

# MAHARASHTRA POLLUTION CONTROL BOARD

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 Mumbai - 400 022

Ref/LSI

Date: 21/01/2015

Consent No/Format - I.0/BO/CAC-CELL/EIC NO.KI-16115-14/E/CAC- 4573

To,  
 M/s. Cane Agro Energy (India) Ltd.,  
 A/y- Raigaon, Post. Hingangaon (BK),  
 Tal. Kedgaon, Dist. Sangli - 415305.

**Subject: Revalidation of Consent to Establish for 45 KLPD molasses base Distillery Unit under RED category.**

Ref : 1. Consent to Establish granted by the Board vide no. BO/Sangli-40/E/CC-253 dtd 12.10.2001  
 2. CAC meeting held on 24.02.2015

Your application: 1409000801.  
 Dated: 23.09.2014.

For: Revalidation of Consent to Establish for 45 KLPD molasses base Distillery Unit under RED category under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, & III annexed to this order:

- The consent is granted for a period up to commissioning or up to 12.10.2020 whichever is earlier.
- The Capital investment of the proposed Distillery Unit is Rs 50.00 Crs & Capital investment of the existing Sugar unit is Rs. 43.63 Crs. (As per C.A. Certificate submitted by industry)
- The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UoM
1	Rectified Spirit OR	1350	KL/M
2	Extra Neutral Alcohol OR	1269	KL/M
3	Absolute Alcohol	1222.5	KL/M

(Distillery Capacity shall not exceed Molasses based 45 KLPD)

- Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (CAYD)	Standards to be achieved	Disposal
1.	Trade effluent	450 (32 after volume reduction)	As per Schedule -I	Bio-methanisation followed by Multiple effect evaporation followed by incineration Boiler.
2.	Domestic effluent	04	As per Schedule -I	On land for irrigation

5. Conditions under Air (Prevention) Act, 1986 for air emissions.

6. Conditions under Hazardous Waste (Management & Handling) Rules, 2008 for treatment and disposal of hazardous waste:

Industry shall not generate any hazardous waste.

7. Non-Hazardous Solid Wastes:

Sr. No.	Waste	Quantity	Disposal	Remarks
1	Boiler Sludge	3.0	T/D	Used as Manure


8. Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.

10. The applicant should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.

11. Industry shall obtain revalidation of EC & amendment for change in name.

For and on behalf of the  
Maharashtra Pollution Control Board

  
(Dr. P. Anbalagan, IAS)  
Member Secretar

Received Consent fee of -

Sr. No.	Amount (₹)	DD. No.	Date	Drawn On
01	Rs. 1,00,100/-	004403	09.07.2014	Bank of India.
02	Rs. 1,00,000/-	004522	27.03.2015	Bank of India.

Copy to:

1. Regional Officer - MPCB, Kolhapur, and Sub -Regional Officer - Sangli, MPCB, They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CAC desk- for record & website updation purposes.

**Schedule-I**

**B) Terms & Conditions for compliance of Water Pollution Control**

A) The applicant shall ensure that the effluent from the distillery shall be treated in Multiple Effect Evaporator. The Concentrated spent wash will be sent to the Bagasse & burnt in Boiler to achieve zero discharge.  
 Condensate water will be recycle/reused for the cooling tower make up water  
 Effluent generated from the stillage will be treated in the effluent treatment plant

B) In no case effluent shall find its way for gardening/outside factory premises.

D) The operation of distillery should be restricted to 270 days in a year and that it will not operate during rainy season.

1) The industry shall create Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.

2) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines if applicable.

**11) Conditions under Water (Prevention & Control of Pollution) CESS Act, 1977 as amended**

The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-1 and other provisions as contained in the said act.

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, boiler feed etc.,	179.0
2.	Domestic purpose	10.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	375.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	—

*[Handwritten Signature]*

Annexure-II  
Terms & conditions for consent for Air Pollution Control

The proposed to erect following air pollution control system with the following fuel pattern

Sr. No.	Equip. Name	Equip. Type	Capacity	Fuel	Quantity	Unit	SO <sub>2</sub> %	NO <sub>x</sub> %
1.	Incineration Boiler	Wet Scrubber	72	Biogas	960	M <sup>3</sup> /D.	---	---
				Bagasse	76.8	MT/D	0.2%	307.2
				Conc. Spent wash	31.2	MT/D	1%	---
2.	DG set of 250 KVA	----	3.0	HSD	600	Ltrs./D	1%	12.0

2. Industry shall provide H2S Scrubber in case of gaseous fuel for treatment at the point of generation with adequate stack height.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:
 

Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
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6. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
7. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

**Schedule III**

M/s. Cane Agro Energy (India) Ltd.

Sr. No.	Contract No.	Amount of BG imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
	107/	Lakhs	15 days	Not to take any effective steps for implementation of the project prior to obtaining EC.	01/01/2011 to 31/03/2011	1 year

**Schedule-IV**  
**General Conditions**

- 1) The applicant shall provide in place, collection of environmental samples and samples of trade and sewage effluents and samples of hazardous waste to the Board staff at the time of visit to the factory.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) The applicant shall provide ports in the chimney (s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) The firm shall submit to this office, the 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW (MH&TM) Rules 2008, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 8) The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
- 12) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 15) Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with

insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure, to be averaged and then average

level should be made. Efforts should be made to bring down noise level due to DG set, outside industrial premises, while ambient noise level should be kept below stipulated measures.

15) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.

- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in accordance with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) DG set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 16) The industry should not cause any nuisance in surrounding area.
  - 17) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
  - 18) The applicant shall maintain good housekeeping.
  - 19) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end.
  - 20) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
  - 21) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
  - 22) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
  - 23) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
  - 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
  - 25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
  - 26) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
  - 27) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

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