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 Managing Director
VILAS SAHKARI SAKHAR KARKHANA LTD UNIT II
At Tondar Taluka Udgir District Latur Maharashtra -413563

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/IND2/59739/2021 dated 23 Feb 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC22B022MH153158**
2.	**File No.**	SIA/MH/IND2/59739/2021
3.	**Project Type**	New
4.	**Category**	B1
5.	**Project/Activity including Schedule No.**	5(g) Distilleries
6.	**Name of Project**	New 60 KLPD molasses based distillery unit
7.	**Name of Company/Organization**	VILAS SAHKARI SAKHAR KARKHANA LTD UNIT II
8.	**Location of Project**	Maharashtra
9.	**TOR Date**	28 Apr 2021

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

Date: 24/08/2022

(e-signed)
Manisha Patankar Mhaiskar
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/IND2/59739/2021
Environment & Climate Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. Vilas Sahakari Sakhar Karkhana Ltd., Unit-II
village Tondar, Tal. Udgir, Dist. Latur

Subject: Environmental Clearance for Proposed 60 KLPD molasses-based distillery at village Tondar, Tal. Udgir, Dist. Latur by M/s. Vilas Sahakari Sakhar Karkhana Ltd., Unit-II

Reference: Application no. SIA/MH/IND2/59739/2021

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-1 in its 226th meeting held on 25th & 27th July, 2022 under screening category 5(g), B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 248th (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 17th August 2022.

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

Sr. no	Particulars Required	Details
1.	Name of the project &Address along with all corner latitude and longitude	M/s. Vilas Sahakari Sakhar Karkhana Ltd., Unit-2 (Distillery Unit) Plot No. 72, Village Tondar, Taluka Udgir, District Latur, Maharashtra, 413563. latitudes & longitudes of corners of the site are as follows: **1.** 18°26'23.20"N & 77° 4'5.58"E; **2.** 18°26'22.20"N &77° 4'11.89"E; **3.** 18°26'16.69"N &77° 4'10.59"E; **4.** 18°26'17.92"N &77° 4'3.40"E
2.	Type of Organization (Private/Government/Semi Government etc.)	Co-oprative
3.	Correspondence Address and contact details of Project Proponent	Plot No. 72, Village Tondar, Taluka Udgir, District Latur, Maharashtra, 413563. E-mail: vikassugar2.mfg@gmail.com
4.	Type of project (ToR/EC/Amendment in ToR/Amendment in EC/Revalidation/Expansion/Process change etc.)	Environmental clearance

5.	Category of project as per EIA Notification 2006 amended from time to time(Pl. mention category A,B,B1,B2 etc. whichever is applicable)	B1
6.	If earlier ToR is obtained pl. mention details (ToR letter No. & Date, SEAC/EAC Meeting No.)	The proposal was considered for grant of ToR in 219th meeting of SEIAA, held on 23rd April, 2021 ToR Proposal no.: - SIA/MH/IND2/59739/2021 ToR granted on.:- 28th April 2021
7.	If earlier EC is obtained pl. mention EC Number & Date	No (Proposal for new distillery unit)
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, Cheque No.: 108069 dated 03/03/2022 (Rs. 4,00,000/-)
12.	Name of accredited Environmental Consultant & address along with Accreditation No. &Validity	Vasantdada Sugar Institute, Manjari (Bk.), Tal: Haveli, Dist. Pune 412307. Accreditation Certificate No.: NABET/EIA/2023/RA 0208 Validity: December 19, 2023
13.	Name of layout plan approving Authority	ADTP
14.	Estimated cost of Project (in Rs. Lakhs)	Rs. 9,328.40 Lakhs
15.	Area of project (in Sq. m.)	Total plot area allocated for proposed distillery unit: 33,735 sq. m. (3.37 ha.) Buit-up area: 12, 045.31 sq. m. (1.20 ha.) Greenbelt: 11,133 sq. m. (1.12 ha.)
16.	Whether 33% greenbelt 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 greenbelt area)	Greenbelt area: Greenbelt: 11,133 sq. m. (1.12 ha.) Proposed plantation: 1,891 trees
18.	Width of internal roads and turning radius	Minimum 6 m width and 9 m turning radius

19.	Details of proposed construction	Total Built-up area of proposed distillery unit = 1.20 ha.

#	Description	Size	Area (in sq.m.)
1	Coal Shed	20 × 15	300
2	Time Office	10 × 5	50
3	Turbine, DG Set	44.8 × 22	985.6
4	Boiler	61.3 × 20.2	1238.26
5	Security Cabin	3 × 3	9
6	Admin Office and Excise Office	15 × 10	150
7	Fire Fighting Pump House	9 × 4	36
8	CPU Unit	55 × 33	1815
9	Under Ground Water Tank With WTP	35 × 16	560
10	Cooling Tower For Evaporator	10.3 × 8	82.4
11	Cooling Tower For Distillation and Dehydration	25 × 6	150
12	Cooling Tower For Fermentation	11.5 × 6.3	72.45
13	MCC + PLC +	24 × 8	192

	Laboratory + Chiller Room		
14	Bulk Storage Section For Ethanol	79 × 50	3950
15	Bulk Storage Section For RS/IS	27 × 21	567
16	Receiver Section For RS/Ethanol/IS	20.2 × 18	363.6
17	Independent Evaporator and ATFD with Tanks	20.8 × 12	249.6
18	Distillation and Dehydration Section Provision	20.8 × 18	374.4
19	Fermentation Section	37.5 × 24	900
	Total		**12,045.31**

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	Hazard category	Proposed precautions to prevent accident	Remarks
1.	Molasses B-Heavy **OR** C-Heavy	206 TPD 222 TPD	Existing: 2 Storage tank of 4,000 MT each	Fire (03)	Stored in Mild steel tanks constructed as per guidelines of PESO	-
	Sugar Cane	858 TPD	-	-	-	

		for Juice **OR** Sugar syrup					
	2.	Nutrients N, P	100 Kg/D	-	-	-	As per requirement procured from market
	3.	Turkey Red Oil	300 Kg/D	-	-	-	

21. **Production Details**

Sr. No.	Name of product	Proposed capacity MT/M	Name of Product approving authority(like FDA of Pharmaceuticals)
1.	**RS/ENA/anhydrous alcohol (Ethanol)**	**60 KLPD**	**NA**

22. **Water Consumption & Effluent generation (All units in CMD)**

I) Source & Qty. of water requirement (in CMD):
Quantity: 554 m^3/day (after considering recycling), Source: Devarjan Dam

II) Water supply permission obtained (Yes/No) & approving Authority:
Permission available from Latur Irrigation Department.

Particulars	Consumption(CMD)			Loss (CMD)			Effluent Generation (CMD)		
	Existing	Proposed	total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	-	840	840	00	312	312	00	48	48
Industrial Cooling	-	354	354	00	152	152	00	-	-
Boiler	-	475	475	00	22	22	00	-	-
Domestic purpose	-	20	20	00	2	2	00	18	18
Total	-	**1689**	**1689**	**00**	**488**	**488**	**00**	**66**	**66**

23. Quantity of sewage generation (in CMD) — 20 m^3/d

24.	Details of Sewage Treatment and Disposal of treated sewage:	Will be treated in STP
25.	**Details of Effluent Generation (unit CMD)**	
26.	Whether Zero liquid Discharge Effluent Treatment is proposed (Yes/No)	Yes
27.	Brief Description of Effluent Treatment scheme	1) For spent wash: Multi-effect evaporation (MEE) followed by incineration in boiler. 2) For spent lees, condensate and other effluent: CPU containing two stage biological treatment followed by tertiary treatment
28.	Qty. of treated effluent proposed to be sent to CETP (pl. mention Name of CETP and its membershipDetails)	NA

Particulars	**Total**
A: Qty. of effluent generation (CMD)	700 CMD
B: Qty. of high TDS/COD effluent (CMD)	120 CMD
C: Qty. of low TDS/COD effluent (CMD)	580 CMD

29. Please mention parameters of treated effluent to be achieved as per EP Rule,1986 and or stipulated by the SPCB

Parameter	**Inlet (condensate water) Concentration (mg/l)**	**Outlet Concentration (mg/l)**
PH	2.5-4.0	6.5-8.5
TSS	1,000-1,500	<1000
TDS	1,000-3,000	<1000
COD	8,000 – 10,000	<250
BOD	3,500	<100
Heavymetals	-	-
Benzene	-	-
Otherifany	-	-

30. Brief note on proposed rain water harvesting scheme along with budget allocation:

Details of rainwater harvesting and storage

Description Of Catchment Area	**Area** Sq.m.	**Avg Rain-Fall Per Year** M	**Run Off coefficient** %	**Water Available Per Annum** Cu.m.
Roof top area	3561	0.801	0.7	**1996.65**

Rain water harvesting is planned mainly from roof top areas of proposed unit and admin building. The rooftop area available for rain water harvesting is

	approx. 3,561 m^2. All water will be collected and channelized to sump well or spray pond. Stored water will be used for various activities, such as cooling tower makeup, molasses dilution etc. **Budget allocation for Rain water harvesting: Rs. 20 lakhs**

31. **Solid Waste Management**

Sr. No	Type of waste	Qty. (Tons/Annum)	Source Of generation	Disposal methods	Pl mention plan to Reduce solid waste generation if any.
1.	Yeast Sludge dry	50	Fermentation process	Used as soil conditioner	-
2.	Ash (from Spentwash + Coal/Bagasse)	Max 14,586	Incineration of effluent in boiler	Sold to brick manufacturers	-
3.	CPU sludge (dry)	70	Wastewater treatment	Used as soil conditioner	-

32. **Hazardous Waste Generation & Disposal (As per HW Rule 2016)**

Sr. No	Category	Particulars	Source of generation (Please include product)	Total Qty. and generation	Method & disposal as per HW rule (2016)
1	5.1	Scrap oil	DG sets, Automobiles etc.	1-1.5 KL/Annum	disposed as per the MPCB guidelines under consent /Hazardous waste authorization

33. **Fuel Consumption**

Sr. no	Type Of fuel	Consumption Qty. (TPD)	Used for Boiler/DG setEtc.	Ash %	SO2%	Air pollution Control/Equipment Provide (Yes/No)
1.	Conc. Spent wash	148.8	Incineration Boiler	18	<0.5	Yes: Electrostatic Precipitator with Stack of 55 m height with 3 m inner diameter
2.	Coal **OR**	50		35	0.3-5	
	Bagasse	87		2	0.05	

34. **Brief Note on Air Pollution Control equipment's**
Stack of 55 m with ESP (Electrostatic precipitator) for proposed 22 TPH incineration boiler

35. **Stack Details (Also include process vent details)**

Section/Unit	Source pollutions	Stack No.	Stack height	Height form ground	Internal Diameter (inch)	Temperature of exhaust gas
Incineration boiler	Combustion of fuel	1	55 m	-	3.0 m	150°C

36. **Energy**
a) Source of power supply: Captive- 2.0 MW Steam turbine generator with proposed incineration boiler
b) Maximum Demand (kVA): 1490 kVA
c) Whether DG sets will be provided (Yes/No): Yes
d) Please Mention if high tension line is passing through the plot: NA
e) If yes, pl. gives details of safety measures adopted: NA

Sr. No	No. of DG sets	Capacity
1.	1 no. (existing with sugar unit)	320 kVA

37. **Details of use of renewable energy with budget allocation**
i) Total Energy Demand: 1.49 MW
ii) Proposed renewable energy source capacity: From sugar unit (bagasse based power generated in the sugar unit will be used partially in distillery
iii) Proposed Budget (in Rs. Lakhs): Rs. 05.00 (for cables, etc.)
iv) Timeline for implementation: Before operation phase

38. **Details of public hearing (if applicable)**
i) Place of public hearing: Project site, Village: Tondar, Tal. Udgir, Dist. Latur, Maharashtra.
ii) Date of public hearing: December 23, 2021
Please fill following details

Sr. No	Issue raised during public hearing	Applicant plan for its compliance/ implementation	Budget allocation for implementation (Rs. In lakhs)	Specific time line of compliance
1.	**Shri. R. U. Patil** The Sub-Regional Officer, MPCB, Latur & convenor:- 60 KLPD production will be taken in the said project and asked whether the required molasses is available with own factory or it will be taken from outside also other than the own factory and weather recording in this regard is in presentation and requested to show the slide.	According to the planning, the proposed distillery will use sugar cane juice/syrup during cane crushing season. Average yield of 70L per ton of cane observed for juice to ethanol. Thus, juice extracted from ~858 TPD of cane will get diverted to the distillery purpose. Remaining 1,642 tons of cane will be used for sugar manufacturing. In such situation, B-heavy molasses estimated to get produced during the seasonal operation will be 15,744 Tons. Considering the requirement of approx. 206 TPD for B-heavy molasses, it is feasible to operate the distillery for 77 off-seasonal days on the own B-heavy molasses. It is estimated that, the proposed distillery will require 19,158 tons of B-heavy molasses, from the	-	Continuous

			market to operate the unit for remaining 93 days (total 330 days = 160 days using juice + 77 own B-heavy molasses + 93 days – B-heavy molasses from Market). If the unit plans to use C-molasses it will require 27,306 tons of C-molasses from the market for off-seasonal operations.		
	2.	**Dr. P. M. Joshi,** The regional officer, MPCB, Aurangabad and public hearing panel member :- asked about the latitude and longitude of the location of said project as previously incidence was happed when the name of the factory was M/s. Priyadarshani Sahakari Sakhar Karkhana and molasses was flowed into the Banshelki dam through Nala.	The present management took the charge of the unit in 2014-15. The same Management is operating sugar and distillery units in Latur district for past several years. The Management is well aware of its environmental responsibilities. Thus, it will take all necessary measures at all levels, to prevent such incidences. The Management assures the Public hearing committee and respective authorities about the same.	30.00	Continuous
	3.	**Dr. Joshi** stated that previously molasses of the sugar factory was flowed.	Earlier, this unit was in operation as M/s. Priyadarshani Sahakari Sakhar Karkhana limited. The incidence mentioned here took place long before taking charge of the said unit by our Management.	-	Continuous
	4.	**Dr. Joshi** further stated that no question of emission of SO2 arise because the fuel is bagasse and the conc. Of SO2 is very less and secondly, the	As communicated during public hearing, the Management has plan to send the ash to brick manufacturing unit only in case of use of coal for incineration purpose.	Rs. 190 lakhs (for fuel and ash handling system)	

	bagasse ash is not given to the kilns and it is given as manure and normally no ash from sugar factory is given to brick kilns, he suggested to see the consent conditions.			
5.	**Shri. Patil** suggested to use coal only when condition is stipulated in consent for the same, otherwise not to use.	Presently, the Management has planned to use coal for incineration process due to technical advantages. It will take approval for the said fuel, in the consent.	-	Continuous
6.	**Q 3. Shri. Pandit Vishwanath Dhage**, r/o Her, Tal. Udgir, Dist. Latur:- stated that farmers will get benefited due to said project employment opportunity will be available to the youths in the area, hence he congratulates the management.	The Management is thankful to Mr. Pandit Vishwanath Dhage for his support to the project. As a policy, the management always prefer local candidates for employment. The same policy will be continued for the proposed distillery project.	-	-
7.	**Q 4. Shri. Sandeep Rajendra Patil**, r/o. Tondar, Tal. Udgir, Dist. Latur :- stated that said project of 60 KLPD production is good for farmers, for youths, for increase in rate of cane, for financial progress, for employment opportunity for the unemployed and as far as pollution is concerned the	The Management is thankful to Mr. Sandeep Rajendra Patil for his support to the project.	-	-

		factory is being operated in very good manner from last five years, that is since it is taken over for operation and no any incidence of pollution is happened at the said factory during the period of 5 years. He stated that he supports the said project and he has given about 560 Ton of sugar cane since the establishment of the factory			

39. EMP (Please mention specific items proposed in EMP along with specific timeline for its implementation)

I) Construction Phase

Sr. No	Attribute	Specific Measure	Budget in (Rs. Lakh)	Remark
1.	Air	Use of electrically operated machinery, Regular maintenance of transportation vehicles, sprinkling of water on roads for dust suppression, sprinkling of water while loading/unloading the dust	12	Basic facilities like Drinking water, Toilets, first aid facility and Safety gears will be provided to construction workers
2.	Water	Minimize wastage of water, Use fresh water with utmost care	08	
3.	Noise	Use of low noise making and preferably electrically operated machineries for construction, regular maintenance of transportation vehicles and other machineries	02	
4.	Soil	Excavated soil will be stacked separately and reused for greenbelt development, Stones and excess soil will be used for foundation or internal roads or levelling purpose within premises.	04	
5.	Solid waste	Segregating of solid waste	04	

6.	Hazardous waste	-	-	
7.	Fuel & energy	-	18	
8.	Safety & Health	Proper safety precautions to avoid accidents and related damages.	3	

II) Operation Phase

Sr. No	Attribute	Specific Measure	Budget in (Rs. Lakh)	Timeline for implementation	Responsibilit
1.	**Air**	ESP to control ash emission through stack with height 55 m. Mechanized system for coal and ash handling. Development of greenbelt.	575	Up-to commissioning	Operation/ maintenance: Distillery manager, chief engineer, civil engineer and environment officer
2.	**Water**	'Zero liquid discharge' will be achieved by implementing - • Stand - alone evaporation (using MEE) as a primary treatment to reduce the spentwash volume • Incineration of concentrated spentwash by burning with coal or bagasse in furnace Spent lees, condensate of MEE and other effluents will be treated in condensate polishing unit (CPU) Rainwater harvesting	2280	Upto commissioning	operation/ maintenance: Distillery manager, chie engineer, and environment officer

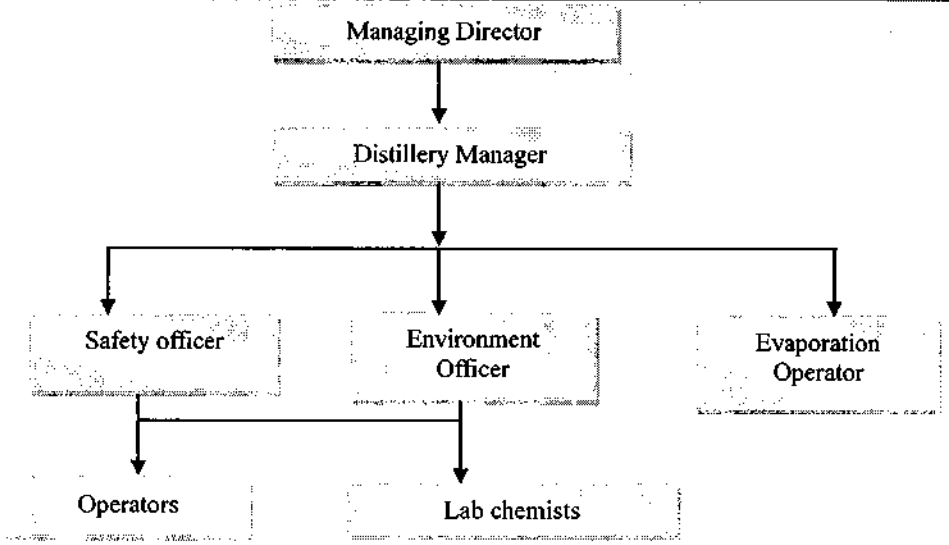
	3.	**Noise**	Regular maintenance of machines and factory vehicles. provisions of separate parking for goods and other vehicles, Internal roads will be either asphalted or RCC, levelled, illuminated and will be maintained. Safety sign boards will be placed at strategic locations within premises, development of greenbelt, Provision of	32	Upto commissioning	operation/ maintenance: Distillery manager, civil engineer and environment officer		
	4.	**Soil and Solid waste**	Yeast & CPU sludge will be mixed in to soil. Boiler ash will be given to nearby brick manufacturing unit	80	Continuous after commissioning	Environment officer		
	5.	**Hazardous waste**	The only hazardous waste likely to be generated will be scrap oil from DG set, automobiles, gears etc. This will be stored in leak proof drums in storage yard.	0.50	Continuous	Environment officer		
	6.	**Fuel & energy**	Electricity in case of diesel generator operation	825	Continuous	Distillery Manager and Chief Engineer		
	7.	**Safety & Health**	Proper safety precautions to avoid accidents and related damages.	45	Continuous	Safety officer		

	8.	**Rain water harvesting**	Rain water harvesting is planned mainly from roof top areas of proposed unit and admin building. The rooftop area available for rain water harvesting is approx. 3,561 m2. All water will be collected and channelized to sump well or spray pond. Stored water will be used for various activities, such as cooling tower makeup, molasses dilution etc.	20	Continuous	Distillery Manager, Civil engineer and environment officer		
	9.	**Implementation of recommendation of LCA**	-	-	Continuous	Distillery Manager		-
	10.	**Implementation recommendation HAZOP/Risk Assessment**		-	Continuous	Distillery Manager, Safety officer		-
	11.	**Any other please specify**		-	-	-		-

40.	**Other Relevant Information: (Pl. provide brief note on proposed project)** M/s. Vilas Sahakari Sakhar Karkhana Ltd., Unit-II (VSSKL2) is located at village Tondar, Tal. Udgir, Dist. Latur Pin-413563 on Ahmedpur-Udgir state highway (SH217) around 7 Km from Udgir railway station. This is a cooperative sugar factory. The said unit was formerly started in 2002 under the name Priyadarshini Co-operative Sugar Factory. The factory ran in disarray till 2011, In 2014-15 the sick factory was taken over by the present management and re-operated. Government of India is encouraging ethanol production to boost its ethanol blended petrol project. Therefore, the Management planned to install the ethanol unit. The proposed plant will be based on advanced technology of cascade continuous fermentation with provision to switch over to Fed Batch fermentation when molasses quality is poor and multi-pressure distillation and Molecular Dehydration Technology (MSDH). For treatment and disposal of effluent, the management has decided to install standalone multiple effect spentwash evaporation plant (SMEE). Concentrated spentwash will be incinerated to achieve "ZLD" as per CPCB norms. Electrostatic precipitator will be used as Air pollution control equipment along with stack of 55 m. Proper measure will be taken for Noise, solid waste and occupational health and safety management. The project will generate number of direct and indirect employment also the revenue for local authority as well as to state and central government.

4 1.	**Details of skill development program within Organization** Since its establishment, the factory has shown concern about the social development of the region. As a part of its social commitment, it has initiated and implemented many activities in the region. Some of them are highlighted below • Sugarcane development: VSSKL, has undertaken various sugarcane development activities in its area of operation. Notable sugar development activities, guidance to farmers to understand financial and management issues related to sugarcane farming. • factory also conducts routine sugarcane cultivation creates awareness amongst farmers and provides information on latest techniques and agricultural practices to the farmers.
4 2.	**Details of environmental Monitoring Cell (Pl. provide organogram with educated Qualification and experience)** In order to maintain the environmental quality within the standards, regular monitoring of air, water/wastewater, soil, noise etc. is essential. It is recommended to constitute a separate Environment Management Cell by including following personnel. It should be established to monitor and control the environmental quality in an around the industrial complex. Members of the cell should be well qualified and experienced in concerned field.

Particulars	Number	Education and experience
Managing Director	One	Graduation and 20+ years
Distillery Manager	One	B.Sc + AVSI with 15+ years
Environment officer/Chemist	One	MSc EnvSci/engineering with 5+ years
Safety Officer	One	B.Sc + Dip in safety with 5 + year experience
Evaporation plant Operator	One	ITI
Lab Chemist	Two	B.Sc.
Operators	Four	ITI/10 + 2



Schematic of Environment Management Cell (EMC)

4 3.	Details of court cases if pending in any Hon'ble court	NO

3. The proposal has been considered by SEIAA in its 248th (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 submit point wise compliance of all issues raised during public hearing along with necessary budget provision, responsibility and time lines for its completion.
2. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.
3. It was observed that, the baseline input data used for air modelling as Total Particulate Matter whereas the parameter for ambient air is PM10 and PM 2.5. PP to submit clarification on the same and if required a random sampling be conducted to correlate input data and ambient air data using air modelling technique.
4. The carbon dioxide emissions from fermentation process will be separated. PP will use a CO2 scrubber for removal of the gas from alcohol stream. Separated CO2 will be either bottled or converted into dry ice or other suitable chemicals.
5. 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
6. PP to submit details of final disposal of hazardous generated on site.
7. PP to provide Zero Liquid Discharge Effluent Treatment Plant. 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 mark the location of heavy vehicle parking on the layout map and submit a copy with a view to avoid parking of its own vehicles in public spaces.
9. 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.
10. PP to submit copies of MoU executed with the brick manufacturer for disposal of boiler ash along with their quantities.
11. PP to ensure to utilize CER fund before the commissioning of the manufacturing activity in consultation with the District Collector.
12. PP to complete green belt development with the provision of drip irrigation before the commissioning of the manufacturing activity.
13. PP to provide separate Sewage Treatment Plant for treatment of domestic sewage and ensure to achieve standard parameters issued by the CPCB/MPCB.
14. PP to provide sliding gate at entry and exit to achieve maximum turning radius of vehicle entering the site.

SEIAA Conditions:

1. PP submitted ADTP plan dated 02.02.2022. As per the said plan total plot area is 52,800.00 m2 and green belt area provided is 17,424.32 m2 i.e. 33 % of total plot area.
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peeple, 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 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 & 1sr 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.

Manisha Patankar Mhaiskar
(Member Secretary, SEIAA) 23/8/2022

Copy to:

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