

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Date: ~~7/2013~~

02/01/2014

Consent No: BO/JD-WPC/NK/R/CC-30

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) Rules respectively].

CONSENT is hereby granted to

M/s. Madhukar SSK Ltd. (Distillery Unit)

S. No. 294, 299, 300, 301, 302, A/P. Jivram Nagar, Tal. Yawal,
Dist. Jalgaon.

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) 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:31.08.2014.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Ethyl Alcohol	900	KL/M
2	Fused Oil	2	KL/M

(The distillery shall remain closed during rainy season i.e. from 10th June to 19th Sept. every year.)

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 240.0 M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 8.0 M³.

(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.

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 leachate (1 gr. of compost mixed with 100 ml. of distilled water and filtered) Filtrate 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.

xiii. The industry shall maintain zero discharge.

(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 soaked in a soak pit which shall be got cleaned periodically. Overflow, if any shall be disposed on land for gardening within factory premises only.

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

Sr. No.	Type Waste	Quantity	UOM	Treatment	Disposal
-----	---	NIL	---	---	---

(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, 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	...	0.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	365.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	250.00CMD

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:** Dust collector of sufficient capacity shall be provided to boiler and other sources of dust emissions, & shall be operated properly.

b) **Standards for Stack Emissions:**

- | | | |
|--------------------|---------------|------------------------|
| 1) SPM | Not to exceed | 150 mg/Nm ³ |
| 2) SO ₂ | Not to exceed | 6.4 Kg/Day |

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Bagasse	48.00	MT /M

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler	45.00

- (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(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 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 75 dB(A) during day time and 70 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 & TRANSBOUNDRY MOVEMENT) RULES, 2008:

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	19.1 Residue/sludge containing phenol	2000.00	Kg/day	For composting

- (ii) Treatment: -

- 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 CPCB as a re-refiner of Used oil having environmentally sound technology as per the provisions of Hazardous Waste (Management & Handling) Rules 2008. before commencement of production.
- 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) Rules, 2008 and shown & submitted to the Board as & when asked for.

9. Specific conditions (Distillery Industries) with Bank Guarantees along with time bound programme for compliance

Sr. No	CODE	Consent conditions	BG amount	Time for compliance
1	D 5	O & M Compliance of consent conditions for achieving consented standards.	Five lacs	Monthly Monitoring

Industry shall submit the above bank guarantees to the Regional Office, Pune within 15 days valid up to 31.12.2014.

10. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

11. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
12. This consent is issued pursuant to the decision of consent committee meeting of the Board dtd. 27.11.2013.
13. The capital investment of the industry is – Existing- 12.87/- Crs(Distillery) + 31.83/- Crs. (Sugar), Total CI is Rs. 44.70/- Crs.

**For and on behalf of the
Maharashtra Pollution Control Board**

(Rajiv Kumar Mital, IAS)
Member Secretary

To,
M/s. Madhukar SSK Ltd. (Distillery Unit)
S. No. 294, 299, 300, 301, 302 , A/P. Jivram Nagar, Tal. Yawal,
Dist. Jalgaon.

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	50000	761411	27 Feb 2013	SBI Bank
2	15000	435315	06 Apr 2013	SBI Bank
3	133334	445226	24.12.2013	SBI

* Balance Consent fees of Rs. 50000/- will be adjusted during next renewal of consent.

Copy to:

Regional Officer – MPCB Nashik, and Sub -Regional Officer – Jalgaon,
MPCB- They are directed to return existing Bank Guarantees after submission of new BG. If industry fails to submit new Bank Guarantee, then existing BG shall be encashed.

1. Chief Accounts Officer, MPCB, Mumbai.
2. CC/CAC desk- for record & website updation purposes.