

MAHARASHTRA POLLUTION CONTROL BOARD

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 Near Sion Circle, Sion (E)
 Mumbai-400 022.

RED/LSI

Consent No. MPCB/Jt. Dir(W.P.C.)/EIC NO.PN-8871-11/RCC- 16

Date: 19/11/2011

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 M) Rules respectively].

CONSENT is hereby granted to,

M/s. Yashraaj Ethanol Processing Pvt. Ltd.,
S. No. 124 A & B, Kushi Village,
Tal. & Dist. – Satara.

located in the area declared under the provisions of the Water Act, Air act and Authorisation under the provisions of HW(M,H &T) Rules and amendments thereto 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 up to - 28.02.2013.
2. The consent is valid for manufacture of following products-

<u>Sr.No.</u>	<u>Product</u>	<u>Maximum Quantity</u>
1.	Extra Neutral Alcohol	1350 KL/M
2.	Impure Spirit	81 KL/M
3.	Distiller's Wet Grain Solubles(DWGS)	4800 MT/M
4.	Fusel Oil	2700 Ltr./M

3. **Conditions Under Water Act :**

(i) The daily quantity of trade effluent from the factory should not exceed 314 m³/day.

(ii) The daily quantity of domestic effluent from the factory should not exceed 72.0 m³/day.

(iii) **Trade Effluent Treatment:**

Stream - I :- The spent wash shall be treated in multiple effect evaporator to produce DWGS to manufacture animal feed and achieve ZERO discharge.

Stream - II :- The applicant shall provide comprehensive treatment system consisting of Primary / Secondary and / or Tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent of stream - II (other than spent wash) to the following standards :

1)	pH	Between	5.5 to 9.0
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3 days ^{°C}	Not to exceed	30 mg/l.
4)	COD	Not to exceed	250 mg/l.
5)	Oil & Grease	Not to exceed	10 mg/l.
6)	T.D.S.	Not to exceed	2100 mg/l
7)	Sulphates	Not to exceed	1000 mg/l.
8)	Chlorides	Not to exceed	600 mg/l.

(iv) **Trade Effluent Disposal** : - The treated trade effluent from stream - II other than spent wash shall be used for cooling tower make-up and green belt development.

(v) **Sewage Effluent Treatment** : The applicant should 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 ^o C.	Not to exceed	100 mg/l.

(vi) **Sewage Effluent Disposal**: The treated domestic effluent shall be soaked in a soak pit which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening/plantation only.

(vii) **Non-Hazardous Solid Wastes** :

<u>Type of Waste</u>	<u>Quantity</u>	<u>Disposal</u>
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(viii) **Other conditions** : The industry should monitor effluent quality regularly.

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

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

(i) Domestic	...	15.0 CMD
(ii) Industrial Processing	...	300.0 CMD
(iii) Industrial Cooling	...	240.0 CMD
(iv) Other	...	20.0 CMD

The applicant should 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 should 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:

Control Equipment: Bag filter provided to Bagasse fired boiler shall be operate and maintained properly to achieve following standards.

Standards for Emissions of Air Pollutants:

(i)	SPM	Not to exceed	100 mg/Nm ³ .
(ii)	SO ₂	Not to exceed	108 T/Day.

(iii) The applicant should observe the following fuel pattern :-

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	Bagasse/Coal/wood	80 MT/hr.
2.	HSD	200 Ltr/Day

(iv) The applicant should erect the chimney(s) of the following specifications :-

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1.	Boiler	45
2.	D.G. Set (2x250 KVA)	3.5

- (v) The applicant should provide ports in the chimney/(s) and facilitates such as ladder, platform etc. For monitoring the air emissions and the same should be open for inspection to and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission should be designated by numbers such as S-1, S-2, etc. and these should be painted/displayed to facilitate identification.
- (vi) The industry should 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.
- (vii) 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.

6. Conditions for DG Set :

- (1) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- (2) 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 metres from acoustic enclosure/room and then average.
- (3) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.
- (4) 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.
- (5) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- (6) 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.
- (7) The DG set shall be operated only in case of power failure.
- (8) The applicant should not cause any nuisance in the surrounding area due to operation of the DG set.

CONDITIONS UNDER HW (M, H & TM) RULES, 2008 :

The applicant should handle hazardous wastes as specified below:

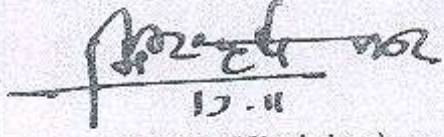
Sr. No.	Item No. as per Schedule-I/II	Type of Waste	Quantity	Disposal
1.	20.3	Distillation residue	50 Kg/day	Use as Manure
2.	34.3	ETP Sludge	200 Kg/day	Use as Manure

- Whenever due to any accident or other unforeseen act or even, such emissions occur or apprehended to occur in excess of standards laid down, such information should 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 should be stopped.

9. 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 30th September every year on available open plot area, no. of trees surviving as on 1st 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 the 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 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th 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 housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
10. Industry should comply with the Hazardous Waste (Management, Handling & Boundary Movement) Rules, 2008.
11. Industry shall comply the condition of Environment Clearance granted by MoEF.

11. Gross Block Capital Investment of the Distillery unit is Rs. 47.62 Crores.
12. This consent is issued pursuant to the decision of Consent Committee of the Board in its meeting held on 11th October, 2011.



(Milind Mhaiskar)
Member Secretary

To,

M/s. Yashraj Ethanol Processing Pvt. Ltd.,
S. No. 124 A & B, Kushi Village,
Tal. & Dist - Satara.

Copy to: RO MPCB, Pune / SRO MPCB, Satara / CAO / Cess Wing/Master file

Received Consent fee (in Rs.) vide:	Amount	D.D. No.	Date	Bank Name
	Rs 150000/-	0060352	21/01/2011	Central Bank of India