



सत्यमेव जयते

File No: IA-J-11011/516/2022-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 01/01/2024



To,

M/s SAHAKAR MAHARSHI SHANKARRAO MOHITE PATIL SAHAKARI SAKHAR
KARKHANA LTD
SAHAKAR MAHARSHI SHANKARRAO MOHITE PATIL SAHAKARI SAKHAR KARKHANA
LTD
At- Shankarnagar -Akaluj, Post-Yeshwantnagar, Tal.: Malshiras, Dist.: Solapur, State: Maharashtra.,
SOLAPUR, MAHARASHTRA, 413118
smsmpsskdistilleryzld@gmail.com

Subject: Expansion of Distillery from 60 KLPD to 120 KLPD (B/ C Heavy Molasses/ Cane Juice/ Syrup)
by Sahakar Maharshi Shankarrao Mohite-Patil Sahakari Sakhar Karkhana Ltd. - Consideration
of Environment Clearance reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number
IA/MH/IND2/440716/2023 dated 06/09/2023 for grant of prior Environmental Clearance (EC) to the
proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A2503MH5475003N
(ii) File No.	IA-J-11011/516/2022-IA-II(I)
(iii) Clearance Type	Expansion EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(g) Distilleries
(vi) Sector	Industrial Projects - 2 Expansion of Distillery from 60 KLPD to 120 KLPD (B/ C Heavy Molasses/ Cane Juice/ Syrup) by Sahakar Maharshi Shankarrao Mohite-Patil Sahakari Sakhar Karkhana Ltd.
(vii) Name of Project	SAHAKAR MAHARSHI SHANKARRAO MOHITE PATIL SAHAKARI SAKHAR KARKHANA LTD
(viii) Name of Company/Organization	SAHAKAR MAHARSHI SHANKARRAO MOHITE PATIL SAHAKARI SAKHAR KARKHANA LTD
(ix) Location of Project (District, State)	SOLAPUR, MAHARASHTRA

(x) Issuing Authority

MoEF&CC

(xi) Applicability of General Conditions as per
EIA Notification, 2006

No

3. The Ministry of Environment, Forest and Climate Change has examined the proposal for proposed expansion of of Molasses based Distillery from 60 KLPD to 120 KLPD using C Heavy Molasses located At- Shankarnagar- Akluj, Post-Yeshwantnagar, Tal.: Malshiras, Dist.: Solapur, Maharashtra by M/s. Sahakar Maharshi Shankarrao Mohite-Patil Sahakari Sakhar Karkhana Ltd. (SMSMPSSKL).

4. The proposal was considered in EAC (Ind-2) in its meeting held on meeting held on 04th – 05th October, 2023 wherein the project proponent and their accredited Consultant M/s. Equinox Environments (I) Pvt. Ltd. (NABET certificate no. NABET/EIA/2124/SA 0177 and validity 10.10.2024) made a detailed presentation on the salient features of the project. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA & EMP reports)] are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link [click here](#).

5. As per the provision of “EIA Notification No. S. O. 1533 (E)” dated 14.09.2006 as amended vide Notification No. S.O. 1960(E) dated 13.06.2019, the proposed project is listed as activity 5 (g) – Distillery; Category ‘A’ and is appraised at Central Level by Expert Appraisal Committee (EAC).

6. The details of products and capacity are enclosed at Annexure-2.

7. Existing 60 KLPD Distillery Unit is operational on the basis of Consent to Operate from SPCB since the Distillery is established before 1994 & 2006 EIA Notification. Thus, EC is not applicable to existing Distillery. Latest CTO (Air and Water) has been issued on 18.11.2019 and is valid till 31.08.2024. Certified CTO compliance report has been issued dated 30.08.2023 from MPCB; Solapur. EAC was satisfied with response of PP.

8. Standard Terms of Reference have been obtained vide F. No. IA-J-11011/516/2022-IA-II(I) dated 06.12.2022. It was informed that there is no litigation pending against the project. Public Hearing for the proposed project had been conducted by the Maharashtra Pollution Control Board on 06.06.2023 at Project Site chaired by ADM; Solapur. The main issues raised during the public hearing and their action plan are enclosed as Annexure – 5.

9. No additional land will be acquired for the proposed distillery project as the same will be done within existing plant premises of 121 Ha which is under possession of Industry. Greenbelt is developed in total area of 40.28 Ha i.e. 33% of total project area. The estimated project cost is Rs. 49 Crores. Capital cost of EMP would be Rs. 20 Crores and recurring cost for EMP would be Rs. 0.95 Crores per annum. Industry proposes to allocate Rs. 1.14 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after proposed project will be 478 persons as direct & indirect.

10. There are no national parks, wildlife sanctuaries, ESZ, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, Reserve Forests/Protected Forests etc. within 10 km distance. Reserved Forest is at a distance of 5.5 Km in South-West Direction. Conservation Plan for schedule-I species has been submitted to Chief Wildlife Warden dated 27.07.2023 and a budget of Rs.0.30 Crores has been earmarked for the same. River Nira is at a distance of 3.30 Km.

11. Ambient air quality monitoring was carried out at 8 locations during October-November-December-2022 and the baseline data indicates the ranges of concentrations as: PM10 (54.5– 62.5 g/m³), PM2.5 (15.7 – 24.8 g/m³), SO₂ (9.9 – 16.5 g/m³) and NO_X (12 – 21.2 g/m³). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.005 g/m³, 0.002 g/m³, 0.588 g/m³ and 0.024 g/m³ with respect to PM10, PM2.5, SO₂ and NO_X. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

12. Total fresh water requirement will be 396 CMD which will be met from Nira Right Bank Canal. NOC has been obtained by Neera Right Bank Canal Division Phaltan dated 05.08.2016. Effluent of 1133 CMD quantity will be treated

through Condensate Polishing Unit of capacity 1500 KLPD. Effluent generated after distillery expansion, total raw spentwash will be generated @ 940 M3/D, same will be concentrate in Multiple Effect Evaporator (MEE) and the conc. spentwash @ 102 MT/D will be dried in Dryer to form powder. STP of capacity 50 KLPD will be installed to treat sewage generated from factory premises. The plant will be based on Zero Liquid discharge system and no effluent/treated water will be discharged outside factory premises.

13. Total Power requirement will be 3 MW and will be met from 33 MW cogeneration plant & for existing activities power is also met from 33 MW Cogeneration plant. No new boiler will be installed under proposed distillery expansion. Existing sugar factory & Distillery unit has 140 TPH & 50 TPH Bagasse fired boiler respectively. APCE ESP with common stack of height of 82 M is installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm³. Industry has 2 nos. of DG sets with capacity 750 KVA which are used as standby during power failure and stack height 6 M (ARL) is provided as per CPCB norms. No new DG set will be installed under proposed project.

14. Details of Process emissions generation and its management:

- Total CO₂ (90 TPD) is being/will be bottled and supplied to manufacturers of beverages /secondary uses.

15. Details of solid waste/Hazardous waste generation and its management:

a. Solid Waste:

- Existing of sugar factory- Solid waste generated in the form of ETP sludge 0.5 MT/D; used as manure. Boiler ash 50.4 MT/D; used for Brick manufacturing.
- Establishment of distillery- Boiler ash 18 MT/D; used as manure, Yeast sludge 26 MT/D & CPU sludge 1.12 T/D; used as manure.

b. Hazardous Waste:

- From Sugar & Distillery unit- Spent Oil 0.2 MT/D; to authorized recycler.

16. During deliberations, EAC discussed following issues:

- It was observed that land is available in 3 patches. PP shall create 5- 10 m thick greenbelt around the periphery of the boundary of the project site.
- STP Installation: The current practice w.r.t. domestic wastewater disposal through Septic Tanks followed by Soak Pits will be discontinued immediately. Here, the STP will be provided for treatment of domestic effluent generated under existing and proposed expansion activities. Accordingly, the work of installation of STP will be completed before completion of ensuing crushing season of 2023-24 i.e. before May 2024.
- Existing Composting treatment will be discontinued: Presently, Spentwash from existing distillery of 60 KLPD capacity is being treated by Bio-methanation followed by Concentration & Composting. Now, under proposed distillery expansion from 60 to 120 KLPD, the entire Spentwash from 120 KLPD will be Bio-methanated & Concentrated in MEE and shall be dried in Dryer to form powder. As committed during EAC meeting, the existing Composting Treatment Process will be discontinued after commissioning of distillery expansion activity by financial year 2025-26. The Committee suggested that spent wash treatment through bio-composting shall be stopped within 2 years from date of issue of environmental clearance.
- Rainwater Harvesting (RWH) Action Plan with Budget: During EAC meeting, Hon. Committee directed to submit the budget and timeline for implementation of RWH which was reported as a Non- compliance of General Condition in IRO Report. Accordingly, we hereby commit to implement the RWH activity on site before start of Crushing season of 2024-25 i.e. till September 2024. A Budget of Rs. 3.5 Cr. is allocated for RWH.
- Allocation of Funds under CER: As per directions of Hon. Committee, the revised CER is given below. Here, the amount of CER is revised to 1.14 Cr. which is 2.3% of capital investment of expansion activity of Rs. 49 Cr. Also, names of villages are mentioned wherein activity will be implemented.
- Schedule of Implementation of expansion of Sugar Factory: The EC for expansion of Sugar Factory from 7,500 TCD to 10,000 TCD is obtained on 07.05.2019. Industry has obtained Consent to Establish from MPCB vide No.

Format1.0/CAC/UAN No. MPCB - CONSENT-0000170253/CE/2309000951 dated 13.09.2023. The expansion activity will be commissioned till crushing season of 2025-26.

● Maintenance of Equipment & Units: As directed during meeting, Industry hereby commit towards conducting annual maintenance of Pollution Control Equipment like ETP, CPU, Bio-methanation Plant, MEE, ESP, Tanks, Stack etc. Here, anticorrosive paints will be used for external painting of equipment and regular oiling and cleanliness shall be maintained. Separate funds will be ear marked in annual budget for same.

17. The committee was satisfied with the response provided by PP on above information. Further, Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

18. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with the EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

19. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data is within NAAQ standards. The Committee has deliberated the action plan proposed by the project proponent to arrest the incremental GLC due to the project. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have **recommended** for grant of environmental clearance.

20. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

21. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project **proposed expansion of Molasses based Distillery from 60 KLPD to 120 KLPD using C Heavy Molasses located At- Shankarnagar- Akluj, Post- Yeshwantnagar, Tal.: Malshiras, Dist.: Solapur, Maharashtra by M/s. Sahakar Maharshi Shankarrao Mohite-Patil Sahakari Sakhar Karkhana Ltd. (SMSMPSSKL)**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions enclosed at Annexure-1.

22. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

23. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

24. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

25. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution)

Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

26. This issues with the approval of the competent authority.

Copy To

1. The Secretary, Department of Environment, Government of Maharashtra, Mumbai 400 032
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001 Maharashtra
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai – 22
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, Solapur District, Maharashtra
7. Guard File/Monitoring File/Parivesh portal/Record File.

Annexure 1

Specific EC Conditions for (Distilleries)

1. Specific Condition

S. No	EC Conditions
1.1	<p>1.The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented(Annexure - 3).</p> <p>2.EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project. Conversion of land use (CLU) certificate shall be obtained before start of construction activities.</p> <p>3.NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing water from surface water. State Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. No ground water shall be used for the plant operations.</p> <p>4.Total fresh water requirement after expansion of distillery shall not exceed 396 m³/day, which will be met from Nira Right Bank Canal. Treated effluent from the sugar unit shall be used in distillery to reduce fresh water requirement. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.</p> <p>5.Spent wash shall be concentrated in Multi Effect Evaporator and concentrated spent wash shall be dried in dryer to form powder. The MEE & Drier condensate, spent lees, WTP Rejects, Boiler & Cooling tower blowdowns, washings etc., shall be treated in the ‘Condensate Polishing Unit’ (CPU). Efficient CPU shall be installed for the sugar unit to recycle the treated effluent to be used in</p>

S. No	EC Conditions
	<p>distillery unit. STP of 50 KLD capacity shall be installed to treat domestic wastewater. The plant will be based on 'Zero Liquid Discharge' system and no effluent/treated water will be discharged outside factory premises. PP shall ensure that spent wash shall not be treated through bio-composting and existing bio-composting shall be stopped within 2 years from date of issue of environmental clearance.</p> <p>6. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be conducted on monthly basis and report submitted to SPCB and RO, MOEFCC. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and Total Dissolve Solids shall be monitored and report submitted to the Ministry's Regional Office.</p> <p>7. As proposed, no new boilers shall be installed under proposed distillery expansion. Common ESP as APCE with a stack height of 82 M shall be installed with the existing 140 TPH (Bagasse based) & 50 TPH (bagasse fired Boiler) for controlling the particulate emissions within the statutory limit of 50 mg/Nm³. The SO₂ and NO_x emissions from the Boilers shall be maintained within the statutory limit of 100 mg/Nm³. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.</p> <p>8. Boiler ash (18 MT/D) from incineration boiler after expansion will be used for potash recovery / Sold to Brick Manufacturer. Also, bagasse ash from sugar factory boilers after expansion (33 TPD) will be for manure / Sold to Brick Manufacturer. PP shall use bagasse fuel for the existing cogeneration boiler. PP shall meet 15% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas.</p> <p>9. Total CO₂ (90 TPD) is being/will be bottled and supplied to manufacturers of beverages /secondary uses.</p> <p>10. PP shall allocate at least Rs. 1.00 Crore/annum for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.</p> <p>11. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.</p> <p>12. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. PESO certificate shall be obtained. Location of ethanol storage tanks shall be placed in such a way that in the event of any fire, accident, explosion or any unforeseen conditions the impact of such event should not go beyond the boundary of the plant i.e. the risk should be tolerable (acceptable) at the boundary.</p> <p>13. Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.</p> <p>14. The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p>

S. No	EC Conditions
	<p>15.The green belt of at least 5-10 m width shall developed in 40.28 hectares i.e., 33 % of total project area with tree density @ 2500 trees per hectares, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department, native species shall be developed and saplings 4-6 feet high shall only be planted. Records of tree canopy shall be monitored through remote sensing map. Additional green belt shall be developed along both sides of the canal passing through north and western side of the Industry within their plant premises.</p> <p>16.PP proposed to allocate Rs. 1.14 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan (Annexure - 4 & 5) for monitorable activities like up-gradation of schools with provision of facilities e.g. Class rooms, playground, Laboratory, Library, Computer class, toilets, potable drinking water facilities, solar light/solar power support for uninterrupted power supply, soil nutrient management etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.</p> <p>17.There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc.</p> <p>18.Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.</p> <p>19.Continuous online (24x7) monitoring system for stack emissions/effluent shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.</p> <p>20.A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ Director/CEO as per company hierarchy.</p>

Standard EC Conditions for (Distilleries)

1. General Conditions

S. No	EC Conditions
1.1	<p>No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</p>

S. No	EC Conditions
1.2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.3	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
1.4	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
1.5	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
1.6	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
1.7	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
1.8	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
1.9	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
1.10	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
1.11	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable

S. No	EC Conditions
	to this project.

Additional EC Conditions

N/A

Annexure 2

Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Expansion of Distillery from 60 KLPD to 120 KLPD (B/ C Heavy Molasses/ Cane Juice/ Syrup) by Sahakar Maharshi Shankarrao Mohite-Patil Sahakari Sakhar Karkhana Ltd.	
b.	Latitude and Longitude of the project site	17.80757420198809,75.0148433003987 17.81319488071547,75.02066555859514	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	121
		Forest Land (B)	0
		Total Land (A+B)	121.0
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	60569.5	
g.	EMP Cost (in lacs)	1625	
h.	Employment Details		

Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Rectified Alcohol/ Rectified Spirit	Product	1800	1800	3600	KL/M	Road

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Silent Spirit/Extra Neutral Alcohol	Product	900	2700	3600	KL/M	Road
Anhydrous Alcohol/ Ethanol	Product	960	1920	2880	MT/M	Road
CO2 Gas	By-Product	1350	1350	2700	MT/M	Bottling
Fusel Oil	By-Product	18	18	36	KL/M	Road
Spentwash Powder	By-Product	0	1530	1530	MT/M	Road
Sugar	Product	37440	0	37440	MT/M	Road
Refined Sugar	Product	9000	0	9000	MT/M	Road
Bagasse	By-Product	84000	0	84000	MT/M	Conveyor Belt
Press Mud	By-Product	11520	0	11520	MT/M	Road
Molasses	By-Product	11520	0	11520	MT/M	Road
Electricity	Product	33	0	33	Mega Watt (MW)	Transmission Lines
Acetic Acid	Product	900	0	900	MT/M	Road
Acetaldehyde	Product	720	0	720	MT/M	Road
Anhydrous Alcohol (Ethanol) by using RS only	Product	1200	0	1200	MT/M	Road
Phosphate Solubilizing Bacteria	Product	20	0	20	MT/M	Road
Azotobacter	Product	10	0	10	MT/M	Road



ANNEXURE-3**Details of capital and recurring cost of EMP:**

Sr. No.	Description	Capital Cost in Lakhs	Recurring Cost in Lakhs/Annum
A	Proposed Project		
1	Water Pollution Control- STP, Distillery CPU, Upgradation of sugar ETP & CPU, Dryer	1275	50
2	Solid Waste Management	50	5
3	Noise Pollution Control	50	5
4	Environmental Monitoring & Management	50	5
5	Occupational Health & Safety	100	10
6	Green Belt Development & Rainwater Harvesting Infrastructure	475	20
	Total (33% of Existing Investment of Rs. 49 Cr.)	Rs. 2000	Rs. 95

ANNEXURE-4**Details of CER with proposed activities and budgetary allocation:**

No	CER Activities	Rs. Lakh
1	Arrangement of Drinking Water Supply Infrastructure: (6 Villages- Girzani, Mahalung, Pisewadi, Ozare, Yeshwantnagar, Malewadi) Total 12 Nos. of Safe Drinking Water Units with Filtration, RO Module & Storage Tank, Piping, electrical control panel etc. with dispensing & metering systems. Capacity of 500 Lit/Hr each. 12 Nos. X Rs. 2.50 Lakhs / No = Rs. 30,00,000/-	30.00
2	Solar Street Light: (6 Villages- Akluj, Yeshwantnagar, Pisewadi, Vizori, Chaundeshwarwadi, Watpali) Provision of Solar Street Lights with gadget comprising of – 1 MS Pole, 18-20 W LED Lamp, Battery, Solar Panel, Wiring etc. complete. 6 Villages X 15 Nos/Village = 90 Solar Street Lights X Rs.30,000/- per No. = Rs. 27,00,000/-	27.00

3	Solar Photovoltaic Electricity Generation Systems: (5 Villages- Shankarnagar-Akluj, Malewadi, Kondabavi, Yeshwantnagar, Vizori) Provision of 5 Solar Photovoltaic Electricity Generation Systems (10 KW) at Grampanchayat / School Building. 5 Nos. X 10 KW X Rs.1 Lakh / KW = Rs. 50,00,000/-	50.00
4	Afforestation: (5 Villages- Yeshwantnagar, Pisewadi, Phulenagar, Girzani, Choundeshwarwadi) Trees / Village = 300, Cost of Plantation / Village = Rs. 1,50,000, Total Cost of Tree Plantation in 5 villages = Rs. 7,50,000/-	7.50
	Total Amount	Rs. 114.5 Lakhs

Annexure-5

Issues raised in Public Hearing and their action plan

No.	Issue in brief	Action Plan in brief	Budget allocated and Timeline
1.	Shri. Anand Bhagwan Bhivarkar Udaynagar, Tal.- Malshiras, Dist.- Solapur. How much alcohol will be produced per day from the proposed distillery project?	Response: Project Environmental Consultant said that, proposed expansion of molasses based distillery from 60 KLPD to 120 KLPD (Increase by 60 KLPD) in the existing unit. The production capacity of alcohol produced from the said project will be 120 KLPD.	--
2.	Shri. Ganesh Ekatpure Shankarnagar, Tal.- Malshiras, Dist.- Solapur. What is the total cost of construction of the proposed alcohol	Response: Project Environmental Consultant said that, Proposed investment for distillery is Rs. 49 Cr. for Sugar Factory Rs. 333.19 Cr. for Co-gen Plant Rs. 165.12 Cr. & for Acetic Acid/Acetaldehyde Plant Rs. 11.0056 Cr. for existing distillery plant Rs. 47.38 Cr.	--

	manufacturing plant?		
3.	Shri Muralidhar Sadashiv Jare, Tandulwadi, Taluka Malshiras, District Solapur. How many people will get employment due to the project?	Response: Project Environmental Consultant said that, After expansion 20 People will get direct employment. A total of 458 currently operational and 20 proposed 478 People will get employment.	
4.	Shri. Chandrakant Shivdas Kumbhar, Yeshwantnagar, Taluka-Malshiras, District-Solapur. How will the post-processed spent wash powder will be used? Will it be useful in the production of potash and urea?	Response: Project Environmental Consultant answered that, spentwash powder will be sold to fertilizer manufacturing companies. It will be provided to farmers for use as fertilizer for crops Action Plan: Raw spentwash shall be concentrated in MEE. Further Conc. Spentwash shall be biomethanated & dried in Dryer to form powder. The spentwash Powder generated will be 56 MT/D. The generated spentwash Powder will be sold to fertilizer manufacturing companies.	
5.	Shri. Rahul Shivaji Kadam Girzani, Taluka Malshiras, District Solapur What is the proposal for the treatment of waste water generated in the project?	Response: Effluent generated i.e., Spentless, Cooling Blowdown, Boiler Blowdown, MEE Condensate, lab and washing of distillation plant will be treated in CPU and totally used in manufacturing process to achieve ZLD. Action Plan: For the treatment of generated effluent, Raw spentwash shall be biomethanated, concentrated in MEE. Further Conc. Spentwash shall be dried in Dryer to form powder. Other Effluents viz. spent lees, cooling blow down, boiler blow down, lab & washing, MEE condensate forwarded to Distillery CPU. Treated effluent is fully recycled in process & cooling make up to achieve Zero Liquid Discharge (ZLD)	Budget: Under proposed project Rs. 12.75 Cr. shall be spent on Water Pollution Control (Installation of Distillery CPU, Upgradation of ETP & CPU, Dryer) with O & M cost of Rs. 50 Lakh. Timeline: Year 2024-25; after grant of EC.

6.	<p>Shri. Vijay Bhaskar Lavand, Vijayawadi, Taluka Malshiras, District Solapur</p> <p>Which air pollution control device will be installed for the boiler?</p>	<p>Response: Project Environmental Consultant answerd that, Industry has already installed ESP to boiler to control air pollution as a Pollution .Control Equipment</p> <p>Action Plan: No new boiler will be installed under expansion. 140 TPH boiler will operate under sugar factory & 50 TPH boiler will be operated under distillery unit having common stack of 82 M. 2 separate ESP's are already installed for boilers.</p>	<p>Budget: For the Environmental Monitoring & Management Rs. 50 Lakh will be allocated.</p> <p>Timeline: During every season monthly monitoring of Environmental Attributes.</p>
7.	<p>Shri. Dilip Jagannath Bhakare Pisewadi, Taluka Malshiras, District Solapur</p> <p>What are the benefits of the proposed project to the people of the surrounding villages?</p>	<p>Response: Project Environmental Consultant answerd that, the factory will provide direct and .indirect employment to the peopleThe project will increase the by-products and benefit the member farmers to get increased sugarcane buying price.</p>	---
8.	<p>Shri. Appasaheb Rede-Patil Mahalung, Taluka-Malshiras, District Solapur</p> <p>What kind of new oxygen supplying plants are going to be planted in the expansion project?</p>	<p>Response: Project Environmental Consultant answerd that, list of relevant trees are given in Greenbelt Plan. Thereunder native species of .trees like Limb, Karanj, , Vad are considered</p> <p>CPCB guidelines will be follwed while .implementing densification of Green Belt</p> <p>Action Plan: As per MoEFCC norms, green belt should be developed on 33% of the total plot area of industry. Industry has already developed 33% of GB Area. Total 75,355 No. of trees will be planted for densification under the expansion. Subsequent to RO visit, additional 500 trees were planted for augmentation & densification of green belt. Moreover, to achieve the survival rate of trees @ 95%; a drip irrigation system along with dedicated manpower is provided for maintenance of the new plantation.</p>	<p>Budget: Under green belt development 1 Cr is allocated for the densification.</p> <p>Timeline: Densification will be completed till Dec. 2024.</p>

9.	<p>Shri. Ashok Shinde, Velapur, Taluka-Malshiras, District-Solapur.</p> <p>How long will the distillery project continue?</p>	<p>Response: Project environmental consultant answered that, distillery project will operate for 330 Days/Year.</p>	
10.	<p>Shri. Santosh Machhindra Ekatpure, Malewadi, Taluka- Malshiras, District-Solapur.</p> <p>How much spent wash will be produced in the proposed Distillery Plant? And how will it be disposed off?</p>	<p>Response: In the proposed Distillery Unit 940 M³/D Raw spent wash and 102 M³/D Conc. Spent wash will be generated. Raw Spentwash will be fed to MEE. MEE will be evaporated and concentrated. The Concentrated spent wash will be processed in dryer to form powder.</p> <p>Action Plan: Effluent generated under expansion distillery, total raw spentwash will be generated @ 940 M³/D, same will be concentrate in Multiple Effect Evaporator (MEE) and the conc. spentwash @ 102 MT/D will be dried in Dryer to form powder. Other effluents viz. spent lees @ 162 M³/D, MEE condensate @ 838 M³/D and other effluents @ 133 M³/D in total 1133 M³/D will be treated in proposed CPU under distillery unit. <i>No any discharge of effluent will be let outside the industrial premises.</i></p>	<p>Budget: Under proposed project Rs. 12.75 Cr. shall be spent on Water Pollution Control (Installation of Distillery CPU Upgradation of ETP & CPU, Dryer) with O & M cost of Rs. 50 Lakh. For the Environmental Monitoring & Management Rs. 50 Lakh will be allocated.</p> <p>Timeline: Year 2024-25; after grant of EC.</p>
11.	<p>Shri. Tatyasaheb Kumbhar</p> <p>Shankarnagar, Taluka Malshiras, District Solapur</p> <p>Will the project cause noise pollution?</p>	<p>Response: Mainly the noise pollution form: Mills, Compressors, Boilers, Turbines and D.G. in Sugar Factory will be the main source of noise pollution. Adequate precautions will be taken and by regular maintenance of machinery to ensure that the employees do not suffer from noise pollution and once a year a health checkup camp will be organized. The said project will not cause noise pollution.</p> <p>Action Plan: Isolation, Separation and Insulation techniques adopted for Noise Pollution Control & PPE as Earmuffs, Earplugs provided to staff & workers.</p>	<p>Budget: For the Noise Pollution Control Rs. 50 Lakh will be allocated & 5 Lakh will be allocated for Operation & Maintenance.</p> <p>Timeline: Maintenance of equipment before start of every season.</p>