Details of EC Conditions:

Part-II

Compliance Status

Expansion of existing distillery unit from 150 to 550 KLPD by M/s. Rajarambapu Patil Sahakari Sakhar Karkhana Limited

SPECIFIC CONDITIONS				
	Conditions	**Condition Heading**	**Compliance**	**Remarks**
1.	As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed expansion capacity of 400 KLPD shall only be used for fuel ethanol manufacturing as per self-certification in form of a notarized affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.	Statutory Compliance	Currently, the expanded 400 KLPD unit has been put on hold by the management due to a change in the Government's policy regarding raw materials. Hence, production is of 150 KLPD (as per previous EC). We assure that after the expansion, the ethanol produced by the distillery will be fully supplied to the Ethanol Blended Petrol (EBP) Programme, in line with the Government of India's directives. No diversion of ethanol for any other purpose will occur. Further, it is hereby confirmed that continuous ethanol production is being maintained after expansion. No alternate products are being manufactured from the expanded capacity.	Agreed to Comply
2.	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	Statutory Compliance	Noted. Currently, the expansion is on hold. The factory will fully comply with the condition by implementing all environmental protection measures and safeguards as proposed in the EMP documents, including those related to environmental management and risk mitigation.	Agreed to Comply
3.	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	Statutory Compliance	Noted and will abide by this condition.	Agreed to Comply

SPECIFIC CONDITIONS				
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	(CLU) certificate shall be obtained before start of construction activities.			
4.	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 groundwater shall be used for the plant operations.	Statutory Compliance	NOC of local panchayat is received. The unit is sourcing water only from approved surface water sources as per the permission granted by the Irrigation Department. No groundwater is being used for plant operations. Consent to Operate (CTO) for 150 KLPD has been obtained from the State Pollution Control Board after submission of the above permissions	Complied by PP
5.	Total Fresh water requirement after proposed expansion shall not exceed1908 m3/day, which will be met from River Krishna. During crushing season, treated effluent from sugar condensate shall be used for distillery manufacturing process in order to reduce the 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.	Water Quality Monitoring And Preservation	Factory is having water lifting permission from the Krishna River -1100 m^3/day MIDC lift irrigation scheme. Currently, fresh water requirement is restricted to 450 m3/day for a 150 KLPD distillery unit. The factory has rainwater storage with a capacity of more than 60 days. Collected water is used in the industry to reduce fresh water intake. The management will control and restrict its fresh water intake to 1908 m3/day after expansion.	Complied by PP
6.	The spent wash form molasses-based distillery shall be concentrated in MEE followed by drying. Spent wash/stillage from grain based distillery shall be decanted followed by the multiple effect evaporator and dryer to form DDGS. Other lean effluents Spent lees, MEE Condensates and utility	Water Quality Monitoring And Preservation	Distillery is ZLD based unit. In the existing 150 KLPD unit, Raw spent wash is concentrated in a standalone Multi-effect evaporator; Conc. spent wash of approx. 55 to 60 percent solids are burnt in an incineration boiler with bagasse as a primary fuel.	Partially Complied. Agreed to comply STP condition.

SPECIFIC CONDITIONS				
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	effluents shall be treated in the condensate polishing unit (CPU) comprising of three stage RO. STP shall be installed to treat sewage generated from factory premises. CPU for treatment of sugar effluent shall be provided with RO so that treated effluent can be recycled for distiller process. Sludge drying beds shall be replaced by Filter press. Capacity storage of concentrated spent wash shall not exceed 5 days. 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 no bio composting treatment shall be provided for treatment of spent wash.		Bio-composting of spent wash is totally stopped (Discontinued) CPU has been installed to treat condensate from the MEE unit and other lean effluent such as spent lees, etc. Storage capacity of concentrated spent wash lagoons is not exceeding 5 days. STP installation is in process.	
7	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. No wastewater or treated water from integrated unit of sugar mill and distillery shall be discharged outside the premises and Zero Liquid Discharge shall be maintained for all the units namely sugar, Distillery and Cogen Power Plant.	Water Quality Monitoring And Preservation	An adequate number of groundwater monitoring stations (piezometers) have been installed at strategic locations around the project area to assess groundwater quality. Groundwater sampling is being carried out on a regular basis, and trend analysis is being conducted to assess any variation in groundwater quality over time. Groundwater quality is being monitored for the prescribed parameters, namely pH, BOD, COD, Chloride, Sulphate, and Total Dissolved Solids (TDS). The monitoring reports are being regularly submitted to the State Pollution Control Board (SPCB) and the Regional Office of MoEF and CC as per stipulated requirements. The integrated unit comprising sugar mill, distillery, and	Complied by PP

SPECIFIC CONDITIONS				
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			cogeneration power plant is operating under a Zero Liquid Discharge (ZLD) system. No wastewater, treated or untreated, is being discharged outside the plant premises. All effluent generated is being treated and reused/recycled within the process, ensuring no external discharge.	
8.	As proposed, no new boiler shall be installed for proposed expansion. Existing APCE Electrostatic precipitator with a stack of height of 62 m is installed with the existing 32 TPH bagasse fired boiler for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm3 which will be used after expansion boiler. 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.	Air Quality Monitoring And Preservation	Noted No new boiler has been installed. The existing 32 TPH bagasse-fired boiler is being utilized. The existing Electrostatic Precipitator (ESP) installed with the boiler, along with a stack of height 62 m, is being used for control of particulate matter emissions. The particulate matter emissions are being maintained within the prescribed limit of 50 mg/Nm3 Regular monitoring is being carried out to ensure compliance with statutory norms, and at no time are emission levels exceeding the prescribed standards. In the event of failure of the pollution control system, the concerned unit is shut down immediately and is not restarted until the control measures are rectified and the desired efficiency is achieved. Performance evaluation of the pollution control system (ESP) is being conducted annually to ensure its proper functioning and efficiency.	Complied by PP

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9.	Boiler ash (14,535 TPA) shall be supplied to the brick manufacturers in closed trucks. PP shall use biomass as fuel for the proposed boiler. PP shall meet 15% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas.	Waste Management	Boiler ash generated from the unit is being supplied to brick manufacturers. The ash is transported in closed/covered trucks to prevent fugitive emissions and spillage during transit. Biomass i.e. bagasse is being used as fuel in the boiler as proposed. No other unauthorised fuel is being used. The project proponent is meeting 10 percent of the total power requirement through solar power generation installed within the plant premises/adjacent areas. The solar power system is operational and contributing to the plant's energy demand.	Complied by PP
10.	CO2 (425 TPD) generated during the fermentation process will be collected by utilizing CO2 scrubbers and it shall be sold to authorized vendors/ collected in proposed bottling plant.	Statutory Compliance	Noted. Suppliers have been identified, and work is in progress towards the same. We assure you of our adherence to this condition.	Agreed to comply
11.	PP shall allocate at least Rs. 0.5 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	Human Health Environment	We assure for abiding by this term, Rs. 50 Lakhs/annum is allocated for Occupational Health & Safety. PPE have been provided to workers.	Complied by PP for provision of PPE. Agreed to comply for Rs. 50 L/year on health and safety.
12.	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	Risk Mitigation And Disaster Management	Noted. The management complies with this condition by organizing Mock drills related to safety. It provides internal training to its workers on safety and health aspects.	Complied by PP

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13.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting 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.	Risk Mitigation And Disaster Management	PESO licence is available. The fire protection system has been implemented as per OISD 117. Fire extinguishers and other equipment, including sprinklers/Fogging system, are available in the Fermentation unit, alcohol storage units, etc. Risk zone is restricted within the boundary of the project.	Complied by PP
14	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	Waste Management	Noted. Yeast sludge is organic in nature. It is mixed into the soil as a soil-enriching material. Incineration ash is sold to brick manufacturing units to make bricks.	Complied by PP
15	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.	Waste Management	Noted. In the existing unit, these measures are already in place. Waste minimization is done at all stages of manufacturing process Steam is reused. Spent lees – partially recycled in the process. Alcohol vapour condensing system is in place at storage tanks The management will continue these practices even after expansion.	Complied by PP
16	Out of the total plant area 20.05 Hectares, i.e. 25% of the total plant	Greenbelt	We have developed a greenbelt within the plant premises by	Partially Complied by

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	area has already been developed as greenbelt &plantation and the same will be maintained and additional 6.17 Hectares will be developed under greenbelt & plantation in and around plant premises to meet the requirement of 33% greenbelt development by November, 2023. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed by November, 2023.		using native tree species. The existing greenbelt at RBPSSKL occupies 21.85 Ha and consists of approx. 40 types of species	PP
17	PP proposed to allocate Rs. 3.00 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.	Corporate Environmental Responsibility	As a part of its social commitment, it has initiated and implemented several activities. It conducts various schemes and programs in the spheres of education, health, social welfare, and agriculture independently as well as in association with Rajarambapu Endowment Trust, Jayant Poverty Eradication Mission, and similar agencies. As of now, more than Rs. 35 L has been used for the CER activities. It includes Rs. 11 L for educational activities, Rs. 3.64 L for medical expenses, and Rs. 20 L towards promoting sports activities	Partially Complied

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			amongst local youth.	
18	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.	Transport Management Plan	Out of the total plot area, 15 per cent i.e. 11.92- Ha is allocated separately for parking purposes.	Complied by PP
19	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.	Miscellaneous	The factory ensures that raw materials, including molasses, are stored in covered areas or silos to prevent dust pollution and fugitive emissions. Molasses is stored in designated storage tanks within covered areas. Biomass is bailed and stored in covered sheds with curtains to prevent suspension during high winds. Internal roads are paved and periodically cleaned. The Air Pollution Control System is interlocked with the process plant/machinery to trigger a shutdown in case of equipment failure.	Complied by PP
20	Continuous online (24x7) monitoring system for stack emissions 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	Statutory Compliance	In existing unit OCEMS and web camera with flow meter for effluent is installed. Continuous online (24x7) monitoring system for stack emissions is also installed in the existing unit. For new stack (proposed in the expansion up to 550 KLPD), it will be installed. The management assures you for	Complied by PP

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	premises		abiding the said condition. project.	
21	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.	Miscellaneous	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) is in place. EMC is equipped with full-fledged laboratory facilities. Environmental Monitoring is performed as per the compliance requirements. EMC head report directly to the Chairman of the factory i.e. a top position as per company hierarchy.	Complied by PP
22	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	Statutory Compliance	The factory acknowledges the importance of raising awareness regarding the ban on Single- Use Plastics. The factory has taken initial steps by displaying posters in prominent areas within the premises to inform and sensitize the workforce.	Complied by PP

General Conditions				
	Condition	**Condition Heading**	**Compliance**	**Remark**
(i)	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, afresh 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.	Statutory Compliance	Noted. The management strictly adheres to the stipulated conditions.	Agreed to Comply
(ii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Energy Preservation Measures	We have prioritized energy conservation and environmental betterment by equipping the facility with energy-efficient LED lighting fixtures and advanced illumination systems across all operational zones.	Complied by PP
(iii)	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).	Noise Monitoring & Prevention	Noise control measures such as acoustic hoods, silencers, enclosures, etc., are being implemented. Earmuffs are provided to the workers in the existing plant area, and they will continue in the new expanded unit. Regular maintenance of the equipment, and thick greenbelt development have been undertaken in the plant to minimise the Noise.	Complied by PP

(iv)	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.	Corporate Environmental Responsibility	Agreed and complying. CER budget has been allocated properly, and accordingly, utilization is in progress. It is prepared based on the needs and demands of the local public in the vicinity of the project area. As a part of its social commitment, it has initiated and implemented several activities. It conducts various schemes and programs in the spheres of education, health, social welfare, and agriculture independently as well as in association with Rajarambapu Endowment Trust, Jayant Poverty Eradication Mission, and similar agencies.	Agreed and comply
(v)	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.	Environment Management Plan	Noted. Env management capital cost-4935.00 Lakh Recurring cost -135.00 Lakh The company has allocated dedicated funds for both the capital and recurring costs necessary to meet the environmental conditions stipulated by the MOEFCC and the State Government. Management has decided to hold project due to change in ethanol policy	Agree to comply
(vi)	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/representation, if any, were received while processing the proposal.	Statutory Compliance	Noted. A copy of the Environmental Clearance letter has been duly forwarded to the concerned Gram Panchayat/Zilla Parishad/Municipal Corporation/Urban Local Body and the concerned local NGO(s), As part of our commitment to transparency, any local NGOs that provided suggestions or representations during the proposal processing will also receive copies of the clearance letter.	Complied by PP

(vii)	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 email) 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.	Statutory Compliance	We submit six-monthly compliance reports detailing the implementation status of all stipulated Environmental Clearance conditions, along with monitored environmental data to the Regional Office of the MoEFCC, the Zonal Office of the CPCB, and the MPCB. Additionally, a copy of the Environmental Clearance and these six-monthly compliance reports are publicly hosted and maintained on the company website.	Complied by PP
(viii)	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.	Statutory Compliance	We submit the annual Environmental Statement for each financial year ending 31st March in Form-V to the Maharashtra Pollution Control Board as mandated under the Environment (Protection) Rules, 1986, as amended. Additionally, Form-V is uploaded to the official company website alongside the Environmental Clearance compliance status report, and an electronic copy is submitted to the Regional Office of the MoEFCC via the PARIVESH portal.	Complied by PP
(ix)	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	Statutory Compliance	The factory has published advertisements regarding the granted Environmental Clearance (EC) from MOEF and CC. The advertisement was placed in one regional language newspaper (Marathi) and one English newspaper, i.e., Dainik Pudhari, which are widely circulated in the region.	Complied by PP

	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.			
(x)	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.	Statutory Compliance	PP has agreed to comply	Agreed to comply
(xi)	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 to this project.	Statutory Compliance	Noted.	Agreed to comply