

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Date: 05/02/2013

Consent No: BO/JD(WPC)/EIC-PN-16711-13/R/CC-CAC-807

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

The Malegaon S.S.K. Ltd. (Distillery)
A/p- Shivnagar, Tal-Baramati, Dist- Pune.
Pune-413116

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	1) Industrial Alcohol	1440	MT/M
2	a) ENA OR	960	MT/M
3	a) ENA	480	MT/M
4	b) Absolute Alcohol	480	MT/M
5	2) Fusel Oil	2.5	MT/M

(The distillery shall remain closed during rainy season i.e from 10th June to 10th Sept. every year.)

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 408.00M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 50.00M³.

(iii) **Trade Effluent :**

Treatment: The applicant will provide comprehensive treatment consists of bio-methanisation / reboiler is as primary 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 to achieve zero discharge.

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 CPCB 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 leachete (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 guard 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	Yeast Sludge	2.00	MT/D	Composting	Used 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 kutch 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.

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	...	50.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	580.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	0.00CMD

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.

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:** ESP of sufficient capacity provided to bagasse fired boiler shall be operated and maintained properly to achieve the consented standards.

b) **Standards for Stack Emissions:**

(i)	SPM	Not to exceed	150 mg/Nm ³ .
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(ii) **The applicant shall observe the following fuel pattern:-**

Sr. No.	Type Of Fuel	Quantity	UOM
	Steam is taken from Existing boiler of sugar division.		

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

Sr. No.	Chimney Attached To	Height in Mtrs.
	Existing boiler of sugar division is utilized for distillery unit.	

(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.

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

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

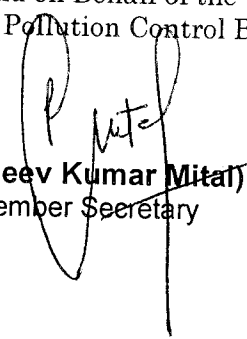
Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	36.4 Distillation residues from contaminated organic solvent	0.00	MT	use as Manure

(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.
- b. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.
- c. Industry should comply with the Hazardous Waste (Management, Handling & Boundary Movement) Rules, 2008.
8. Industry shall provide 11 Acres of Compost yard by 30.06.2013 and submit Bank Guarantee of Rs. 5.0 Lakhs towards the compliance of the same and Industry shall submit bank Guarantee of Rs. 2.0 Lakhs for continuous compliance of CREP Norms. The Bank Guarantees shall be submitted within 15 days at Regional Office, Pune.
9. This consent is issued pursuant to the decision of Consent Appraisal Committee of the Board in its meeting held on Dt. 27/12/2012.
10. The Capital investment of the Distillery is Rs. 38.04 Crs. (Total C.I of the Industry is Rs.136.74Cr).

For and on Behalf of the
Maharashtra Pollution Control Board,


(Rajeev Kumar Mital)
Member Secretary

To,
The Malegaon S.S.K. Ltd. (Distillery)
A/p- Shivnagar, Tal-Baramati, Dist- Pune.
Pune -413116

Copy to: RO MPCB, Pune / SRO MPCB, Pune-I - They are directed to collect the Bank Guarantee from industry within 15 days and ensure the compliance of consent conditions.

CAO / Cess Wing/Master file

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	100	909416	05 Oct 2012	SBI Bank
2	75000	909426	05 Oct 2012	SBI Bank