

ANNEXURE – I

STANDARDS FOR DISCHARGE OF TREATED TRADE EFFLUENT ON LAND FOR IRRIGATION

(As per MOEF No. G.S.R. 1265(E), dated: 13.10.2017)

Sl. No.	Parameters	Tolerance limits.
1.	Colour and Odour.	See Note.
2.	Suspended Solids mg/l.Max.	100
3.	pH value.	5.5 to 8.5
4.	Oil and Grease mg/l. Max.	10
5.	Bio-chemical Oxygen Demand, mg/l. (3 days at 27°C) max.	100
6	Total dissolved Solids (TDS), mg/l	2100

Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.

The applicant shall comply with the guidelines issued by Central Pollution Control Board for utilization of treated effluent in irrigation Published on September 2019 (Copy of guidelines is available at https://kspcb.gov.in/Circular_4588-26-11-2019.pdf).

ANNEXURE – II

Sl No	Chimney Attached to	Minimum Chimney Height to be Provided Above ground level	Constituents to be controlled in the emission.	Tolerance limits Mg/Nm ³	Air Pollution Control equipment to be installed, in addition to Chimney height as per Col (3)
1.	150 TPH Boiler	85 M AGL	PM	150	ESP

NOTE: The Noise level shall not exceed 75 dB(A) leq. During day time (6 AM to 9PM) and 70 dB (A) leq. during night time (9 PM to 6 AM).



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ANNEXURE – III

ADDITIONAL CONDITIONS TO ACCOMPANY CONSENT FOR ESTABLISHMENT (EXPANSION) ORDER OF M/s. BILAGI SUGAR MILL LIMITED-BADAGANDI, VILLAGE-BADAGANDI, TALUKA-BILAGI, DIST-BAGALKOT.

Preamble:

M/s. Bilagi Sugar Mill Limited-Badagandi, Village-Badagandi, Taluka-Bilagi, Dist-Bagalkot is a large red category industry engaged in production of White Crystal Sugar with Sugar cane crushing capacity of 5000 TCD and Co-generation power plant of 30 MW. The industry is having valid consent for the period up to 30-06-2021 vide Combined Consent Order No AW-304259 PCB ID: 10034 Dated:17.01.2017.

The industry has obtained Environmental Clearance from SEIAA for expansion of the industry by enhancing the Sugar cane crushing capacity from 5000 TCD to 10,000 TCD and Co-generation plant from 30 MW to 60 MW vide letter No. SEIAA 10 IND 2018, Dated: 18.09.2019. The industry has applied for CFE exp of the Board under both the Water & Air Acts for enhancing the Sugarcane crushing capacity from 5000 TCD to 10,000 TCD and Co-generation plant from 30 MW to 60 MW. The issue of CFE (Exp) to the industry was discussed in the 1st State Level Enforcement Committee Meeting held on 01.07.2020, wherein the committee has recommended to call the industry for Personal Hearing before Chairman and to take the decision for disposal of CFE Exp application. Accordingly, the industry was called for personal hearing on 25.08.2020, after hearing, it was directed the industry shall install and commission Condensate Polishing Unit (CPU) before commencement of next crushing season and issue of CFE Expansion for enhance sugar cane crushing shall be considered after the industry submit proposal of CPU unit and action taken report on the above directions. Accordingly, Consent for establishment (expansion) is hereby issued with following additional terms and conditions;

- 1) This consent for establishment (Expansion) is issued under the Water Act and Air Act to the industry for the following;**

Sl. No.	Product	Maximum capacity
1.	Sugarcane crushing	5,000 TCD to 10,000 TCD
2.	Power generation using Co-generation	30 MW to 60 MW

- 2) The validity of this Consent for Establishment (Expansion) is upto 17.09.2026 (Co-terminus with the validity of EC).**

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT:

1. After expansion the daily quantity of effluent generation from sugarcane crushing and Co-generation power plant shall not exceed 1000 KLD and same shall be treated in existing Effluent Treatment Plant of capacity 1000 KLD.

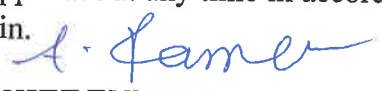

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Source	Water Consumption in KLD		Waste generation in KLD		Mode of Treatment and disposal
	Existing	Expansion	Existing	Expansion	
Domestic	80	100	64	80	Proposed to treat in septic tank & soak pit.
Process (Sugar Plant)	500	400	500	600	Proposed to treat in existing ETP of 1000 KLD and treated trade effluent shall be used on land for irrigation.
Effluent from Water treatment plant, R.O Plant, Boiler & Cooling tower make up (Co-generation Power plant) and condensate effluent from the sugar mill.	784	2500	365	400	Proposed to treat in new Condensate Polishing Unit (CPU) of 3500 KLD and the treated water shall be recycled back into cooling tower make.

- The treated effluent shall not contain constituents in excess of the tolerance limits laid down as indicated in **Annexure -I**.
- The treated trade effluent shall be used on land for irrigation and green belt development in their own land.
- Industry shall construct and commission Condensate Polishing Unit (CPU) of capacity 3500 KLP before commencement of next crushing season to treat the effluent generated from Water treatment plant, R.O Plant, Boiler & Cooling tower make up (Co-generation Power plant) and condensate effluent from the sugar mill and over flow of the CPU shall be recycled back into cooling tower make up.
- The domestic effluent generation from the unit shall not exceed 80 KLD and same shall be treated in Septic tank and soak pit and no overflow from the soak pit is allowed.

B. AIR POLLUTION CONTROL:

- The discharge of emissions from the additional air emission sources shall pass through the air pollution control equipment and discharged through stacks/ chimneys mentioned in Annexure-II, where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.
- The industry shall upgrade/ modify/ replace the control equipment's if they are found inadequate to meet the standards stipulated. Prior permission of the Board shall be obtained for the same.
- The industry shall provide port holes for sampling the emissions and access platforms for carrying out stack sampling and provide electrical outlet points and other arrangements for all stacks/chimneys and other sources of emissions so as to collect samples of emissions by the Board or the applicant at any time in accordance with the provisions of the Act and Rules made therein.


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C. MOLASSES STORAGE:

1. The applicant shall store the molasses only in steel tanks covered with proper roof and dyke wall around it.
2. Adequate number of steel tanks shall be provided for containment of molasses.
3. Containment of molasses in earthen pits is not allowed.
4. The applicant shall obtain permission from the Board to dispose-off the spoiled Molasses and it shall be disposed-off in a manner as laid down by the Board.

D. GENERAL CONDITIONS:

1. The industry shall submit point wise compliance report to the consent conditions within 30 days.
2. The industry shall comply with the guidelines issued under "Corporate Responsibilities for Environment Protection" (CREP 2003 issued by Moef & CPCB).


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