

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781  
/4037 24/4035273  
Fax : 24044532/4024068 /4023516  
Email : [enquiry@mpcb.gov.in](mailto:enquiry@mpcb.gov.in)  
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga  
Scheme Road No. 8, Opp. Cine Planet Cinema, Near  
Sion Circle, Sion (E),  
Mumbai - 400 022

Date: 26/07/2013

Consent order No :- BO/JD(WPC)/EIC No. NK- 9843-11/CAC- 6268

To,  
M/s. Godavari Biorefineries Ltd.,  
P.O. Sakarwadi Tq. Kopergaon,  
Dist. Ahmednagar.

Subject: Consent to Operate RED/LSI Category.

Ref : 1. Barrier Consent granted vide No.BO/WPAE/EIC No. NK 0642-06/R/CCHWA-472  
Dated 16.06.2006.  
2. Minutes of CAC meeting held on 5.7.2013.

Your application for grant of consent to operate dated: 30.03.2011.

For: Consent to Operate under Section 26 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 & IV annexed to this order:

1. The consent is granted for a period from 31.03.2011 to 31.08.2013.
2. The actual capital investment of the industry is Rs. 84.78 Crs. (As per C.A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/A
1	Industrial Alcohol	1800 MT/M.
2	Fusel Oil	2.5 MT/M.
3	Acetaldehyde	1500 MT/M.
4	Acetic Acid	1500 MT/M.
5	Diethyl Acetic Acid	110 MT/M.
6	Ethyl Acetate	3000 MT/M.

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

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	720	As per Schedule -I	On land for gardening.
2.	Domestic effluent	100	As per Schedule -I	On land for gardening.

5. Conditions under Air (P&CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boilers	3 Nos.	As per Schedule -II

**Conditions under Non Hazardous Wastes:**

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Boiler ash	28 MT/day	---	Sale to bricks manufactures
2	Dust	3 MT/day	---	Sale to Bricks manufactures.

**Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:**

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used oil/spent oil	5.1	50	Litr/M	---	Used as Fuel to boiler

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.  
 This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

For and on behalf of the  
**Maharashtra Pollution Control Board**

( V. M. Motghare )  
 Member Secretary

**Received Consent fee of --**

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On
1	1,70,000	902193	30.03.2011	Bank of Baroda
2	1,82,100	010991	10.07.2013	Bank of Baroda

**Copy to:**

- Regional Officer Nashik and Sub-Regional Officer, MPCB, Ahmednagar. They are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Mumbai.
- CC/CAC desk for record & website updation purposes.

## Schedule-I

### Terms & conditions for compliance of Water Pollution Control:

- 1) A) As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 720 CMD.
- B) The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board (If any)
	<b>I. Compulsory Parameters</b>	<b>Limiting Concentration in mg/l, except for pH</b>
01	pH	5.5 to 9.0
02	Oil & Grease	Not to exceed 10 mg/l
03	B.O.D. 3 days 27 Deg.C.	Not to exceed 30 mg/l
	<b>II additional Parameters</b>	
05	Suspended Solid	Not to exceed 100 mg/l
06	C.O.D.	Not to exceed 250 mg/l

- C) The treated effluent shall be 100% recycled in the process to achieve zero discharge. In no case effluent shall not find its way to any water body directly or indirectly.

- 2) A.) As per your application, company have to provide the sewage treatment system with the design capacity of 100 CMD.

- B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

(1)	Suspended Solids.	Not to exceed	100	mg/l.
(2)	BOD 3 days 27oC.	Not to exceed	100	mg/l.

- C) The treated sewage shall be disposed on land for gardening/irrigation.

- 2) 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 and extension or addition thereto.
- 3) 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.

- 4) 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, spraying in mine pits or boiler feed	540
2.	Domestic purpose	140
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	720
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic.	Nil.

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of WP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CRMP guidelines.

## Schedule-II

### Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to install/ provided the Air pollution control (APC) system and also proposed to erect / erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO <sub>2</sub> Kg/Day
1	Boiler	ESP/wet scrubber.	30	Coal/bio gas	28000 Nm <sup>3</sup> /day.		1.8 T/day
2	ISCC Boiler	ESP/wet scrubber.	30	Coal	1800 MT/day		
3	IBC Boiler	Bag filters & dust collector.	30	Coal			
4	D.G. Set (590 KVA)	Chimney	5	Diesel	50 Litr./day.		

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CEMP guidelines.
3. 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> .
SO <sub>2</sub>	Not to exceed	1.8 T/day <sup>3</sup>

4. 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.
5. 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**  
**Details of Bank Guarantees**

Sr. No.	Consent No. (10/1/07/1)	Amt of BG RS.	Submission Period	Purpose of BG	Compliance Period	Validity Date
1		5.0/- Lakhs	Within 15 days to Regional Office Nashik	O & M of pollution control system.	---	31.12.2013

  
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REGIONAL POLLUTION CONTROL BOARD  
 Nashik

## Schedule-IV

### Conditions for Aerobic Composting:

- i. The spent wash should be stored in impervious tanks. The spent wash tanks should have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation and undertaking given by the company, storage should not exceed 30 days capacity.
- ii. Applicant shall ensure availability of adequate filler material such as press mud, bagasses, agricultural, biological waste as required for effective composting system.
- iii. Composted material shall meet the following specifications—

Moisture	...	30 to 35%
C/N	...	Below 17
Nitrogen	...	1.5 to 2%
Phosphorous	...	1.5 to 2%
Potassium	...	3 to 4%
- iv. The composting site shall be prepared as per the guideline enclosed. Composting shall be such that it includes mechanical mixing and spraying of spent wash along with mechanical aeration to ensure thorough composting. Hand/ manual spraying of spent wash shall not be permitted.
- v. The compost leachate (1 gr. of compost mixed with 100 ml. of distilled water and filtered) Filterate shall conform to the following limit.

pH	Between	7.5 to 8.0
BOD 3 days 27 Deg. C.	Not to exceed	30 mg/l.
- vi. A pond leak proof guard pond of 30 days holding capacity as per (i) above shall cope up with the effluent discharge during short term process disturbances. In case of prolonged disturbance in effluent treatment and disposal system, distillery shall be shut down and shall not be restarted without rectifying the system.
- vii. The composting site/pits shall be made leak proof by proper lining. A catch drain shall be provided around the composting site to collect the storage pond for application on compost depots. Arrangements for overturning of compost material in windrows and spraying of spent wash shall be made to ensure appropriate aeration and uniform distribution of spent wash.
- viii. In case of composting in open fields, the application of spent wash shall stop by end of April, so that compost is ready and the site is cleared of the composted manure before monsoon (i.e. 31st May). The manure shall be collected and stored on a raised platform with suitable rain cover so that the compost manure is not washed away by rain/runoff.
- ix. Characteristic of soil, ground water and effect on crop yield should be monitored in the area where compost is used as manure and results thereof shall be compiled and reported in the Environment statement to be submitted every year.
- x. The test wells shall be provided around the compost site for ground water monitoring. The well water quality has to be maintained at 2006 level.
- xi. Top plover impervious sheets shall be provided for entire compost yard, press mud and compost storage so as to cover the same during untimely rains and idles period.
- xii. The operation of distillery should be restricted to 270 days in a year and that it will not operate during rainy season.

### CONDITIONS FOR MOLASSES STORAGE:

- i) The molasses shall be properly collected and stored in steel tanks which shall be absolutely leak proof. At no stage of handling of molasses, there shall be leakage or spillage.

- ii) The capacity of tanks for storage of molasses shall be such that at no time the molasses shall be required to be stored in kutcha pits. Adequate space extra capacity shall be available to take care of bumper production of molasses and non-lifting of molasses etc.
- iii) The area on which molasses are stored and handled should be provided with drain for diverting the spills to the treatment plant/ molasses tank. Suitable arrangements for accidental discharges of molasses from the tanks shall be provided to contain the same within factory premises.
- iv) Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorized officer of the Board, intimation of intention to destroy or dispose of the molasses shall be given to the Board at least 15 (fifteen) days in advance by registered post under intimation to the Sub-Regional officer and Regional officer of the Board under whose jurisdiction the factory is situated.
- v) The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The tanks size and capacity per cm, height, total capacity in tones shall be displayed prominently near the tank.
- vi) The above conditions shall be in addition to and not in derogation of the provisions contained in the "Bombay Molasses Rules, 1955" and "Maharashtra Molasses Storage and Supply Regulation, 1965".
- vii) The industry should monitor effluent quality regularly.