

MAHARASHTRA POLLUTION CONTROL BOARD

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

Red/L.S.I

Date: 19/Jan/2013

Consent No:BO/MPCB/PN-1599-12/JD(WPC)/R/CC-CAC-788

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].

.....
CONSENT is hereby granted to
Baramati Agro Ltd., (Co-generation unit)
Village - Shetphalgadhe, Tal.-Indapur,
Dist.- Pune.

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:- 30.10.2014
2. The Consent is valid for the manufacture of -

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

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 30 M3.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 8 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:

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. Condensor 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 | 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 the process to the maximum extent and remaining shall be used on own land for gardening. In no case, at any time effluent shall 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 domestic effluent shall be allowed to soak in soak pi, which shall be got cleaned periodically and shall be used on own land for irrigation / gardening.

(vii) Non-Hazardous Solid Wastes:

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Fly ash	0.65	MT/Day	Sent to cement manufacturers & dispose as per Govt. of India Guidelines Notification Dt. 31/11/2009.	

(viii) Other Conditions:

- Industry should monitor effluent quality regularly.
- Green belt a forestation shall be done upto 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 amendment Rules, 2003 there under

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

- | | | |
|----------------------------|-----|-----------|
| (i) Domestic purpose | ... | 10.00 CMD |
| (ii) Water gets Polluted & | | |

Pollutants are Biodegradable ...	0.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic ...	0.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed ...	240.00CMD

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.

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:

- i) ESP of sufficient capacity shall be provided to bagasse fired boiler and any other source of particular matter.
- ii) Dust collector of sufficient capacity shall be provided to coal crusher and any other sources of SPM.
- iii) 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 Stack Emissions:

- | | | | |
|--------------------|---------------|------|--------------------|
| 1) SPM | Not to exceed | 150 | mg/Nm ³ |
| 2) SO ₂ | Not to exceed | 4.32 | T/day |

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Bagasse	1080	MT/day

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	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 monitor stack emissions & ambient air quality regularly.

6. 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	100	Litrs/M	CPCB/MPCB authorized reprocessor.l

Treatment: - NIL

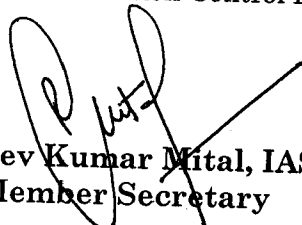
1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
- a. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be 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 per 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. The applicant shall comply with conditions of Environmental Clearance granted by MoEF, GOI, Vide No. J-11011/475/2007-IA II(I) dated. 15th April, 2011.
 9. The consent is issue with the approval of Consent Appraisal Committee meeting of Board held on 27.12.2012.
 10. The Capital investment of the Co-Gen unit is Rs. 49.93Crs. (Total C.I of the Industry is Rs.186.30 Crs.)

For and on Behalf of the
Maharashtra Pollution Control Board,


(Rajeev Kumar Mital, IAS)
Member Secretary

To,
M/s. Baramati Agro Ltd., (Co-generation unit)
Village - Shetphalgadhe, Tal.- Indapur,
Dist. Pune.

Copy to:
Regional Officer, MPCB, Pune
Sub-Regional Officer, MPCB, Pune- I
CAO / Cess wing.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	150000/-	015239	27 Aug 2012	SBI
2	100/-	540558	31 Aug 2012	SBI