Maval Dist. Pune; Informed that the polluted water from the factory goes to the local farmer's agricultural fields. It is used for cattle. The water is so polluted that all the people who come in contact with the water get itchy. This water has often killed fish. The local people have complained to the factory about this from time to time and it is of no use. They do not take the cognizance of the complaint. The polluted water of the factory flows in the local nalla and nalla meets to Pawana river water is lifted for supply to Pimpri Chichwad City. Hence the factory and the District Administration are requested to take note of this.</p> <p>Shri Rakshe further stated this waste water is in black colour and also be seen outside the factory for which immediate vigilance inspection should be carried.</p>	<p>Response: MD of Industry replied that the waste water generated during the production process was being processed and used for agriculture/fertilizer. The fertilizer was being made available to local farmers. The industrial waste water treatment plant has been upgraded at a cost of around Rs. One Crore this year. Similarly, CPU (Condensate Polishing Unit) Plant will be implemented by the factory management. For this, advertisement has been published in the local newspaper. The industrial effluent generated during the production process will be sent to CPU plant and after treatment at CPU, it will be recycled and reused in the process. Due to this, the requirement of fresh water for the production activities will be minimized.</p> <p>Convener of the Environment Public Hearing Committee here informed Shri Rakshe that the complaint against the working project is noted and MPCB will further initiate the action</p> <p>Action Plan: A undertaking is being submitted on stamp paper that No any effluent will be discharged outside of factory premises. Further, CPU will be installed for excess condensate.</p>	<p>Budget: Rs. 5.0 Cr. will be earmarked for installation of CPU for treatment of excess condensate.</p>	<p>Timeline- CPU will be installed before crushing season of 2022-23.</p>
2	<p>Shri Suresh Murkute, Marunjigaon, Tal Mulshi, Dist. Pune; How the surrounding villages will be benefited after the implementation of this project?</p>	<p>Response: The Managing Director of the Project replied that the sugar department of the project employs about 350 people from two neighboring villages. After commissioning of the distillery project, about 100 people will get employment opportunities that will be a direct benefit. This project will greatly increase the direct benefits. This project will greatly increase the indirect benefits. There will be an increase in local business, such as two wheeler repairing, tea stalls, pan shops. Similarly, the distillery project will increase the income of the project, hence management will be able to give additional price to the sugarcane crop of the local farmers. Just as the Co-generation project is benefitted, this distillery project will also benefit to the local people.</p>		
3	<p>Shri Umesh Agale,</p>	<p>Response: Convener here informed</p>		

	<p>Sarpanch, Darumbre Grampanchayat, Tal – Maval, Dist. – Pune; After filing the complaint a month, the officers of the industry have come and inspected the site. Contaminated water comes from our well in the village.</p>	<p>that the objection/complaint raised is noted and officials of MPCB and Project Managing Director will visit the site and further action will be initiated if necessary. Convener further informed that as per the Presentation given by the Environment Consultant, in the proposed Distillery project, the effluent will be treated and it will be recycled and reused in the process. In the proposed project, the effluent generated will be treated in the Condensate Polishing Unit (CPU) and it will be recycled and reused in the process only. Hence, the effluent will not percolate. The company will not be allowed to generate its treated effluent outside the factory. The project is ZLD – ZERO Liquid Discharge Project. Action Plan: As mentioned above under Point No.1</p>		
4	<p>Shri Anil Waghole, Resident – Darumbre, Tal – Maval, Dist. Pune; Despite the factory being named after named after Saint Tukaram Maharaj, the Managing Director of the factory is giving false answers. Managing Director here informed that the treated effluent will be potable. The treated waste water from the project is discharged into the farmers land. The next day after watering, the crops get barren. Animals and birds cannot drink that treated wastewater. However, the project executive director should keep this in mind.</p>	<p>Response: Convener here remarked that after the meeting, MPCB officials along with Managing Director of the Project will visit the site and further action will be initiated.</p>		
5	<p>Shri Vasant Sawant, Godumbre, Tal – Maval, Dist. – Pune; How many days the distillery project will be in operation?</p>	<p>Response: Project Environment Consultant answered that the distillery project will be in operation for the 330 days i.e. it means Eleven Months.</p>		
6	<p>Shri Bhumkar Wakad, Tal – Mulshi, Dist.-Pune; stated that Managing Director of the project informed that the local farmers will be benefited. If there are any local issues, it will be solved. He wished that this project should be in operation at the earliest.</p>	<p>MD thanked Mr. Sawant for his support to project.</p>		
7	<p>Shri Pradip Kalokhe</p>	<p>Response: Environment Consultant</p>	<p>Budget: 25 Lakhs</p>	<p>Timeline:</p>

	<p>Dehugaon Dehugaon, Tal – Haveli, Dist. – Pune. and Shri Kshetra Dehu Pratipalak Krishi Mitra, Krishi Vikas Sevak asked whether surrounding villagers will be suffered due to noise pollution of the proposed project.</p>	<p>informed that in the Distillery Project, there is no heavy noise pollution making component/machineries. The boiler will be erected at the ear – marked place which will be away from the shop floor. While exhausting the steam, high quality silencers will be installed in the project. Also in the proposed project, most advanced machineries will be installed. Hence, surrounding villagers will not suffer. Convener appealed again to all the participants to raise any doubts, views, suggestions or objections regarding the proposed project in environmental angle only. There was no response from the participants. He informed that the suggestion, views, objections raised during the meeting are noted and it will be included in the minutes of meeting. The minutes will be prepared in Marathi and in English and after approval of Chairman of the meeting, it will be submitted through MPCB Head Office along with final EIA report, writing suggestions/objections to Environment and Climate Change, Govt of Maharashtra, Mumbai. An Expert Committee will be taken further action accordingly.</p> <p>Action Plan: For noise control during steam exhaust silencers will be provided to minimize the noise pollution</p>	<p>Before start of 2022-23 crushing season.</p>																														
39	<p>EMP (Please mention specific items proposed in EMP along with specific timeline for its implementation)</p> <p>Construction Phase:</p> <table><tr><th>Sr. No.</th><th>Attribute</th><th>Specific measure</th><th>Budget in (Rs. Lakh)</th><th>Remark</th></tr><tr><td>1</td><td>Air</td><td>Water tank, pump- motor, piping & sprinkling arrangement for fugitive dust control</td><td>2.50</td><td rowspan="6">Shall be done after grant of EC in Year 2023</td></tr><tr><td>2</td><td>Water</td><td>Safe Drinking water from existing unit</td><td>--</td></tr><tr><td>3</td><td>Noise</td><td>Barricading of the boundary with MS sheet cladding on MS frame. Rs. 600/-</td><td>3.78</td></tr><tr><td>4</td><td>Soil</td><td>Appropriate management of fuels, lubricants & constructions- storage in existing units</td><td>--</td></tr><tr><td>5</td><td>Solid waste</td><td>Dust bins at strategic points</td><td>0.25</td></tr><tr><td>6</td><td>Hazardous waste</td><td>Empty containers of primers, paints, construction chemicals- To be stored at Hazardous Waste Storage in existing adjusant</td><td>--</td></tr></table>			Sr. No.	Attribute	Specific measure	Budget in (Rs. Lakh)	Remark	1	Air	Water tank, pump- motor, piping & sprinkling arrangement for fugitive dust control	2.50	Shall be done after grant of EC in Year 2023	2	Water	Safe Drinking water from existing unit	--	3	Noise	Barricading of the boundary with MS sheet cladding on MS frame. Rs. 600/-	3.78	4	Soil	Appropriate management of fuels, lubricants & constructions- storage in existing units	--	5	Solid waste	Dust bins at strategic points	0.25	6	Hazardous waste	Empty containers of primers, paints, construction chemicals- To be stored at Hazardous Waste Storage in existing adjusant	--
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		unit		
7	Fuel & Energy	To be taken from adjutant existing unit	--	
8	Safety & health	Provision of PPEs, display of safety instruction, signs & awareness boards. First aid kit & other facilities from existing adjutant unit	0.75	

Operation Phase

Sr. No	Attributes	Specific measures	Budget in Rs. Lakh	Time line for 1/5 implement	Responsibility	Remarks
1	Water	Water Pollution Control (CPU, MEE, STP, OCMS)	800	After Procurement of EC	Environmental Management Cell	Shall be implemented along with erection of production machines.
	Air	16 TPH Incineration boiler, ESP, Stack(60M) & OCMS.	3000			
2	Noise	Providing various PPEs like ear plugs and ear muffs to workers.	30			
3	Soil	--	--			
4	Solid waste	--	--			
5	Hazardous waste	--	--			
6	Fuel & Energy	Renewable Energy Source	--			
7	Safety & health	Occupational Safety & health	30			
8	Rain water harvesting		50			
9	Implementation of recommendation of LCA	NA	--			
10	Implementation recommendation HAZOP/Risk Assessment	NA	--			
11	Environmental Monitoring	Environmental Monitoring & Management	50			
12	Green Belt	Augmentation	50			

	13	Any other please specify	-	-			
40	Other Relevant Information: (Pl. provide brief note on proposed project)		<ul style="list-style-type: none"> • Presently, 3000 TCD sugar & 15 MW cogen are in operation. SSTSSKL has decided to go for an establishment of 45 KLPD molasses based distillery unit at: Kasarsai-Darumbre, Tal.: Mulshi, Dist.: Pune, in Maharashtra State First crushing season was carried out in the year 1998-99 with crushing capacity 2500 TCD. 1st CTO for 3000 TCD sugar factory & 15 MW cogeneration plant was granted on 24.02.2016. As per prevailing Acts & Rules, 15 MW Cogeneration plant does not require prior Environmental Clearance (EC). 				
41	Details of skill development program within Organization		Training to workers on firefighting, Safety etc.				
42	Details of environmental Monitoring Cell (Pl. provide organogram with educated Qualification and experience)		SSTSSKL Consist of 11 Nos. of persons including Chairman, Managing Director, Co-gen Manager, Safety Officer, Lab chemist, Support Staff, Environmental Officer.				
43	Details of court cases if pending in any Hon'ble court		Presently, No Court case is pending against the project.				

3. The proposal has been considered by SEIAA in its 258th (Day-1) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. **PP to obtain water lifting permission from the Competent Authority to lift water from Pauna River.**
2. PP to ensure that, no waste water shall go outside the premises in any form as identified in the Public Hearing. All treated waste water shall be reused/recycles within the premises.
3. PP to submit their plan to comply with the observations made in the certified compliance of existing Consent to Operate.
4. PP to complete development of mandatory green belt immediately with the provision of drip irrigation and submit photographs.
5. PP proposes to sell carbon do oxide gas by providing bottling plant for collection and storage of carbon dioxide gas. PP to ensure that no carbon dioxide gas is emitted to the atmosphere. PP to carry out demand – supply calculations of CO2 gas for beverage industry and explore alternate use of CO2 gas capture and use..
6. PP to carry out physiochemical analysis report of the compost proposed to be used as manure and obtain approval from the competent Authority so as to ensure its safe use

on agricultural land

7. PP to provide Zero Liquid Discharge Effluent Treatment PP to explore possibility to assess techno-economic feasibility of using technology for MEE such as low temperature/mechanical vapour compressor etc. so as to reduce operation cost and use of natural resources
8. PP to ensure enclosed storage with impervious flooring of all raw materials and chemicals, no open storage be practiced so as to avoid odour nuisance and its impact on the soil in case of spillage.
9. PP to submit copies of MoU executed with the brick manufacturer for disposal of boiler ash along with their quantities.
10. PP to provide asphaltting on all internal roads so as to reduce particulate matter pollution during plying of vehicles within the premises.
11. PP to submit detailed report on technical adequacy of all pollution control equipment including air, water, noise etc. as PP is not proposing any modification / augmentation for proposed expansion.
12. PP to ensure to reduce spent wash generation within 6-8 KL/KL of alcohol produced
13. PP to ensure to utilize CER fund (Rs.166 Lakhs) before the commissioning of the manufacturing activity in consultation with the District Collector.
14. PP to ensure to restrict fresh water consumption within 10 KL/KL of alcohol production
15. PP to prepare and submit detailed technical plan with application of proper technology to control odour nuisance.
16. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.

SEIAA Conditions

1. PP submitted plan approved by PMRDA for distillery plot vide BMA/CR1279/22-23/Mouje Darumbare/S.no/ Gut no 148 & 149/1, dated-24.03.2023. As per the said plan plot area is 53800.00 m², green belt area of 17744.00 m² is provided i.e. 33%.
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
9. PP to provide solar energy for illumination of Administrative Building, Street Lights

and parking Area.

10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
11. PP to provide roof top Rain Water Harvesting facility.
12. PP to ensure that proposed project is a ZLD.

General Conditions:

- I. The project proponent 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 Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <http://parivesh.nic.in>
- II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
- IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
- VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
- VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
- X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
- XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.

XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any 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, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. 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 administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

8. 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.

9. 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.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Pravin Darade
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Pune.
7. Regional Officer, Maharashtra Pollution Control Board, Pune.

Signature Not Verified

Digitally signed by Shri Pravin C. Darade, I.A.S.
Member Secretary