

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/LSI

Consent No : Format 1.0/BO/JD(WPC)/EICNo. 26481-15/R/CC-

Date: 29.10.2015
MPCB/15/13751

To,
M/s. Khandoba Prasanna Sakhar Karkhana Ltd.,
(Distillery Unit), A/P. Pal,
Tq. Karad Dist. Satara.

Subject: Consent to Operate RED Category.

Ref : 1. Consent processing report submitted by Sub-Regional Officer Satara.

Your application CO 1508000184 dated 13.08.2015.

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 to operate is granted for a period upto: 31.08.2018.
2. The actual capital investment of the industry is Rs. 24.08 Crs. (Existing capital investment of Rs. 22.93 Cr. + increased capital investment of Rs. 1.15 Cr., 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	Ethyl Alcohol Or	45KL/day
	ENA Or	30 KL/day
	Absolute Alcohol	30 KL/day
2	Fuel Oil	0.75 MT/day

(The operation of distillery should be restricted to 270 days in a year. The distillery should remain closed during rainy season i.e. 10th June to 10th Sept. every year.)

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	379.5	As per Schedule -I	On land for irrigation & CETP
2.	Domestic effluent	27.00	As per Schedule -I	On land for irrigation

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	I	As per Schedule -II
2.	D.G. Set (365 KVA)	I	As per Schedule -II
3	D.G. Set (100 KVA)	I	As per Schedule -II
4	D.G. Set (40 KVA)	I	As per Schedule -II

6. 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

Non-Hazardous Solid Wastes

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1	Boiler ash	6.00	MT/day	-	Sale to bricks mfg.
2	Yeast sludge	225.00	MT/day	-	Used as manure

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- The industry shall comply with the conditions of the Environment Clearance granted by Government of India, Ministry of Environment and Forest (I.A. Division) vide letter F.No. J-11-11/268/2005-IA II (I) dated 3rd December, 2010 and letter No. F.No. J- 11011/268/2005-IA II (I) dated 21st March, 2005.
- The industry shall voluntarily stop production activity, in case of fail to run multiple effect evaporator and flex drier effectively and report to the Regional Office Pune & Sub-Regional Office Satara.
- 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. Y.B. Sontakke
o/c Joint Director (WPC)

Received consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On
1	150000	720373	05.08.2015	Karad Urban Co-op.Bank

Copy to:

- Regional Officer MPCB Pune and Sub-Regional Officer MPCB Satara. They are directed to ensure the compliance of the consent conditions & to carry out monthly monitoring of pollution control system.
- Chief Accounts Officer, MPCB, Mumbai.
- CC/CAC desk- for record & website updation purposes.

* As per previous consent dated 28.07.2014 the balance fees of Rs. 1,21,167/- (one lakh twenty one thousand, one hundred & sixty seven only) utilized for grant of this consent. Hence, there is no balance fees with the Board.

> From the above fees of Rs. 150000/-, the fees of Rs. 43833/- utilized for grant of this consent and remaining balance fees of Rs. 106167/- (one lakh six thousand one hundred sixty seven) with the Board and same will be considered at the time of next renewal of consent.

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 379.5 CMD.

B] Trade Effluent Treatment & Disposal:

Instead of bio-composting the spent wash should be treated by biomethanization followed by providing re-boiler and multi-effect evaporators and concentration of the digested spent wash will be carried out by either dried in flakes, dryer or incinerated in the boiler along with supporting fuel in the form of bagasses to achieve 'Zero' discharge. The arrangement should be leak proof and no effluent or leakage/seepages should find its way into environment, thereby caused pollution of surface water or ground water.

2) A.] As per your consent application, you have provided the sewage treatment system with the design capacity of 27.0 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.

3) 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 a 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.

4) 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.

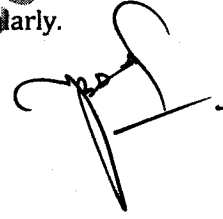
5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-1 and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	420.00
2.	Domestic purpose	30.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	457.5
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	----

6) 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 guidelines.

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 storage capacity shall be available to take care of bumper production of sugar, non-lifting of molasses etc.
- iii) 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.
- 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.



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

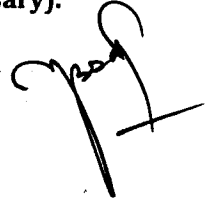
1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/day
1	Boiler	Bag filter/wet Scrubber	30.00	Bagasse	120.00 MT/day	---	480 Kg/day
2	D.G. Sets	---	5.00	Diesel	118.00 Litr./Hr.	5, mtr. above the roof of the building.	

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 .
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4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement 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).



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Schedule-III

Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG RS.	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	R	10.0/- Lakhs	Within 15 days to Regional Office Pune	Continuous operation of MEE/Incineration.	Continue	31.12.2018
2	R	5.0/- Lakhs	Within 15 days to Regional Office Pune	O & M compliance of consent conditions for achieving 'zero' discharge.	Monthly.	31.12.2018

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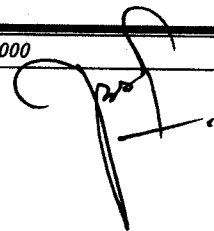
Schedule-IV

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 make an application for renewal of the consent at least 60 days before the date of the expiry of the consent (in case of Renewal of consent).
- 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 55 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.
- 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