

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Red/LSI

Date: 27/Nov/2013

Consent No: Consent No. BO/JDWPC/EIC-KP-9337-12-/CO/CC-9755

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. Appasaheb Nalawade Gadhinglaj Taluka SSK Ltd. (Distillery)
Harali Tal - Gadhingalaj, Dist - Kolhapur.

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: 31.08.2014
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Industrial Alcohol	720	MT/month
2	Fusel Oil	1.5	MT/month

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

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 134 m³
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 8 m³

(iii) Trade Effluent Treatment:

Treatment: The applicant shall provide reboiler and multiple effect reboiler as a primary followed by well designed composting. The arrangement shall be leaked proff and no effluent or leakages/seepages shall find its way into environment thereby causing pollution of surface/ground/ generated water.

Condition for Aerobic Composting are as below

- 1] 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.
- 2] Application shall ensure availability of adequate filler material such as press mud, bagasses, agricultural, biological waste as required for effective composting system.
- 3] Composting material should meet the following specifications:

Moisture	...	30 to 35%
Carbon	...	Below 17
Nitrogen	...	1.5 to 2%
Phosphorus	...	1.5 to 2%
Potassium	...	3.0 to 4%
- 4] The compost leachet (1 gram of compost mixed with 100 ml of water distilled water and filtered) / filtrate shall confirm to the following limit:-

pH	Not to exceed	7.5 to 8.0
BOD	Not to exceed	30 mg/l
- 5] A pucca leak proof guard pond of sufficient holding capacity should be provided to cope up with the effluent discharge during short term process disturbances/monsoon. In case of prolonged disturbance in effluent treatment and disposal system, the contributing units shall be shut down and shall not be restarted without rectifying the system.
- 6] The composting site/pits shall be made leak proof by proper lining. A catch drain shall be provided round the composting site to collect, leachates/runoff and same shall be recycled into the storage pond for application on compost depots. Arrangements for overturning of compost material in pits/windrows and spraying of spent wash shall be made to ensure appropriate aeration and uniform distribution of spent wash.
- 7] 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 if the composted manure before onset of monsoon. The composted 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.
- 8] Characteristics of the 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.
- 9] 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.

10] 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 idle period.

11] The operation of distillery should be restricted to 270 days in year and that it will not operate during rainy season. i.e. from 10th June to 10th Sept. every year.

(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 27° 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 irrigation/ gardening only.

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

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

(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 shall 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 atleast 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".

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	... 12 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	... 265 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	... --- CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	... --- 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:

Industry shall provide dust collector of sufficient capacity to control the emissions.

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. Standards for Stack Emissions:

(i) **Standards for Emissions of Air Pollutants :**

SPM/TPM Not to exceed 150 mg/Nm³

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

Sr. No.	Type Of Fuel	Quantity	UOM
I	Steam obtain from sugar unit	-	-

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

Sr. No.	Chimney Attached To	Height in m
-	-	-

(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.

9. 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.	20.3 Distillation residue	5	MT/year	Composting

(ii) Treatment: - NIL.

- 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 CPCB as a re-refiner of used oil having environmentally sound technology as per the provisions of Hazardous Waste (Management & Handling) Rules 1989 & Amendment Rules 2003 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 (M, H & TM) Rules, 2008 and shown & submitted to the Board as & when asked for.

10. Industry shall comply with following additional conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33 % of the available open land under green coverage/ tree plantation.
- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant shall 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.
- vi. The applicant shall 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 shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30th day of September every year, 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.

- ix. The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.

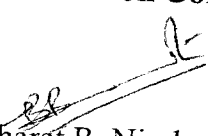
As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.

- x. The applicant shall install a separate electric 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 shall be maintained.
- xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection System.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

11. **The Board reserved the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.**
12. **This consent shall not be construed as any exemption from obtaining necessary No Objection Certificate from other Government agencies as may deemed fit necessary.**
13. **Industry shall complete the work of compost site on or before 31.12.2013, and submit Bank Guarantee of ₹ 5 lakhs to ensure compliances of the same if you fail to complete the said work you should voluntarily stop production. This Bank Guarantee of ₹ 5 lakhs shall be submitted in favour of the Regional Officer, Kolhapur within 15 days period from the receipt of consent. Bank Guarantee shall be valid up to 31.12.2014.**
14. **Industry shall submit Bank Guarantee of ₹ 2 lakhs towards compliance of consent conditions in favour of the Regional Officer, Kolhapur within 15 days period from the receipt of consent. Bank Guarantee shall be valid up to 31.12.2014.**
15. **The Capital Investment of the Distillery unit is ₹ 4.39 Cr.
(C.I. of Sugar Unit 42.15 Cr. + Distillery Unit 4.39 Cr. = Total Investment = 46.54 Cr.)**

16. This Consent is issued pursuant to the decision of the Consent Committee meeting of the Board held on 22.08.2013.
17. This is issued as per the empowerment granted vide office note dt. 11.11.2013

For and on Behalf of the
Maharashtra Pollution Control Board


(Bharat B. Nimbarte)
Water Pollution Abatement Engineer /
Joint Director (Water Pollution Control)

To,

M/s. Appasaheb Nalawade Gadhinglaj Taluka SSK Ltd. (Distillery)
Harali Tal - Gadhingalaj, Dist - Kolhapur.

Copy To

- Regional Officer, RO Kolhapur/ Sub Regional Officer, Kolhapur: - They are directed to ensure compliance of consent conditions.
- Cess Wing/ CEO/Master File

Received Consent fee of -

Sr. No.	Amount (₹)	DD. No.	Date	Drawn On
1.	15,000/-	156416	30 Nov 2011	Kolhapur Dist Central Co-Op Bank Ltd.
2.	15,000/-	156450	08 Oct 2013	Kolhapur Dist Central Co-Op Bank Ltd.