

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai- 400 022

Red/L.S.1

Date: 13/01/2014

Consent No: BO/JD (WPC)/EIC No. AD-13392-13/CC- 387

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].

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CONSENT is hereby granted to

M/s. Shri Sant Shiromani Maruti Maharaj SSK Ltd.,  
Mauli Nagar Belkund,  
Tq. Ausa Dist. Latur.

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	DOM
1	White Sugar	3750	MT/M.
2	Molasses	1500	MT/M.
3	Bagasse	11250	MT/M.
4	Press Mud	1500	MT/M.

Capacity of the Sugar unit is 1250 TCD.

## 2. CONDITIONS UNDER WATER ACT:

- (a) The effluent quality shall be as per the standards prescribed in the effluent discharge consent order.
- (b) The daily quantity of sewage effluent shall be limited to 10 m<sup>3</sup>.

For Further Details:

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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 & 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	600 mg/l

(iv) **Effluent Disposal:** The treated effluent shall be recycled/reused to the maximum extent and remaining shall be used on land for gardening/irrigation within factory premises only. In no case, at any time effluent finds 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 effluent shall be soaked into soak pit which shall be got cleaned periodically. Overflow, if any be used on land for gardening only within factory premises only. In no case at any time effluent finds its way to any water body directly or indirectly.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Boiler Ash	8.0	MT/day		Sale to Bricks mfg.

(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 kuteha 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 shall be stored in such a way that there shall be no spillage of molasses from the tanks. Adequate arrangements for accidental discharges of molasses from the tanks shall be provided.

(iv) Destruction of molasses and its disposal shall be done in such a way that it shall not cause any pollution to the environment. The molasses shall be disposed of in such a way that it shall not cause any pollution to the environment.

- (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 ... 20.00 CMD
- (ii) Water gets Polluted & Pollutants are Biodegradable ... 300.00 CMD
- (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic ... 0.00 CMD
- (iv) Industrial Cooling, spraying in mine pits or boiler feed ... 225.00CMD

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:**

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

**b) Standards for Stack Emissions:**

- 1) SPM Not to exceed 150 mg/Nm<sup>3</sup>
- 2) SO<sub>2</sub> Not to exceed 1.68 T/day

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Bagasse	120.00	MT/day
2	Diesel	10.00	Litre/Day

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

Sr. No.	Height	Material

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

**8. 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.

11. The applicant 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.

- 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.

**9. 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	Litr/month	used as fuel to Boiler
2	34.3 ETP sludge	3.00	MT/M	Used as manure

- (ii) Treatment: -

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. 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.

**10. Industry shall comply with following additional conditions:**

1. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources to avoid any nuisance to surrounding area /inhabitants.
2. The applicant shall bring minimum 33% of the available area land under green coverage/ tree plantation.

- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. 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. This consent shall not be construed as any exemption from obtaining necessary No Objection Certificate from other Government agencies as may deemed fit necessary.**

**12. Specific conditions (Sugar Industry) with Bank Guarantees along with time bound program me for compliance.**

Sr. No.	Code	Consent conditions	Date	Amount
		Sugar Industry shall not be allowed to discharge effluents into the environment without the consent of the Board.		
		The consent shall be granted for a period of five years from the date of issue.		
		The consent shall be subject to the conditions specified in the consent.		

		upgrade & make the ETP operational with improvement to meet the standards.		
3	S6	Plans to be submitted for utilization of Fly ash & Bottom ash as per Fly ash Notification.	10.000/-	31.01.2014.
4	S7	O & M for achieving consented standards of effluent	Five Lakhs	Monthly
	S8	O & M for achieving consented standards of Stack emission		Monthly

13. All above Bank Guarantees shall be submitted within 15 days to Regional Office Aurangabad. The Bank Guarantees shall be valid up to: 30.11.2014.
14. This consent is issued pursuant to the decision of consent committee meeting of the Board held on 27.12.2013.
16. The Board reserves right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.
15. The Capital investment of the industry is Rs. 31.58 Cr.

For and on Behalf of the  
Maharashtra Pollution Control Board.

(Rajeev Kumar Mittal, IAS)  
Member Secretary

To,

M/s. Shri Sant Shiromani Maruti Maharaj SSK Ltd.,  
Mauli Nagar Belkund,  
Tq. Ausa Dist. Latur,  
Maharashtra -413507

Copy to:-

- 1) Regional Officer MPCB Aurangabad - He is directed to release the existing Bank Guarantee after submission of fresh Bank Guarantee.
- 2) Sub-Regional Officer MPCB Latur - They are directed to ensure compliance of consent conditions.

cc: AOA Cell Wing

Received Consent No. 01/-