

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Consent No. BO/JD (WPC)/RO ABAD/ EIC-AD-10136-12/O/CC-417 ^{CAC} Date: 25/12/2012

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 Vikas Sahakari Sakhar Karkhana Ltd (Co-generation)
A/P Nivali Vaishalinagar, Latur.

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: 31.10.2012.
2. The Consent is valid for the manufacture of -

| Sr. No. | Product Name | Maximum Quantity | UOM |
|---------|------------------------|------------------|-----|
| 1 | Electricity Generation | 18 | MW |

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 65.00M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 5.00M³.
- (iii) Trade Effluent :

Treatment: The applicant will provide comprehensive treatment consistsisting 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.

The Industrial effluent arising from various sections of Power Plant shall be given such treatment either collectively or individually as the site condition permits that the final quality of effluent shall have following character standards:

I. Boiler Blow downs:

- | | | | |
|----|------------------|---------------|-----------|
| 1) | Suspended Solids | Not to exceed | 100 mg/l. |
| 2) | Oil & Grease | Not to exceed | 20 mg/l. |
| 3) | Copper (Total) | Not to exceed | 1 mg/l. |
| 4) | Iron (Total) | Not to exceed | 1 mg/l. |

II. Cooling Tower Blowdown:

- | | | | |
|----|-------------------------|---------------|------------|
| 1) | Free available chlorine | Not to exceed | 6.5 to 8.5 |
|----|-------------------------|---------------|------------|

| | | | |
|----|------------------|---------------|-----------|
| 2) | Zinc | Not to exceed | 1 mg/l. |
| 3) | Chromium (Total) | Not to exceed | 0.2 mg/l. |
| 4) | Phosphate | Not to exceed | 5 mg/l. |

III. D.M Plant Effluent:

| | | | |
|----|------------------|---------------|------------|
| 1) | pH | Between | 6.5 to 8.5 |
| 2) | BOD 3 Days 27° C | Not to exceed | 100 mg/l |
| 3) | COD | Not to exceed | 250 mg/l. |
| 4) | Suspended Solids | Not to exceed | 100 mg/l. |
| 5) | Oil & Grease | Not to exceed | 10 mg/l. |
| 6) | TDS | Not to exceed | 2100 mg/l. |

(iv) Trade Effluent Disposal: The treated trade effluent from cooling, D.M Plant; Boiler Blow Down water shall be recycled and reused in the process.

(iv) 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 sewage effluent shall be soaked in a soak pit, which shall be got cleaned periodically and shall be used on own land for irrigation/gardening.

(vii) Non-Hazardous Solid Wastes:

| Sr. No. | Type Waste | Quantity | UOM | Treatment | Disposal |
|---------|------------|----------|------|-----------------------------|--------------|
| 1 | Boiler Ash | 188 | MT/M | sale to manufacturer/manure | brick use as |

(viii) Other Conditions:

- Industry should monitor effluent quality regularly.
- Green Belt a forestation shall be done upto 33% on available open space land.
- The firm shall provide continuous flow meter for the measurement of the flow of the effluent.

4. 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 | ... | 5.00 CMD |
| (ii) | Water gets Polluted & Pollutants are Biodegradable | ... | 1335.00 CMD |
| (iii) | Water gets Polluted, Pollutants are not Biodegradable & Toxic... | ... | 0.00 CMD |
| (iv) | Industrial Cooling, spraying in mine pits or boiler feed | ... | 15.00 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.

5. 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) Dry cyclones (Bagasse drier) & fly ash arrestor provided to boiler should be operated and maintained properly so as to achieve standard of 100 mg/Nm³ TPM level.

b) Standards for Stack Emissions:

- | | | |
|--------------------|---------------|--------------------------|
| 1) SPM/TPM | Not to Exceed | 100 mg/Nm ³ . |
| 2) SO ₂ | Not to exceed | 3.28 MT/Day |

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

| Sr. No. | Type Of Fuel | Quantity | UOM |
|---------|--------------|----------|------|
| 1 | Bagasse | 822 | MT/M |

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

| Sr. No. | Chimney Attached To | Height in Mtrs. |
|---------|-----------------------------------|-----------------|
| 1 | Boiler (Existing Sugar Boiler) | 65 |
| 2 | Boiler (New Co-generation Boiler) | 65 |

- (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) The Industry shall ensure that fugitive emissions from the activity are controlled so as to maintain safe environment in and around the factory premises.
- 4) If due to any technological improvements or otherwise this Board is of that opinion that all or any of the conditions referred above require variation (including the change of any control equipment either in whole or in part), this Board shall after giving the applicant an opportunity of being heard very all or any such conditions and there upon the applicant shall be bound to comply with the conditions so varied.

6. 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 |
|---------|---------------|----------|-----|----------|
|---------|---------------|----------|-----|----------|

Industry shall not generate any type of Hazardous Waste----

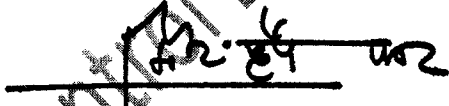
- (ii) Treatment: -

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.

7. Industry shall comply with following additional 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 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 30th day of September every year, the Environmental Statement Report for the financial year ending 31st 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.
8. This Consent is issued pursuant to the decision of Consent Appraisal Committee meeting of Board held on 16.04.2012.
9. The Capital investment of the industry is Rs. 61.66 Crores .


 (Milind Mahiskar)
 Member secretary

To,
 Vikas Sahakari Sakhar Karkhana Ltd. (Co-generation)
 A/P Nivali Vaishalinagar,
 Latur -413512

Copy to :- RO Aurangabad / SRO Latur :- They are directed to ensure compliance of consent conditions.
 CAO/Cess wing/Master file.

Received Consent fee of -

| Sr. No. | Amount(Rs.) | DD. No. | Date | Drawn On |
|---------|-------------|---------|-------------|-------------------------|
| 1 | 100100 | 081720 | 13 Mar 2012 | State Bank of Hyderabad |