

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701
Fax: 24024068 /24023515
Website: <http://mpcb.gov.in>
E-mail: mpcb@vsnl.net



Kalpataru Point, 2nd - 4th Floor,
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai - 400 022

Red/LSI

Date: 11/03/2016

Consent No: Format -1.0/BO/CAC-CELL/EIC NO.AD-17428-15/R/CAC-3556

To,
M/s. Pioneer Distilleries Ltd.,
S. No. 286/1, 2 & 291, Mouje Balapur
(V), Dharmabad, Dist. Nanded

Subject: Renewal of Consent to Operate for 100 KLPD molasses base distillery, 60 KLPD grain base distillery, 40 KLPD malt spirit & IMFL unit under RED category.

- Ref :**
1. Consent to Operate granted by Board to 100 KLPD molasses base distillery, grain base distillery unit vide no. BO/JD (WPC) /RO-ABD/EIC NO. AD 93-18/R-CAC-240. dtd. 04.02.2012.
 2. Consent to Operate granted by the Board to 40 malt spirit vide no. BO/JD (WPC) /RO-ABD/EIC NO AD 10602-12/CC/CAC-622 dtd. 09.10.2012
 3. Consent to Operate granted by the Board to IMFL unit vide no. BO/JD (WPC) /RO-ABD/EIC NO AD 11625-12/CC/CAC-616 dtd. 09.10.2012

Your application: CR1508000408.

Dated: 08.07.2015.

For: Renewal of Consent to Operate for 100 KLPD molasses base distillery, 60 KLPD grain base distillery, 40 KLPD malt spirit & IMFL unit under RED category 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 up to **31.08.2016**.
2. The total capital investment of the Distillery Unit is Rs 309.61 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	UoM
1	Molasses Based Rectified Spirit / ENA/Ethanol (Max. production of ethanol not to exceed 30 KLPD)	2400	MT/M
2	Grain based ENA (Max. production not to exceed 60KLPD)	1440	MT/M
3	DDGS	3600	MT/M
4	Fusel Oil	8.6	KL/M
5	CO2	450	MT/M
6	Biogas based power plant	16	MW/hr.
7	IMFL Bottling plant	3600	KL/M
8	ENA	100	KL/D

(Molasses base Distillery Capacity shall not exceed 100 KLPD, Grain base distillery shall not exceeded 60 KLPD & Malt Spirit shall not exceed 40 KLPD)

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	Molasses base distillery 1159 (120 after volume reduction)	As per Schedule -I	Bio-digester followed by MEE followed by incineration in boiler.
		504 (Generated from grain base distillery)	As per Schedule -I	Collection tank followed by decanter followed by MEE followed by DWGS/DDGS dryer.
		450 (Generated from malt spirit)	As per Schedule -I	MEE followed by incineration in boiler.
		72 (Generated from IMFL)	As per Schedule -I	62 CMD shall be 100% recycle & remaining 10 CMD on land for gardening.
2.	Domestic effluent	63	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	Boiler (40 TPH)	1 No	As per Schedule - II
2	Boiler (14 TPH)	1	As per Schedule - II
3	Boiler (12 TPH)		
4	Boiler (12 TPH)	1	As per Schedule - II
5	D. G. Set-750 KVA	1	As per Schedule - II
6	D. G. Set-500 KVA	1	As per Schedule - II
7	D. G. Set-180 KVA	1	As per Schedule - II
8	D. G. Set-125 KVA	1	As per Schedule - II

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

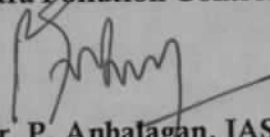
Sr. No.	Type of Waste	Category	Quantity	UOM	Disposal
1	Used printer cartridge	---	308	Nos./A	Authorized Recycler.
2	Discarded containers	33.3	500	Nos./A	Authorized Recycler.
3	Waste oil /residue containing oil.	5.2	05	Kg/M	Authorized Recycler.
4	Used Lead acid batteries	---	4	Kg/M	Authorized reprocessor.
6	Used /spent oil	5.1	800	Litrs./M	Authorized Recycler.
7	E-Waste		25	kg/year	Authorized Recycler.

7. Non-Hazardous Solid Wastes:

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1	MEEP Conc. Spent wash	165.00	MT/D	---	Mixed with rice husk through Dryer
2	Yeast sludge	4.133	MT/D	---	
3	Boiler Ash	135.00	MT/D	---	Sale to Brick manufacturers.

8. This 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. Spent grain shall not be stored for more than 24 hrs. & moisture content should be less than 5 % by dry basis, it should not cause any nuisance in the surrounding area.
11. Industry shall scrap kaccha lagoon before monsoon i.e. up to 31.05.2016.
12. If industry fails to scrap the said kaccha lagoon within stipulated time period Regional Officer, Aurangabad shall issue Closure Directions to stop the molasses base distillery.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (₹)	DD. No.	Date	Drawn On
1	Rs. 18,39,675/-	349505	01.07.2015	SBH
2	Rs. 18000/-	349739	12.08.2015	SBH

Industry has paid fees of Rs. 18,39,675/- for the period up to 31.08.2018, however Board has granted Consent for the period up to 31.08.2016, hence fees of Rs. 12,38,440/- is balance with the Board and same will be considered during next Renewal of Consent to Operate.

Copy to:

1. Regional Officer - MPCB Aurangabad, and Sub -Regional Officer - Aurangabad, MPCB, They are directed to closely monitor the unit and ensure the compliance of the consent conditions and submit report accordingly.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website up-dation purposes.

Schedule-I

I) Terms & Conditions for compliance of Water Pollution Control

- 1) A] Effluent generated from Molasses based: - You have provided comprehensive treatment system consisting of Bio-digester followed by Multi Effect Evaporation plant followed by Dryer. (Concentrated spent wash is mixed with rice husk & burnt it in to Boiler.)
 - B] Effluent generated from Malt based: - You have provided Multi Effect Evaporation plant system followed by Dryer. (Concentrated spent wash is mixed with rice husk & burnt it in to Boiler.)
 - C] Effluent generated from IMFL activity:- You have provided Collection tank and carbon filter. Out of total 72 CMD trade effluent 62 CMD shall be reused in process & remaining 10 CMD shall be used on land for gardening.
 - D] **In no any case treated/ untreated effluent/spent wash shall find its way outside the factory premises.**
 - E] **The operation of distillery should be restricted to 330 days in a year and that it will not operate during rainy season.**
- 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.

II) 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-I 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.,	2738.5
2.	Domestic purpose	80
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	2517
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	—



Schedule-II

Terms & conditions for compliance of Air Pollution Control

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

Sr. No.	Stack Attached to	APC System	Height in meter	Type of Fuel	Quantity	UoM	S %	SO ₂ Kg/Day
1	Boiler (40 TPH)	Bag Filter /Wet Scrubber	65	Blended Rice Husk with conc. Spent wash	240	MT/D	---	---
				Coal	54	MT/D	0.5%	540
				Rice husk	66	MT/D	---	---
2	Boiler (14 TPH)	MDC followed by Bag Filter	45	Coal	19	MT/D	0.5%	190
3	Boiler (12 TPH)			Rice husk	106	MT/D	---	---
4	Boiler (12 TPH)	Bag Filter	42	Coal	16	MT/D	---	---
				Rice husk	91	MT/D	---	---
5	D. G. Set-750 KVA	--	12	HSD	357	Ltrs./D	1%	7.14
6	D. G. Set-500 KVA	---	02					
7	D. G. Set-180 KVA	--	02					
8	D. G. Set-125 KVA	--	02					

2. 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.
3. 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).
4. 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 ³
--------------------	---------------	------------------------

5. 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.
6. 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 (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	Rs. 5.0 Lacs	15 days	O & M of pollution control systems & compliance of Consent Conditions.	31.08.2016.	31.12.2016.
2	C to R	Rs. 10.0 Lacs	15 days	Scrapping of kaccha lagoon before monsoon as per Consent condition no. 11.	31.05.2016	One Year.

Schedule-IV
General Conditions

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 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 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.
- 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 30th day of September every year, the Environmental Statement Report for the financial year ending 31st 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 30th 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 make an application for renewal of the consent before 60 days from the date of the expiry of the consent.**
- 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).
- 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

- c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f) D.G. 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 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 31st 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.

-----0000-----

