

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Date: 05/04/2013

Consent No: BO/JD(WPC)/EIC No. NK- 13626-13/CAC- 2856

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].

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CONSENT is hereby granted to

M/s. Shree Dnyaneshwar S S K Ltd.,
(Distillery Division)
Bhende BK, Tq. Newasa
Ahmednagar, - 414605

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: 31.07.2013.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Rectified Spirit	1350	KL/M
2	Extra Neutral Alcohol	900	KL/M
3	Fusel Oil	2	KL/M
4	Absolute Alcohol	900	KL/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 450.00M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 4.00M³.

(iii) Trade Effluent :

Treatment: The applicant will provide comprehensive treatment consists of bio-methanisation/reboiler followed by well designed aerobic composting. The arrangement shall be leaked proof and no effluent or leakages/seepages shall find its way into environment thereby causing pollution of surface/ground/generated water.

Conditions for Aerobic Composting:

- i. The spent wash should be stored in impervious tanks. The spent wash tanks should have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CWCB recommendation and undertaking given by the company, storage should not exceed 30 days capacity.
- ii. Applicant shall ensure availability of adequate filler material such as press mud, bagasses, agricultural, biological waste as required for effective composting system.
- iii. Composted material shall meet the following specifications—

Moisture	...	30 to 35%
C/N	...	Below 17
Nitrogen	...	1.5 to 2%
Phosphorous	...	1.5 to 2%
Potassium	...	3 to 4%
- iv. The composting site shall be prepared as per the guideline enclosed. Composting shall be such that it includes mechanical mixing and spraying of spent wash along with mechanical aeration to ensure thorough composting. Hand/ manual spraying of spent wash shall not be permitted.
- v. The compost leachate (1 gr. of compost mixed with 100 ml. of distilled water and filtered) Filterate shall conform to the following limit.

pH	Between	7.5 to 8.0
BOD 3 days 27 Deg. C.	Not to exceed	30 mg/l
- vi. A pucca leak proof pond of 30 days holding capacity as per (i) above shall cope up with the effluent discharge during short term process disturbances. In case of prolonged disturbance in effluent treatment and disposal system, distillery shall be shut down and shall not be restarted without rectifying the system.
- vii. The composting site/pits shall be made leak proof by proper lining. A catch drain shall be provided around the composting site to collect the storage pond for application on compost depots. Arrangements for overturning of compost material in windrows and spraying of spent wash shall be made to ensure appropriate aeration and uniform distribution of spent wash.
- viii. In case of composting in open fields, the application of spent wash shall stop by end of April, so that compost is ready and the site is cleared of the composted manure before monsoon (i.e. 31st May). The manure shall be collected and stored on a raised platform with suitable rain cover so that the compost manure is not washed away by rain/runoff.
- ix. Characteristic of soil, ground water and effect on crop yield should be monitored in the area where compost is used as manure and results thereof shall be compiled and reported in the Environment statement to be submitted every year.

- x. The test wells shall be provided around the compost site for ground water monitoring. The well water quality has to be maintained at 2006 level.
- xi. Top pullover impervious sheets shall be provided for entire compost yard, press mud and compost storage so as to cover the same during untimely rains and idles period.
- xii. The operation of distillery should be restricted to 270 days in a year and that it will not operate during rainy season.

(iv) **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 shall be disposed on land for gardening within premises only.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Boiler Ash	12.00	M/T/A		Sale to bricks manufacture
2	Yeast Sludge	1000.00	MT/A		Sale as manure

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

4. 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, 1965" and "Maharashtra Molasses Storage and Supply Regulation, 1965".
- vii) The industry should monitor effluent quality regularly.

5. 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 ... 5.00 CMD
- (ii) Water gets Polluted & Pollutants are Biodegradable ... 700.00 CMD
- (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic ... 0.00 CMD
- (iv) Industrial Cooling, spraying in mine pits or boiler feed ... 400.00 CMD

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.

6. 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:

a) **Control Equipment:** Wet scrubber/ESP of sufficient capacity shall be provided to bagasses fired boiler.

b) **Standards for Stack Emissions:**

- (i) TPM Not to exceed 150 mg/Nm³.
- (ii) SO₂ Not to exceed 312 Kg/day.
- (iii) Acid Mist Not to exceed 50 ppm.

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Bagasse	78.00	MT/day

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler	40.00

- (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/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.

7. 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. 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.
- d. 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.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. 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
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

8. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
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(ii) Treatment: -

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
2. The industry should comply with the Hazardous Waste (M.H & TM) Rules, 2008.
 - 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.
 - b. Industry shall obtain registration from CPOB as a re-refiner of Used oil having environmentally sound technology as per the provisions of Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008.
 - c. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
 - d. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008.
9. The industry shall submit the Bank Guarantee of Rs. 2.0 Lakhs towards continued compliance for CREP guidelines. The Bank Guarantee shall be submit within 15 days to the Regional Office Nashik. The Bank Guarantee will be valid up to the validity of consent re. up to : 31.07.2013.
10. The Industry shall submit the Bank Guarantee of Rs. 3.0 Lakhs for scrapping of Kaccha Laggon within 6 months and in any case before 30.09.2013. The Bank Guarantee shall be submit within 15 days to the Regional Office Nashik. The Bank Guarantee will be valid up to : 31.12.2013. The Regional Officer shall ensure and submit the compliance report in this regards.
11. The consent is issued with pursuant to the decision of CAC committee meeting held on 19.03.2013.
12. This consent shall not be construed as any exemption from obtaining necessary No Objection Certificate from the Govt. agencies as may deemed fit necessary.

13. The Board reserves the right to amend or add any condition in this consent and same shall be binding on the applicant.
14. The Capital investment of the sugar & cogeneration unit is Rs. 184.50 Cr., and capital investment of distillery unit is Rs. 20.99 Cr.

For and on Behalf of the
Maharashtra Pollution Control Board.


(Rajeev Kumar Mital, IAS)
Member Secretary

To,
M/s. Shree Dnyaneshwar S S K Ltd.,
(Distillery Division)
Bhende BK, Tq. Newasa,
Dist. Ahmednagar , Maharashtra - 414605

Copy to:-

- 1) Regional Officer Nashik/Sub-Regional Officer Ahmednagar..
- 2) CAO/Cess Wing.

Received Consent fee of

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	75000	084589	04 Dec 2012	Bank of Baroda
2	4200	084928	26.03.2013	Bank of Baroda