

MAHARASHTRA POLLUTION CONTROL BOARD

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Near Sion Circle, Sion (E)
Mumbai-400 022.

Red/L.S.I

Date: 17th / October / 2013

Consent No. MPCB/JD (WPC)/EIC-KP-11917-13/R/CC-8768

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 Mahankali SSK Ltd.
Rajaram Bapu Nagar, Tal - Kavathemahankaal,
Dist - Sangli.

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	3750	MT/Month
2.	Molasses	1500	MT/Month
3.	Press Mud	1500	MT/Month
4.	Bagasses	12000	MT/Month

(Sugar - 1250 TCD)

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 125 m³
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 30 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	88	kg/day	-	Sale to Brick Manufacturing
2	Fly ash	0.20	MT/day	-	Sale to Brick Manufacturing

(viii) **Other Conditions:** Industry should monitor effluent quality regularly.

4. CONDITIONS FOR MOLASSES STORAGE:

- 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.
- 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.
- 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.
- 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.
- 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	... 30 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	... 125 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	... 210 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:

Wet scrubber of sufficient capacity shall be provided to bagasse fired boiler.

b) Standards for Stack Emissions:

- 1) SPM Not to exceed 150 mg/Nm³
- 2) SO₂ Not to exceed 19.20 T/day

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

Sr. No.	Type Of Fuel	Quantity	UOM
1.	Bagasse	480	MT/day

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

Sr. No.	Chimney Attached To	Height in meter
1.	Boiler	30

(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.

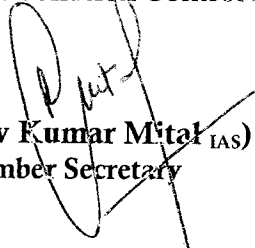
Sr. No.	Type of Waste	Quantity	UOM	Disposal
1	5.1 Used /spent oil	0.03	MT/month	By Incineration in Own Boiler
2	34.3 Chemical sludge from waste water treatment	25	MT/month	Used as manure

(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. 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.
11. The industry shall submit the Bank Guarantee of ₹ 5 Lakh towards Operation and Maintenance of Pollution control system and Bank Guarantee ₹. 2 Lakh towards providing necessary arrangement to cover the effluent collection system and to avoid the ingress of bagasse and other material.
12. This is issued with the approval of Consent Committee of the Board in its meeting held on 28.06.2013.

13. The Capital investment of the industry is ₹ 60.69 Cr.

For and Behalf of the
Maharashtra Pollution Control Board


(Rajeev Kumar Mital IAS)
Member Secretary

To,
M/s. Shri Mahakali SSK Ltd.
Rajaram Bapu Nagar, Tal - Kavathemahankaal,
Dist - Sangli.

Copy To

- Regional Officer Kolhapur/ Sub Regional Officer Sangli: - 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/-	818874	07 Dec 2012	Sangli DCC Bank
2.	43750/-	918991	27 Aug 2013	Sangli DCC Bank