

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

Red/L.S.I

Date: 31/October/2013

Consent No. MPCB/JD (WPC)/EIC-KP-11697-12/R/CC-9192

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. Shri Chhatrapati Rajaram Sahakari Sakhar Karkhana Ltd.
Karveer, Kasaba Bawada, Tal - Karveer,
Dist - Kohapur

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: 31.07.2014
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1.	Sugar	9,739.7	MT/Month
2.	Molasses	3,652	MT/Month
3.	Bagasses	26,907	MT/Month
4.	Press Mud	3,427	MT/Month

(Sugar - 2200 TCD)

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 900 m³
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 40 m³

(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	Not to exceed	6.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
4	COD	Not to exceed	250 mg/l.
5	Oil and Grease	Not to exceed	10 mg/l.
6	Total Dissolved Solids	Not to exceed	2100 mg/l.
7	Chlorides	Not to exceed	600 mg/l.
8	Sulphates	Not to exceed	1000 mg/l.
9	D. Phosphate	Not to exceed	5 mg/l.

(iv) **Effluent Disposal:** The treated effluent shall be reused/recycled to the maximum extent and rest shall be used for irrigation within factory premises only. 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 27° C	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal:** The treated sewage shall be used on land for gardening within factory premises only. In no case, at any time effluent shall find its way to any water body directly or indirectly.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Boiler Ash	3864	kg/day	-	Sale to Brick Manufacturing

(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 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 amendment Rules, 2003 there under

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

- | | |
|---|-------------|
| (i) Domestic purpose | ... 60 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable | ... 940 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... --- CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed | ... 200 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:

ESP/Wet Scrubber of sufficient capacity shall be provided to bagasse fired boiler and sugar bagging section.

b) Standards for Stack Emissions:

- | | | | |
|--------------------|---------------|-----|--------------------|
| 1) SPM | Not to exceed | 150 | mg/Nm ³ |
| 2) SO ₂ | Not to exceed | 0.3 | T/day |

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

Sr. No.	Type Of Fuel	Quantity	UOM
1.	Bagasse	75	MT/hr

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

Sr. No.	Chimney Attached To	Height in meter
1.	Boiler - I (Thompson)	28
2.	Boiler - II (ISGEC)	30.45
3.	Boiler - III (Texmaco) 2 Nos	30.48

- (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.
- 3) Unit shall operate and maintain pollution control system before starting next crushing season.

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 ton 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 $< 150 \text{ mg/Nm}^3$.

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
1.	5.1 Used /spent oil	300	kg/A	By Incineration in Own Boiler

- (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) Rules, 2003.
 - 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.

9. General Conditions:

1. The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area/inhabitants.
2. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
3. 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.

4. 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 and conditions of this consent regarding pollution levels.
 5. The applicant shall not change or alter the 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.
 6. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
 7. The applicant shall make an application for renewal of the consent at least 60 days before the date of expiry to the consent.
 8. 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.
 9. 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.
 10. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
 11. The applicant shall install a separate 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.
 12. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the 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.
 13. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
 14. The applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
 15. The applicant shall provide central control panel system for monitoring the unit operation of common effluent treatment plant.
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9. **The Board reserved the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.**
 10. **This consent shall not be construed as any exemption from obtaining necessary No Objection Certificate from other Government agencies as may deemed fit necessary.**
 9. **The industry shall submit the following Bank Guarantees valid up to 30.11.2014 in favor of the Regional Officer, Kolhapur, within 15 days period.**
 - i) **Bank Guarantee of ₹ 5 Lakh towards Operation and Maintenance of Pollution Control System.**
 - ii) **Bank Guarantee ₹ 2 Lakh towards necessary arrangement to cover the effluent collection system and to avoid the ingress of bagasse and other material.**
 - iii) **Bank Guarantee ₹ 2 lakh towards reducing of effluent generation to meet CREP norms.**

11. This is issued with the approval of Consent Committee of the Board in its meeting held on 28.06.2013.
12. The Capital investment of the industry is ₹ 30.06 Cr.

For and Behalf of the
Maharashtra Pollution Control Board

(Rajeev Kumar Mital ^{IAS})
Member Secretary

To,
M/s. Shri Chhatrapati Rajaram Sahakari Sakhar Karkhana Ltd.
Karveer, Kasaba Bawada, Tal – Karveer,
Dist – Kohapur.

Copy To

- Regional Officer 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.	75,000/-	418556	16.10.2012	SBI Bank
2.	1,500/-	418685	19.12.2012	SBI Bank
3.	44,000/-	302727	23.08.2013	Kolhapur District Co. Op Bank