

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 2402 0781/2401 0437

Fax : 220424068

Email : jdwater@mpcb.gov.in



Kalpataru Point  
02<sup>nd</sup>, 03<sup>rd</sup> & 04<sup>th</sup> floor  
Opp. Cineplanet  
Near Sion Circle, Sion (E)  
Mumbai- 400 022

Red/LSI

Date: 09/04/2013

Consent No: BO/JD(WPC)/EIC No PN-15758 -12/R/CC-CAC-2013-2

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 13 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. (Sugar + Co-Gen)  
A/P Shivanagar, 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: 31.07.2014.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	White sugar	12250	MT/M
2	Molasses	5000	MT/M
3	Pressmud	5000	MT/M
4	Bagasses	35000	MT/M
5	Electricity	21	MW

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 752.00M<sup>3</sup>.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 55.00M<sup>3</sup>.
- (iii) Trade Effluent :

Treatment: 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	500 mg/l

(iv) **Effluent Disposal:** The treated effluent shall be recycled / reused to maximum extent & remaining shall be used on land for gardening/Irrigation. In no case, at any time effluent shall find 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 domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

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

Sr. No.	Type Waste	Of Quantity	UOM	Treatment Disposal
1	Ash	514.00	MT/M	Sale to brick manufacturer
2	ETP Sludge	50.00	MT/M	used as manure
3	Empty Bags	10.00	No/M	Returned to recycler.

(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 drains 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 tonnes 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 amendments Rules, 2003 there under**

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

(i) Domestic purpose	...	60.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	612.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	3000.00CMD

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:**

- i) Wet scrubber/ESP of sufficient capacity shall be provided to bagasse fired boiler.
- ii) Bag Filter/ Ventury scrubber/ Dust collector of sufficient capacity shall be provided to sugar bagging section.

**b) Standards for Stack Emissions:**

1) TPM/SPM	Not to exceed	150	mg/Nm <sup>3</sup>
2) SO <sub>2</sub>	Not to exceed	1.14	T/Day

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Bagasse	1142.00	MT /Day

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler-1&2 each (Standby)	30.00
2	Boiler-3 each (Standby)	35.00
3	Boiler-4 & 5 each (Standby)	30.00
4	Boiler-6&7 each	76.00

(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 to 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. CREP conditions for Sugar Factory:**

**(A) Water Management:**

- i. Operation of ETP shall be started at least one month before starting of cane crushing to achieve desired MLSS. So as to meet prescribed standards from day one the operation of mill.
- ii. Waste water generation shall be reduced to 100 litres per tone of cane crushed.
- iii. Industry shall achieve zero discharge into in land surface water bodies.
- iv. 15 days storage capacity tank shall be provided for treated effluent to take care of no demand for irrigation.

(B) Emission Control: ESP/Bag filter/Venture scrubber shall be installed to comply with standards for particulate matter emission to < 150 mg/Nm<sup>3</sup>.

**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	5.1 Used /spent oil	400.00	Ltrs/Month	Mixed with bagasse and used in boilers.

(ii) Treatment: - NIL

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.

2. The Industry shall comply with the hazardous Waste (Management, Handling & Trans Boundary Movement) 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. 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.

**9. General 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 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
  - ix. An 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.
10. The Board reserves the right to amend or add any condition in this consent and same shall be binding on the applicant.
11. This consent shall not be construed as any exemption from obtaining necessary No Objection Certificate from other Government agencies as may deemed necessary.

12. Industry shall submit performance Bank Guarantee of Rs. 5.0 Lakhs towards the Operation & Maintenance of ETP and Air Pollution Control devises so as to achieve the consented standards, Bank Guarantee of Rs. 2.0 Lakhs towards providing necessary arrangements to cover the effluent collection system and to avoid the ingress of bagasse and other materials within Six Months. The Bank Guarantees shall be submitted within 15 days at Regional Office Pune.

13. This Consent is issued pursuant to the decision of the Consent Appraisal Committee meeting held on 12.03.2013.

14. The Capital investment of the Sugar and Cogeneration unit is Rs. 117.95 Crs. (Total C.I of the Industry including the C.I of distillery unit is Rs.136.74 Crs)

For and on Behalf of the  
Maharashtra Pollution Control Board

(Rajeev Kumar Mital, IAS)  
Member Secretary

To,  
The Malegaon S.S.K. Ltd. (Sugar + CoGen)  
A/P Shiynagar, Tal- Baramati, Dist- Pune.  
Pune -413116

Copy to: RO, MPCB, Pune and SRO, MCB, Pune -II. They are directed to collect the Bank Guarantees within 15 days from the industry.

CAO / Cess Branch / Master File.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	100	909414	05 Oct 2012	SBI Bank
2	150000	909425	05 Oct 2012	SBI Bank
3	225000	909292	03 Oct 2012	SBI Bank
4	100	909415	05 Oct 2012	SBI Bank
5	171896	059364	02 Aril 2013	Axis Bank