

# MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Date: 31/10/2012

Consent No: BO/JD (WPC)/EIC-PN-12652-12/O/CC/MPCB/12/00443

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 & TM) Rules respectively].

CONSENT is hereby granted to

M/s. Dhaval Pratapsinh Mohite Patil Agro Industries Ltd.  
(Grain based Distillery Unit), Gat No.-118, A/p-Chaudeshwarwadi,  
Tal.- Malshiras, Dist.- Solapur.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M, H & TM) 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: 31.12.2013.
2. The Consent is valid for the manufacture of-

Sr. No.	Product Name	Maximum Quantity	UOM
1	Ethyl Alcohol & ENA	855	KL/M
2	DWGS	630	MT/M

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 297.00M<sup>3</sup>.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 8.00M<sup>3</sup>.
- (iii) Trade Effluent Treatment & Disposal::

Stream I- The spent wash should be treated in Multiple Effective Evaporator to produce DWGS to manufacture animal food 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 to the following standards:

1	pH	Between	5.5 to 9
2	Suspended Solids	Not to exceed	100 mg/l
3	BOD 3 days 27 Deg. C	Not to exceed	100 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) **Effluent Disposal:** The treated effluent shall from stream -II other than spent wash shall be used for cooling tower makeup and greenbelt development. In no case, at any time effluent shall finds its way to any water body directly or indirectly.

(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 27o C.	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal:** The treated sewage effluent should be soaked into soak pit which should be got cleaned periodically. Overflow, if any be used on land for gardening only within factory premises only.

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

Sr. N	Type Of Waste	Quantity	UOM	Treatment / Disposal
1	Yeast Sludge	21.00	MT/Day	Sold to cattle feed
2	Grain Skin	300.00	Kg/Day	Sold to cattle feed
3	Grain Grit	30.00	Kg/Day	Sold to cattle feed
4	ETP Sludge	5.00	MT/Day	Used as a Manure
5	Boiler Ash	1.80	MT/Day	Sold to Brick manufactures

(viii) **Other Conditions:** Industry should monitor effluent quality regularly.

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 amendment Rules, 2003 there under

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

(i) Domestic purpose	...	10.00CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	350.00CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	375.00CMD

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:

1. **Control Equipment:**

i) Wet scrubber provided to bagasse fired boiler should be operated and maintained continuously so as to achieve the level of pollutants to the following standards..

## 2. Standards for Stack Emissions:

- |                    |               |     |                    |
|--------------------|---------------|-----|--------------------|
| 1) SPM             | Not to exceed | 150 | mg/Nm <sup>3</sup> |
| 2) SO <sub>2</sub> | Not to exceed | 100 | kg/Day             |

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Bagasse	90.00	MT /Day
2	HSD	100	Ltr./Hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler	45.00
2	D.G. Sets 500 KVA (02 Nos.)	4.50 *

(\* above the roof of the building in which it is installed)

(iv) 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.

(v) 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.

### (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.

## 6. 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.

**7. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES, 2008:**

- (i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	5.1 Used /spent oil	40.00	MT/M	Sale to authorized reprocessor

- (ii) Treatment: -

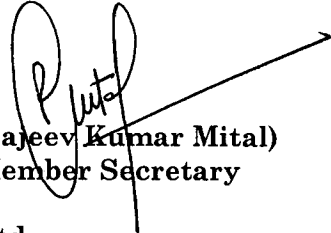
1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
  - a. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall 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 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th September every year.
- (ii) 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.
9. Industry should comply with the Hazardous Waste (Management, Handling & Boundary Movement) Rules, 2008.
- 10. Industry shall first stabilize the Effluent Treatment Plant one month before starting the commercial production and get permission from concerned Regional Officer, M.P.C. Board and Industry shall submit fresh bank Guarantee of Rs. 2.0 Lakhs towards the Operation and Maintenance of pollution control system so as to achieve the consented standards. The Bank Guarantee shall be submitted within 15 days at Regional Office Pune.**
11. This Consent is issued pursuant to the decision of the Consent Committee meeting of the Board held on 17.10.2012.
12. The Capital investment of the industry is Rs. 34.87 Crores.

For and on Behalf of the  
Maharashtra Pollution Control Board,

  
(Rajeev Kumar Mital)  
Member Secretary

To,

**M/s. Dhaval Pratapsinh Mohite Patil Agro Industries Ltd.**  
(Grain based Distillery Unit), Gat No.-118, A/p-Chaureshwariwadi,  
Tal.- Malshiras, Dist.- Solapur.

**Copy to: RO, MPCB, Pune and SRO, MPCB, Solapur:** - They are directed to ensure that the condition of stabilizing ETP is complied and shall regularly monitor the performance of ETP and collect JVS results and collect the Bank Guarantees from industry within 15 days and ensure the compliance of consent conditions.

CAO / Cess Branch / Master File.

Received Consent fee of :

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	150000/-	004670	08.11.2011	Shankarrao Mohite Patil Sahakari Bank Ltd.