

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

RED/LSI

Date: 12/04/2016

Consent No : Format 1.0/BO/JD(WPC)/RO-Pune/CE/CC-0256

To,
M/s. Khandoba Distilleries Ltd.,
Plot No. A-144, MIDC Temburni ,
Tq. Madha Dist. Solapur.

Subject: Consent to Establish under RED Category.
Ref : 1. Minutes of Consent Committee Meeting held on 23.03.2016.

Your application CE 1603000136 dated 09.03.2016.

For: Consent to Establish 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 & IV annexed to this order:

1. The consent is granted for a period upto: Commissioning of the unit or 16.01.2017.
2. The actual capital investment of the industry is Rs. 70.00 Crore. (Existing Consent to establish capital investment of Rs. 69.00 Cr., + increased capital investment for amendment in consent to establish for addition of two products is Rs. 1.00/- Cr., as per C.A. Certificate submitted by industry)
3. The Consent is valid for (150 KLPD Distillery) the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/A
1.	Rectified Sprit/Export Quality Rectified Sprit/Special Denatured Sprit	4500 KL/month.
2.	Fusel Oil	600 KL/month.
3.	Co-generation (electricity)	6.00 MW.

"The unit will be in operation for 330 days"

4. The consent is granted for a period upto: Commissioning of the unit or 5 years whichever is earlier.

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/A
1.	ENA	150 KLPD.
2.	Anhydrous Ethanol	150 KLPD.

5. 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	677.00	As per Schedule -I	MEE and concentration followed by incineration to achieve ZLD.
2.	Domestic effluent	18.00	As per Schedule -I	On land for irrigation

6. 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 (20 TPH & 30 TPH)	1	As per Schedule -II
2	D.G. Set (500 KVA)	1	As per Schedule -II

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

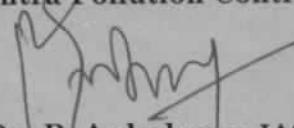
Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1.	ETP sludge	34.4	30.00	Kg/day	---	CHWTSDF

Non-Hazardous Solid Wastes

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1	Boiler ash.	450.0	MT/M	Sell to bricks mfg./compost filler material.	
2	Yeast Sludge	6.00	MT/M	Sale to farmers as manure	

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. Industry shall comply with Environment Clearance conditions dated 16.01.2008 and 06.05.2015.
10. This consent is amended with an overriding effect to the earlier consent granted by the Board vide No. Format 1.0/BO/JD(WPC)/EIC No. PN-27037-15/E/CC-14828 dated 30.11.2015 and No. MPCB/Amendment/E/CC-066 dated 27.01.2016. All other terms & conditions in the consent shall remain unchanged.
11. Industry shall obtain amendment in Environment Clearance and not to take effective steps prior to obtaining amended Environment Clearance.
12. 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

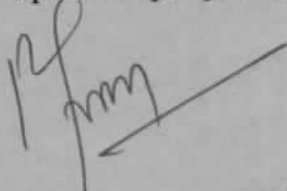

(Dr. P. Anbalagan IAS.)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	15000	321326	04.03.2016	Union Bank of India.

Copy to:

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



Schedule-I

Terms & conditions for compliance of Water Pollution Control:

A] You should provide comprehensive treatment system for spent wash i.e. multiple effect evaporation and concentration followed by incineration of the concentrated spent wash in boilers along with bagasse. (Spent wash- 375 CMD, Spent lees- 150 CMD & boiler blow down effluent- 152 CMD). In no case, at any time effluent shall find its way to any water body directly or indirectly.

B] 1) Industry shall provide MEE and concentrated followed by incineration to achieve zero discharge.

C] A.] As per your consent application, you have to provide the sewage treatment system with the design capacity of 18.00 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) Conditions under Water (Prevention & Control of Pollution) CESS Act, 1977 as amended.

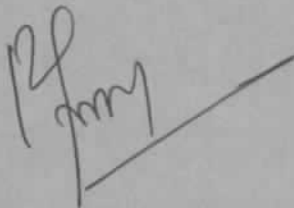
The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	360.00
2.	Domestic purpose	20.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	1044.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	----

3) 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 kutch pits. 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 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.



Maharashtra Pollution Control Board

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) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boilers (20 TPH & 30 TPH)	ESP/Wet scrubber/bag filters.	75.00	Bagasse	600 MT/day.		2400 Kg/day
2	D.G. Set (500 KVA)	----	5.00 above the roof of the building where it is installed.	Diesel	135 Litr./Hr.		----

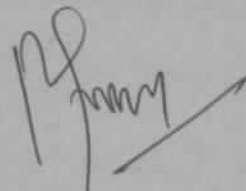
2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance guidelines.

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 ³ .
SO ₂	Not to exceed	2400.00 Kg/Day

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).
13. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under

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.

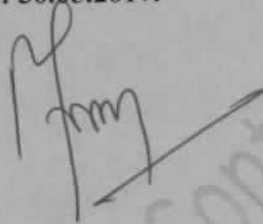


Schedule-III

**Specific conditions (Distillery Units) with Bank Guarantees along with time bound
programme for compliance**

Sr. No.	Consent conditions	Bank Guarantee Amount	Time for compliance
1	Compliance of consent to establish conditions.	Ten Lacs	Monthly

Industry shall submit the Bank Guarantee within 15 days to Regional Office Pune.
The Bank Guarantee will be valid upto: 30.05.2017.



Schedule-IV

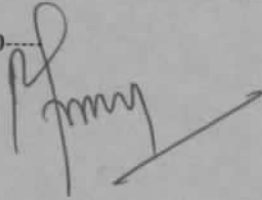
General Conditions:

- 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) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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
- 9) /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.
- 10) 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 Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 11) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 12) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 13) 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).
- 14) 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 Wastes (M,H &TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.

- 15) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 16) 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.
- 17) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 18) 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.
- 19) 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/room and then average.
 - 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
- 20) The industry should not cause any nuisance in surrounding area.
- 21) 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.
- 22) The applicant shall maintain good housekeeping.
- 23) 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.
- 24) 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.
- 25) 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.

- 26) 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.
- 27) 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 downloaded from MPCB official site).
- 28) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 29) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

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Maharashtra Pollution Control Board