

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022.

RED/LSI EIC no- PN-11281-11

Consent No. MPCBHQ/AS(T)/Pune/Operate/CC- 33

Date: 23/11/2011

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 under Rule 5 of the Hazardous Wastes (Management & Handling) Rules 1989 and Amendment Rules, 2008.

[To be referred as Water Act, Air Act and HW (M & H) Rules respectively].

CONSENT is hereby granted to

M/s. Baramati Agro Ltd (Co-Generation Unit)
Village Shetphal Gadhe, Tal Indapur
Dist Pune

located in the area declared under the provisions of the Water Act, Air act and Authorisation 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: 30.10.2012

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

Sr. No.	Product	Maximum Quantity
1)	Electricity Generation (Co generation) (Baggase as fuel)	20 MW

3. CONDITIONS UNDER WATER (Prevention & Control Of Pollution), ACT, 1974:

(i) The quantity of trade effluent from the factory shall not exceed 30 M³/Day.

(ii) The quantity of sewage effluent from the factory shall not exceed 08 M³/day.

(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:

A. 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:

B. 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

C. 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.

D. 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 recycled and reused in process to maximum extent and remaining shall be used on own land for gardening.

(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 domestic effluent shall be allowed to soak 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:

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
Fly ash	0.65 MT/Day	---	Sent to cement manufacturers & dispose as per Govt. of India Guidelines / Notification dated 3/11/2009

(viii) Other conditions:

i) The industry should monitor effluent quality regularly.

ii) Green Belt a forestation shall be done up to 33% on available open space land.

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 Rules there under:

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

(i)	Domestic	....	10.0	CMD
(ii)	D M Plant	....	10.0	CMD
(iii)	Boiler Blow Down	....	20.0	CMD
(iv)	Boiler Make up	....	210.0	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 which is also available on MPCB website at <http://mpcb.mah.nic.in/images/cessform1.pdf>.

5. CONDITIONS UNDER AIR (Prevention & Control of Pollution), ACT, 1981:

(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:

1. Electrostatic Precipitator shall be provided to Boiler and any other source of particulate matter.
2. Dust collector of sufficient capacity shall be provided to coal crusher and any other sources of SPM.
3. The industry shall make necessary provisions for installing FGD with sufficient efficiency in its design and layout, and sufficient floor space so that it can be installed in future, as and when directed by Board.

B. Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	100 mg/Nm. ³
(ii)	SO ₂	Not to exceed	4.32 TPD.

(I) The applicant shall observe the following fuel patten :-

<u>Sr. No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
(i)	Baggase	1080 MT/day

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

<u>Sr. No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
i)	Boiler	65

- (III) 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.
- (IV) 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.
- (V) **Other Conditions:**
- There shall not be any fugitive emissions.
 - The industry shall not cause any nuisance in surrounding area.
 - The industry shall monitor stack emissions & ambient air quality regularly.
 - Continuous monitoring system at upwind and downwind direction shall be installed for monitoring SO₂ & SPM and results shall be submitted to the Board every fortnight.

6. CONDITIONS UNDER HW (M &H) RULES, 1989 & AMENDMENT RULES, 2003:


- (i) The applicant shall handle hazardous wastes as specified below:

Sr. No.	Item No. of Process generating HW as per Schedule-I	Type of Waste	Quantity	Disposal
1	5.1	Used oil	100 litres/M	CPCB/MPCB authorized recycler/re processor.

- (ii) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of 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 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.
8. **General conditions:**
- The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall 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.
 - The applicant shall 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 shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
 - 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.
 - The firm shall 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.
 - The applicant shall 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 shall be maintained. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
 - 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. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

- (vii) 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. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) The industry shall 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 shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area/inhabitants.
9. This consent is issued pursuant to the decision of Consent Committee meeting held on 04.11.2011.
10. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
11. The applicant shall comply with the conditions of Environmental Clearance granted by MoEF, Gol, vide no.J-11011/475/2007-IA II (I) dated 15th April, 2011.
12. This Board reserves the right to amend or add any conditions in this consent and same shall be binding on the applicant.
13. The capital investment of the Co-gen plant is Rs. 49.93/- Crores.

For and on behalf of the
Maharashtra Pollution Control Board


(Milind Mhaiskar, IAS)
Member Secretary

To,
M/s. Baramati Agro Ltd (Co-Generation Unit)
Village Shetphal Gadhe, Tal Indapur
Dist Pune

Copy to:

- 1) Regional Officer, MPCB, Pune
- 2) Sub-Regional Officer, MPCB, Pune-I.
- 3) Chief Accounts Officer, MPCB, Mumbai.

Received Consent fee of -

<u>Amount</u>	<u>D. D. No.</u>	<u>Date</u>	<u>Drawn on</u>
50000	285489	28/05/2011	Bank of India
25000	016803	11/05/2011	Bank of India