


MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Date: 21/9/12

Consent No: BO/JD PAMS/RO-KP/EIC No.KP-9967-12/Amnd/CC- 591

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 & Transboundry Movement) Rules 2008

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

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Amendment to CONSENT is hereby granted to
M/s. Gharda Chemicals Ltd.
Plot No. F-1/1, M.I.D.C Lote Parshuram,
Tal-Khed, Dist. Ratnagiri -415 722

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(MH & 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 31.12.2013
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity
1	Captive Cogen Power	6.4 MW (Existing 4MW +2.4 MW additional from waste heat recovery)

3. CONDITIONS UNDER WATER ACT:

(i) The daily quantity of trade effluent from this activity should not exceed 125 M³ out of which daily 100 M³ will be recycled through Reverse Osmosis system provided and daily 25 M³ will be treated in ETP at D1/2 plot. This is combined activity with their unit at plot D-1/2 against which industry should not use the existing boilers. (The boilers shall be kept as stand-by units & shall be operated only in case of emergency or annual shut down of Co-gen plant) (Consumption of water for this activity is used from existing water from D-1/2 plant)

(ii) The daily quantity of sewage effluent from the factory shall be 2.00 M³

(iii) Trade Effluent Treatment:

Treatment: The applicant shall treat the effluent generated said above in their existing 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.

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° C higher than the intake water temp.
3	Free available Chlorine	Not to exceed	0.5 mg/ litres.

b) Boiler blow down :- The industry shall recover 100 KL/D from boiler blow down & by use of Reverse Osmosis to recycle it.

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

c) Cooling Tower blow down :-

1	Free available Chlorine	Not to exceed	0.5 mg/ litres.
2	Zinc	Not to exceed	1 mg/ litres.
3	Chromium (Total)	Not to exceed	0.2 mg/ litres.
4	Phosphate	Not to exceed	5 mg/ litres.

d) Ash Pond Effluent:-

1	pH	Between	5.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/ litres.
3	Oil & Grease	Not to exceed	20 mg/ litres.

Trade Effluent Disposal: The treated effluent should be combined with existing ETP at their unit at D-1/2.

(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 | 200 | mg/l. |
| (2) | BOD 3 days 27° C. | Not to exceed | 100 | mg/l. |

(v) Sewage Effluent Disposal: The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically.

(vi) Non-Hazardous Solid Wastes:

Sr. No.	Type Of Waste	Quantity	Disposal
1	Boiler Ash	825 MT/M.	Sale to Brick/Cement Mfg. & contractor for road construction. 1) Ultratech Cement Ltd., Ratnagiri 2) Bhakti Contractor, Panvel 3) Atharva Coal Ash Supplier, Raigad. 4) Annugrah Brick Mfg., Khed.

(vii) Other Conditions:

- (1) Continuous monitoring system shall be installed on all units for monitoring Sulphur Dioxide, Suspended Particulate Matter and results submitted to the Board every fortnight. The results for continuous monitoring system, monitoring shall be done and results be submitted as stated above.
- (2) The coal handling system shall be covered with proper hooding and ventilation arrangements connected to dust suppress agent so as not to allow any fugitive emission.
- (3) There shall not be any fugitive emission.

- (4) The factory authorities shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants. The quarterly returns of the energy/consumption shall be submitted to Board office under intimation to respective Regional and Sub- Regional Officer on each 10th of January, April, July and October.
- (5) The firm should provide continuous flow meter for the measurement of the flow of the effluent.
- (6) The industry should not cause any nuisance in surrounding area.
- (7) The industry should monitor stack emissions & ambient air quality regularly.

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 | ... | 3.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable | ... | 5.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 0.00 CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed | ... | 1620.00 CMD |
| (v) Agriculture/Gardening | ... | ---- 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 operate 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 / wet scrubber of sufficient capacity shall be provided to Boiler & any other sources of Particulate matter so as ensure that TPM emission do not exceed 150 mg/Nm³
- 2) The applicant shall provide ports in the chimney(s) and facilitate 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 as S-1, S-2 etc. and these shall be painted displayed to facilitate identification.
- 3) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB (A) during day time and 70 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.

Standards for Emissions of Air Pollutants:

- | | | |
|----------------------|---------------|------------------------|
| (i) SPM/TPM | Not to exceed | 150 mg/Nm ³ |
| (ii) SO ₂ | Not to exceed | 1.52 T/day. |

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	100 % Imported coal OR a suitable combination of wood chips/biomass briquettes & Indian/imported Coal. (Av.	152	TPD

	Sulphur content shall not exceed 0.5%)		
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- (ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Steam Boiler	65.0

- (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.
- (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.

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

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

Sr. No.	Category	Type Of Waste	Quantity	Disposal
Industry shall not generate any Hazardous Waste.				

- (ii) Treatment: - NIL

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 (MH & TM) Rules, 2008.

7. Whenever due to any accident or release of gases 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 and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emissions and ensure that the emissions do not cause any harm or nuisance in the surrounding. The industry should not restart the process without permission of the Board and other statutory organizations as require under the law.

8. General conditions:

- (i) 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.
- (ii) 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.
- (iii) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. 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.
 - (iv) The firm shall submit MPCB, 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 before 30th September every year.
 - (v) 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.
 - (vi) 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.
10. If CETP does not work for achieving standards & problem of pollution occurs, industry shall voluntarily stop the production or total effluent shall be reused.
 11. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may be deemed fit necessary.
 12. The industry shall also comply with the Industry Specific standards notified under Environment Protection Act.
 13. This board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
 14. This consent is issued as Environmental Clearance is exempted for power plants > 5MW up to 15 MW for using waste heat without any auxiliary fuel considering of MoEF, EIA notification (as amended on 01.12.2009). If there is

any change in production then industry shall obtain Environmental Clearance as per EIA Notification, 2006.

15. This amended consent granted has an overriding effect to earlier consent vide no. BO/JD PAMS/RO-KP/EIC No.KP-9967-12/Amnd/CC-485 dated 16.07.2012 valid upto 31.12.2013.
16. This consent is issued pursuant to the decision of the Consent Committee meeting held on 17.09.2012 of the Board.
17. The capital investment of the industry is Rs. 45.00 Cr.


(V.B.Waghjale)
Member Secretary

To,
M/s. Gharda Chemicals Ltd
Plot No. F-1/1, M.I.D.C Lote Parshuram,
Tal-Khed, Dist. Ratnagiri -415 722

Copy to : RO MPCB Kolhapur/SRO-MPCB Chiplun- They are directed to submit the compliance of consent conditions

Copy to-CAO/Cess Branch/ Master File

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	75,100	575358	17.09.2011	Canara Bank