

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

RED/MSI

Consent No. BO/JD (WPC)/RO-ABD/ EIC NO AD 93-18/R-CAC-240

Date: 04/02/2012

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 / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008 [To be referred as Water Act, Air Act and HW(M,H & T) Rules respectively].

CONSENT is hereby granted to

**M/s Pioneer Distilleries Ltd,  
Mouje Balapur, Tq. Dharmabad,  
Dist. Nanded**

located in the area declared under the provisions of the Water Act, Air act and Authorisation under the provisions of (M,H & T) Rules subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period upto - 31.08.2015.
2. The consent is valid for the manufacture of –

Sr. No.	Product	Maximum Quantity
1	Molasses Based Rectified Spirit/ENA/Ethanol (Max Production of ethanol not to exceed 30KLPD)	2400 MT/M
2	Grain based ENA (Max Production not to exceed 60KLPD)	1440MT/M
3	DDGS	3600MT/M
4	Fusel Oil	8.6KI/M
5	CO2	450MT/M
6	Biogas based power generation	16MW/Hr

3. **CONDITIONS UNDER WATER ACT :**

- (i) The daily quantity of trade effluent from the factory shall not exceed 1159 M<sup>3</sup>.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 20 M<sup>3</sup>.

(ii) **Trade Effluent:**

Treatment : The applicant shall provide Multiple effect evaporator plant (MEEP) system followed by dryer to convert the entire Spent wash into fuel. The arrangement shall be leaked proof and no effluent or leakages/seepages shall find its way into environment thereby causing pollution of surface/ground/ generated water. **The industry shall achieve zero discharge.**

- (v) **Sewage Effluent Treatment** : The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

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

(vi) **Sewage Effluent Disposal** : The treated effluent shall be connected to soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening only.

(ix) **Non-Hazardous Solid Waste:**

Sr. No	Type of Waste	Quantity	Disposal
1	Boiler ash	60MT/Day	Sale to brick Manufacturer.
2	YeastSludge	4 MT/day	Mixed with Rice husk & burnt into Boiler
3	MEEP Concentrate	6.05Mt/Hr	

(x) **Other Conditions :**

- The industry shall monitor effluent quality regularly.

#### 4. CONDITIONS FOR MOLASSES STORAGE:-

- 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.
- The capacity of tanks for storage of molasses shall be such that at no time the molasses shall be required to be stored in kutchas. Adequate space storage capacity shall be available to take care of bumper production of sugar, non-lifting of molasses etc.
- All 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.
- Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorised 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.
- 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 tonnes shall be displayed prominently near the tank.
- 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".

4. The applicant shall comply with the provisions of the Water ( Prevention & Control of Pollution ) Cess Act, 1977 ( to be referred as Cess Act ) and Rules there under :

The daily water consumption for the following categories is as under:

(i) Domestic	...	30	CMD
(ii) Industrial Processing	...	1754	CMD
(iii) Industrial Cooling	...	352.5	CMD
(iv) Agriculture/Gardening	...	---	CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

#### 5. CONDITIONS UNDER AIR ACT :

- (i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards :

**Standards for Emissions of Air Pollutants :**

(i)	SPM	Not to exceed	150	mg/Nm <sup>3</sup> .
(ii)	SO <sub>2</sub>	Not to exceed	420Kg/day	

**A)Control Equipment :** The pollution control equipments of adequate capacity shall be provided to limit the dust and air emission.

- (ii) The applicant shall observe the following fuel pattern :-

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	Rice Husk/Spent grain from MEEP	592MT/Day
2	Diesel	120Ltrs /Hr

- (iii) The applicant shall erect the chimney(s) of the following specifications :-

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1.	Boiler 1 & 3	45
2.	Boiler 2	65
3.	DG Set	9 meters

- (iv) The applicant shall provide ports in the chimney/(s) and facilitates such as ladder, platform etc. For monitoring the air emissions and the same shall be open for inspection to/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.
- (v) The industry shall take adequate measures for control for 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.
- (vi) **Other Conditions :**
- 1) The industry should not cause any nuisance in surrounding area.
  - 2) The industry should monitor stack emissions and ambient air quality regularly.

**B) C.R.E.P. Conditions for Distillery:-**

**1) Existing Molasses – Based Distilleries:**

Non-complaint distilleries will furnish bank guarantee and action plan to concerned State Boards to ensure compliance with any or combination of the following measures.

- i) Composting making with press mud/agriculture residue/ Municipal Waste.
- ii) Concencentration and drying / incineration.
- iii) Treatment of spent wash through bio-methanation followed by two stage secondary treatment and dilution of the treated effluent with process waster for irrigation as per norms prescribed by CPCB/MoEF.
- iv) Treatment of spent wash through bio-methanation followed by secondary treatment (BOD<2500 mg/l) for controlled discharge into sea through a proper submerged marine outfall at a point permitted by SPCB/CPCB in consultation with National Institute of Oceanography (NIO), so that Dissolved Oxygen in the mixing zone does not deplete.
- v) For taking decision on feasibility of one time controlled land application of treated effluent a study will be undertaken within three months.

Road map for utilization of spent wash by the distilleries to achieve zero discharge in inland surface water courses will be as below:

- 1)100 % utilization of spent wash.
- 2) Till 100 % utilization of spent wash is achieved, controlled and restricted discharge of treated effluent from lined lagoons during rainy season will be allowed by SPCB/CPCB in such a way perceptible colouring of river water bodies does not occur.
- 3) New Distilleries & Expansion of Existing Distillires (Molasses Based)

Proposal for standalone new distilleries and expansion of existing distilleries without achieving zero discharge in surface water / ground water will not considered by MoEF / SPCB.

**6. CONDITIONS UNDER HW(M,H & TM) RULES, 2008.**

The applicant shall handle hazardous wastes as specified below:

Sr. No.	Item No. Of process substance generating HW as per Schedule-I/II	Type of waste	Quantity	Disposal
=====NA=====				

7. 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.

**8. General Conditions:**

- (i) The applicant should bring minimum 33% of the available open land under green coverage/ plantation. The applicant should submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, no. of trees surviving as on 31<sup>st</sup> March of the year and no. of trees planted by September end.
  - (ii) The applicant should provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant should stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels
  - (iii) The applicant should make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. The applicant should not change or alter 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.
  - (iv) The firm should submit MPCB, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30<sup>th</sup> September every year.
  - (v) The applicant should 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 should be maintained. The applicant should also submit a comparative statement of designed power and chemical consumptions vis-a-vis actual power and chemical consumption along with Environmental statement.
  - (vi) Separate drainage system should be provided for collection of trade and sewage effluents. Terminal manholes should be provided at the end of collection system with arrangement for measuring the flow. No effluent should be admitted in the pipes/sewers down- stream of the terminal manholes. No effluent should find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises should be allowed to mix with the effluents from the factory.
  - (vii) The applicant should provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and should pay to the Board for the services rendered in this behalf. An inspection book should be opened and made available to the Board's officers during their visit to the applicant.
  - (viii) The industry should ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
  - (ix) The applicant should maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
9. Industry shall make provisions for Piezometric wells for water quality monitoring.

10. Industry shall submit Bank Guarantee of Rs 5.0 Lakhs for installation of MEEP System including Dryer & Bank Guarantee of Rs 5.0 Lakhs for operation & maintenance of Pollution Control system so as to achieve Zero Discharge , within 15 days at Regional Office Aurangabad.

11. The Board reserved the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.

12. This consent is issued pursuant to the decision of consent Appraisal Committee meeting of Board held on 23.01.2012.

13. The Capital investment is **116.3 Cr.**

14. This is issued in Supersession to earlier following consents issued vide

SrNo	Consent No	Consent Validity
1	MPCB/PCI-III/EIC AD-0327-05/Nanded-138 dtd 01/02/2006	21.12.2010
2	BO/PCI-III/EIC-AD-0603-06/CC-939 Dtd 18/11/2009	31.12.2011
3	BO/PCI-III/EIC-AD-836-07/CC-522 Dtd 14/08/2007	30.04.2012.
4	MPCB/PCI-III/EIC-AD-6012-10/O/R/CC-30 Dtd 01/02/2011	31.08.2011
5	BO/RO-Aurnagabad/PCI-III/EIC-AD-6265-10/R/CC-29	30.11.2015

15. This is issued as per office note dtd 02/02/2012, approved by Hon'ble Chairman of the Board.

For and on Behalf of the  
Maharashtra Pollution Control Board,

  
Dr. Y.B. Sontakke  
Joint Director (Water Pollution Control)

To,  
M/s Pioneer Distilleries Ltd,  
Mouje Balapur, Tq. Dharmabad,  
Dist. Nanded

Copy to:

RO-Aurangabad /SRO- nanded :- They are directed to Obtain Both the Bank guaranttes from industry within 15 days &ensure compliance of Consent conditions.

CAO / Cess Branch / Master File

Received Consent fee of –

Amount	D.D. No.	Date	Bank
3,50,000/-	790885	04/11/2011	SBH
100	BY Cash	05/11/2011	
15000/	790124	13/07/2011	SBH
4,13,000/-	135369	17/01/2012	SBH