

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Date: 09/Nov/2012

Consent No: BO/JD(WPC)/ECI-PN-14750 -12/O/B-704

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].

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CONSENT is hereby granted to

Shri Vighnagar SSK Ltd.(Cogeneration Unit),
Nivritinagar (Dhalewadi), Post- Shiroli(bk), Tal- Junnar, Dist- Pune
Pune, Maharashtra

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: . 31.03.2015
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Sugar	18000	MT/Month
2	Molasses	6000	MT/Month
3	Press Mud	6000	MT/Month
4	Bagasse	45000	MT/Month
5	Cogeneration (Electricity)	18	MW

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 113.80M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 153 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
3	Suspended Solids	Not to exceed	100 mg/l.
4	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
5	COD	Not to exceed	250 mg/l.
6	Oil & Grease	Not to exceed	10 mg/l.
7	Total Dissolved Solids	Not to exceed	2100 mg/l.
8	Chlorides	Not to exceed	600 mg/l.
9	Sulphates	Not to exceed	100 mg/l.

(iv) **Effluent Disposal:** The treated effluent 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.

(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 recycled to the maximum extent and remaining shall be used on land for gardening.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Boiler Ash	0.00			Used for sale for bricks mfg.

(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 kutchha 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 | ... | 261.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable | ... | 90.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 0.00 CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed | ... | 110.00 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/ESP of sufficient capacity shall be provided to bagasse fired boiler.

b) Standards for Stack Emissions:

- | | | | |
|--------------------|---------------|------|--------------------|
| 1) SPM | Not to exceed | 150 | mg/Nm ³ |
| 2) SO ₂ | Not to exceed | 3400 | kg/day |

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Bagasse	1232.00	MT

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler I & II	45.00
2	Boiler III & IV	60.00

- (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 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 mg/Nm³.

8. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES, 2008:

- (i) The Industry shall handle hazardous wastes as specified below.

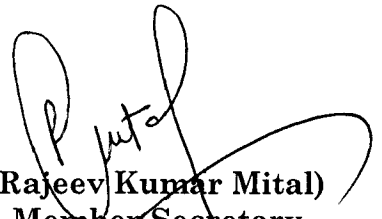
Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	5.1	1232.00	Kg/M	Incineration (Boiler)

(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) 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.
 - 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.

- c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.
9. The industry shall submit the Bank Guarantee of Rs. 5.0 Lakh in favor of the Regional Officer, Pune within 15 days period towards Operation & Maintenance of pollution control system so as to achieve prescribed standards.
10. The industry shall submit the Bank Guarantee of Rs. 2.0 Lakh in favor of the Regional Officer, Pune within 15 days period for providing necessary arrangement to cover the effluent collection system and to avoid the ingress of bagasse and other materials
11. The consent is issue with the approval of Consent Committee meeting of Board held on 02/11/2012.
12. This consent is issued with over riding effect to earlier consent issued by the Board consent No.MPCB/PCI-III/EIC-PN-5755-10/R/CC-232 dated 18/10/2010.
13. The Capital investment of the industry is Rs. 5927 Lacs.


(Rajeev Kumar Mital)
Member Secretary

To,
Shri Vighnagar SSK Ltd.(Cogeneration Unit),
Nivritinagar (Dhalewadi), Post- Shirol(bk), Tal- Junnar, Dist- Pune
Pune , Maharashtra

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Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	100000	038636	23 Sep 2011	Bank of India