

Annexure-I
Additional Conditions

1. This CFO expansion is issued for the period up to 30.06.2026 Co-terminus with the existing validity of the CFO for the period up to 30.06.2026.
2. This CFO expansion is issued for the expansion of existing Distillery From 90 KLD to 300 KLD (overall expansion of 210 KLD) dual feed i.e. Cane juice & Grain and to increase liquid carbon dioxide plant capacity from 30 TPD to 100 TPD (overall expansion of 70 TPD).
3. The industry shall comply with all the conditions stipulated in the EC issued from MoEF and CC vide No.F.No.J-11011/341/2012-IA-II-(I) dated 16.10.2019 and 26-10-2021 for proposed expansion project.
4. The industry shall comply with all the conditions stipulated in the CFE conditions issued by the Board vide No. CTE-328183, dated: 19.11.2021.
5. The authorities have paid Rs. 15,00,000/- as Consent fee for CFO expansion based on the CI of Rs. 5566 /- Lakhs.
6. The applicant shall comply with the quantity of water consumption, waste water generation and treatment and disposal of treated water for Distillery plant for the proposed expansion activity as per the following table:

Sl. No	Sources	Water Consumption in KLD	Waste Water Generation in KLD	Mode of treatment and final disposal
I	Domestic purpose	06	5.4	Shall be disposed to Septic tank and soak pit
II	Manufacturing Process	2245	1023	Cane syrup as raw material - If the industry is using cane syrup as raw material in the proposed expansion activity, the Raw Spent wash generated from the process of 210 KLD shall be concentrated using MEE & this concentrated spent wash shall be dried (in the spray drier) to produce potash powder. Grain as raw material - if the industry is using grain as raw material then, the thin slops generated after recovery of alcohol shall be sent to decanters and evaporators to recover the process condensate and wet cake. Further, the wet cake shall be sent to Steam tube bundle dryer to produce distilled dried grain soluble material and the process condensate generated shall be sent back to existing CPU of sugar unit for further treatment and recycling the treated water for the process
III	Others (Green Belt)	Nil	Nil	--
	Total	2251	1028.4	--

7. The applicant shall treat the domestic sewage in Septic tank followed by soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470, Part –I & Part –II.
8. The Spent wash generated from the process, when the industry is using **Sugar Cane syrup/juice as raw material** in the proposed expansion activity, the Raw Spent wash generated from the process of 210 KLD shall be concentrated using MEE & this concentrated spent wash shall be dried (in the spray drier) to produce potash powder.
9. The Spent wash generated from the process, when the industry is using **Grain as raw material** then the thin slops generated after recovery of alcohol shall be sent to decanters and evaporators to recover the process condensate and wet cake. Further, the wet cake shall be sent to Steam tube bundle dryer to produce distilled dried grain soluble material and the process condensate generated shall be sent back to existing CPU of sugar unit for further treatment and recycling the treated water for the process
10. All the effluent treatment units shall be stabilized one month prior to the start of the crushing season and continue to operate one month after the crushing season.
11. The applicant shall treat Distillery condensate Polishing Unit and the treated effluent shall be reused in Co-generation cooling tower makeup water and in distillery section.
12. Industry shall comply with all the directions/decision taken in the Personal Hearing held on 28.10.2021 which is communicated to the industry on 30.10.2021.
13. The applicant shall not dig the new Bore wells within the premises.
14. The applicant shall take suitable steps so that there will be reduction of the fresh water consumption as well as waste water generation from the industry.
15. The applicant shall construct the wind breaking walls to prevent the spread of fugitive emission before the start of next crushing season.
16. The applicant shall not store untreated/partially treated effluents in the unlined lagoons and the entire effluent shall be treated and used for irrigation following the consent conditions.
17. Industry shall metal all the internal roads to control the fugitive emissions due to vehicular movement.
18. The analysis of treated trade effluent shall never exceed the stipulated standard and in any case the treated effluent is exceeding the standard the applicant shall take appropriate step to maintain the ETP units to ensure treated water always complies with the stipulated standard.
19. Industry shall provide dyke wall of another 2 m height within 1month for molasses storage tank.
20. The applicant shall increase the number of fields (1Nos) to the existing ESP to ensure the Particulate matter concentration shall be within the stipulated standards.
21. Applicant shall implement comprehensive Strom water Management plan within 1 month.
22. The ground water contamination study report shall be submitted within 1month and all the recommendations made shall be implemented with time bound Action plan.
23. Industry shall not discharge spent wash generated from the proposed expansion activity on land for irrigation or to carry out composting activity but the same shall be treated with MEE and dried to produce potash powder (in case of cane syrup) and evaporate to produce wet cake (in case of grain).

Spent wash management:

- **Cane syrup as raw material** - If the industry is using cane syrup as raw material in the proposed expansion activity, the Raw Spent wash generated from the process of 210 KLD shall be concentrated using MEE & this concentrated spent wash shall be dried (in the spray drier) to produce potash powder.
- **Grain as raw material** - if the industry is using grain as raw material then, the thin slops generated after recovery of alcohol shall be sent to decanters and evaporators to recover the

process condensate and wet cake. Further, the wet cake shall be sent to Steam tube bundle dryer to produce distilled dried grain soluble material and the process condensate generated shall be sent back to existing CPU of sugar unit for further treatment and recycling the treated water for the process.

24. Industry shall treat the process condensate generated from the proposed expansion (from different feed stock) and during the evaporation process in the Condensate Polishing Unit.
25. There shall not be any leakages, stagnation of trade effluent in the nearby water body existing to the lagoons.
26. All the lagoons shall be made impervious and regular monitoring of ground water shall be carried out in the Bore well/ Open well.
27. All the lagoons shall be constructed above ground level.
28. The applicant shall provide the impervious collection sump to collect the molasses spillages before start of this crushing season.
29. The applicant shall improve the house keeping within the industrial area.
30. The applicant shall use the yeast sludge in the compost yard to prepare bio compost and sell to the farmers.
31. The Bagasse shall be used as fuel in the boiler.
32. The press-mud, boiler ash, yeast sludge, shall be mixed to convert the same to compost and shall be given as manure to member farmers.

B. DISCHARGE OF EMISSIONS UNDER THE AIR ACT:

- 1 There shall not be any new air pollution sources due to the proposed expansion activity. **However industry is permitted to establish spray drier under expansion project for which they have proposed to provide 80 m chimney with existing ESP. the PM concentration from the spray drier shall not exceed 30 µg/NM3.** The details shall be submitted by the industry.
- 2 Fugitive emission near manufacturing area has to be controlled by adopting advance technology. Progress made in this regard shall be furnished.
- 3 If there is going to be any new air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.
- 4 The applicant shall carryout the ambient air quality monitoring and submits the report to the Regional Office of the Board. The AAQM stations shall be carried out in all the established stations as per the requirement under the National Ambient Air Quality Monitoring Standards stipulated in Environmental (Protection) Rules, 1986. The industry shall furnish statistical analysis for annual average of pollutants at all the locations as per Ambient Air Quality standards Notification once in a year.
- 5 The analysis of stack monitoring shall never exceed the stipulated standard and in any case the stack analysis is exceeding the standard the applicant shall take appropriate step to maintain the air pollution control equipment to ensure stack emission always complies with the stipulated standard.
- 6 The applicant shall treat and dispose any liquid effluents produced in the course of control of air pollution by scrubbing, conditioning etc., of flue gases in accordance with the provisions of the Water (Prevention and Control of Pollution) Act, 1974. The details of such discharges shall be quantified and monitored immediately after commissioning and details of collection, treatment and disposal shall be furnished to the Board.
- 7 The Ash generated from the industry shall be collected directly in truck through closed conveyor system & same shall be mixed with Bio digested press mud and used as a soil conditioner or for brick manufacturing. There shall not be any storage of fly ash within the premises for more than 24 Hours.

C. HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES 2016:

1. The industry shall apply and obtain authorization under Hazardous Wastes (Management, Handling & Transboundry Movement) Rules 2016, and comply with the conditions of the authorization.
2. The applicant shall comply with the terms and conditions stipulated in authorization.
3. The applicant shall dispose all the Hazardous waste to the authorised designated recyclers only.

D. GENERAL CONDITIONS

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
2. The Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
3. The Noise generated in the factory shall be within the prescribed limits of 75 dB (A) leq. During day time and 70 dB (A) leq during night time.
4. The applicant shall comply with the noise standards for work zone exposure for industrial workers as per the Factories Act/Noise Pollution (Regulation and Control) Rules, 2000.
5. There shall not be any complaint against the industry on water, air, noise pollution from the surrounding general public.
6. The applicant shall carryout intensive plantation/ thick vegetation all round to minimize air & noise pollution. The action taken report shall be submitted to the Board immediately.
7. The applicant shall not discharge treated water/untreated water in to the water body at any point of time.
8. The industry shall provide rain water harvesting system within the premises to conserve the Water Source.
9. The industry shall provide 15 days storage tank for storing treated trade effluent.
10. The applicant shall always ensure that the bagasse & boiler ash shall not be stored in an open land, which may cause dust nuisance in the surrounding area during wind blow.
11. The applicant shall store the metal scrap, plastic waste, glass wool and other solid waste scientifically in a designated separate shed within the industrial premises and the same shall be handed over to authorized recycler/agency with proper approval from the Board.
12. The applicant shall store the used containers scientifically in a designated separate shed within the industrial premises and the same shall be handed over to authorized recycler/agency with proper approval from the Board.
13. The industry shall provide online emission monitoring system, effluent monitoring system and the data shall be connected to CPCB and SPCB server as per CPCB directions.
14. The industry shall provide separate energy meter to the ETP and flow meter to inlet and outlet of ETP.
15. The industry shall provide stainless steel tank for storage of concentrated spent wash.
16. The applicant shall conduct intensive awareness programs on E- waste management, Plastic Waste management program to public including nearby school children.
17. The applicant shall conduct Environmental audit of different Environmental attributes for conservation of resources.

For and on behalf of the KSPCB


SENIOR ENVIRONMENTAL OFFICER