

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/LSI



Kapataru Point
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Near Sion Circle, Sion(E),
Mumbai- 400 022

Consent No. BO/JD (WPC)/EIC No. KP-7803-11/R/CC- CAC- 57

Date: 12/11/2011

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. Shree Renuka Sugars Ltd, (Co Generation)
Unit M/s. D.B. Ratnappanna Kumbhar
Panchaganga SSK Ltd.
Ganganagar, Ichalkaranji,
Tal-Hatkanangale, Dist-Kolhapur.**

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 -30/09/2012
2. The Consent is valid for -

Sr. No	Products	Max. Qty.
1	Electricity (Co Generation Plant)	30 MW

3. CONDITIONS UNDER WATER ACT:

- (i) The quantity of trade effluent from
 - a) From Boiler shall not exceed 2856 M³/Day.
 - b) From Cooling shall not exceed 200 M³/Day.
- (ii) The daily quantity of sewage effluent from the factory should not exceed 16 M³/day.

(iii) Trade Effluent :

Treatment : The applicant should operate comprehensive treatment system consisting of primary/secondary and/or tertiary treatment as is warranted with reference to influent quality and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards :

Industrial Effluent of Power Plant :

The industrial effluent arising from various sections of power plant shall be given such treatment either collective or individually as the site condition permits that the final quality of effluent shall have following character standards:-

a) Condenser Cooling Water :

- 1) pH Between 6.5 to 8.5
- 2) Temperature Not to exceed 5 degree C
Higher than the intake water temperature
- 3) Free available Chlorine Not to exceed 0.5 mg/l.

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b) Boiler Blow down:-

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.

c) Cooling Tower Blow down :-

1)	Free available Chlorine	Not to exceed	0.5	mg/l.
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.

(iv) **Trade Effluent Disposal:** The treated effluent shall be 100 % recycled/ reused in process to achieve Zero discharge.

(v) **Sewage Effluent Treatment:** The applicant should operate comprehensive treatment system as is warranted with reference to influent quality 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 Deg. C.	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal :** The treated domestic effluent shall used on own land for irrigation / gardening.

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

Type of waste	Quantity	Treatment	Disposal
Fly Ash	0.9 T/Hr	---	Sale to Brick Mfg.

(viii) **Other conditions:** The industry should monitor effluent quality regularly from MoEF approved laboratory.

4. The applicant should comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules there under:

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

i	Domestic	20 CMD
ii	Industrial Processing	10 CMD
iii	Industrial Cooling	220 CMD
iv	Industrial Boiler	3360 CMD

The applicant should 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 should operate a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and maintain the same continuously so as to achieve the level of pollutants to the following standards:

Control Equipment:

- 1] The industry shall operate & maintain ESP provided to Bagassa, Biogas, Agro feed based fired boiler regularly so as to achieve TPM emission level.
- 2] Preheating arrangement shall be provided so as to maintain moisture content of bagasse to be used as fuel shall be less than 05 % by dry basis.

Conditions for D.G. Set:-

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 2] 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 metres from acoustic enclosure/room and then average.
- 3] Industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
- 4] Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- 5] Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- 6] 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.
- 7] D.G. Set shall be operated only in case of power failure.
- 8] The applicant should not cause any nuisance in

Standards for Emissions of Air Pollutants:

(i)

1	SPM/TPM	Not to exceed	150	mg/Nm ³
2	SO ₂	Not to exceed	0.65	T/day

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

Sr. No.	Type of fuel	Quantity
01	Bagases	65 MT/Hr

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

Sr. No.	Chimney attached to	Height (in meters)
1	Boiler	75 mtrs.
2	D.G Set (1010 KVA-02 Nos)	7.0* each

*- above the roof level in which it is installed

(iv) The applicant should provide ports in the chimney/(s) and facilitates such as ladder, platform etc. For monitoring the air emissions and the same should be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission should be designated by numbers such as S-1, S-2, etc. And these should be painted / displayed to facilitate identification.

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- (v) The industry should take adequate measures for control for 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 p.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 from MoEF approved laboratory.

6. CONDITIONS UNDER HW (M,H & T) RULES, 2008 :

The applicant should handle hazardous wastes as specified below:

Sr. No.	Item No.	Type of Waste	Quantity	Disposal
The industry shall not generate any Hazardous Waste				

7. 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 should 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 should be stopped.

8. General Conditions:

- (i) The applicant should bring minimum 33% of the available open land under green coverage/ plantation. The applicant should submit a yearly statement by 30th September every year on available open plot area, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
- (ii) The applicant should provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant should stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- (iii) The applicant should make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. The applicant should not change or alter cuantity, 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.
- (iv) The firm should submit MPCB, 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 before 30th September every year.
- (v) The applicant should 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 should be maintained. The applicant should also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- (vi) Separate drainage system should be provided for collection of trade and sewage effluents. Terminal manholes should be provided at the end of collection system with arrangement for measuring the flow. No effluent should be admitted in the pipes/sewers down- stream of the terminal manholes. No effluent should find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises should be allowed to mix with the effluents from the factory.

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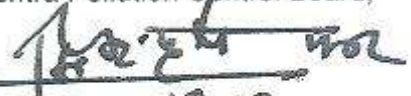
- (vii) The applicant should provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and should pay to the Board for the services rendered in this behalf. An inspection book should be opened and made available to the Board's officers during their visit to the applicant.
- (viii) The industry should ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- (ix) The applicant should maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.

9. Capital Investment of the industry is Rs 105.63 Cr.

10. The applicant should comply with conditions of Environment clearance granted by GoM vide No. SEAC-2009/CR16/TC2, dated, 18.11.2009

11. This is issued with approval of Consent Appraisal Committee meeting of the Board held on dtd 19.10.2011

For and On Behalf of the
Maharashtra Pollution Control Board,


(Milind Mhaiskar)
Member Secretary

To,
M/s. Shree Renuka Sugars Ltd,(Co Generation)
Unit M/s. D.B. Ratnappanna Kumbhar
Panchaganga SSK Ltd.
Ganganagar, Ichalkaranji,
Tal-Hatkanangale, Dist-Kolhapur.

Copy to :

- 1) Regional Officer -Kolhapur ,MPCB, Kolhapur
- 2) Sub Regional Officer, Kolhapur, MPCB, Kolhapur
- 3) Chief Account Officer, MPCB, Sion, Mumbai.
- 4) Cess Wing , MPCB, Sion ,Mumbai

Received Consent fee (in Rs.) vide:	Amount	D.D. No.	Date	Bank Name
	75000/-	001621	11/08/2010	Axis Bank
	30634/-	028624	29/09/2010	HDFC Bank
	10840/-	002563	31/10/2011	Axis Bank
	216777/-	002558	24/10/2011	Axis Bank
	89255/-	094684	24/11/2011	Axis Bank