

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

**Consent order No :-** Formate1.0/ BO/CAC-Cell/ EIC No KP-17212-15/6thCAC/ 12191  
**Date-** 19/09/2015

To,  
M/s Gharda Chemicals Limited,  
Plot No. D-1/2 & B-1/7, Lote Parshuram MIDC,  
Taluka Khed, Dist - Ratnagiri, 415722.

**Subject:** Consent to establish for installation of MEE, Incinerator & allied pollution control systems under RED category.

**Ref:**1.Existing Consent granted to existing unit vide no. Formate1.0/BO/CAC-CELL/EIC No KP-16306-14/23rd CAC/0001 dtd 01.01.2015 which is valid up to 31.12.2015.

2. Your application approved in CAC meeting held on 27.08.2015.

Your application:CE1506000118

Dated:15.05.2015

For: Consent to establish for installation of MEE, Incinerator & allied pollution control systems.

under Section 25 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 (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule II ,III & IV annexed to this order:

1. The consent is granted for a period from commissioning of the unit or Five years whichever is earlier.
2. The actual capital investment of the industry is Rs. 92.5 Crs. (As per undertaking submitted by industry) The total capital investment of the industry is Rs 437.33 crs + Rs 92.5 crs = Rs 529.83 crs.
3. The Consent is valid for installation for following:
  - i. Two nos of Multiple effect Evaporator of capacities 10,600 kg/hr and 20,000 kg/hr and Reverse Osmosis plant of 50KL/Hr.
  - ii. Additional incinerator of capacity 1200 kg/hr along with revamping of existing incinerator.
  - iii. Erection of chemical treatment/recovery systems together at common plant building such as a) wet air oxidation and chlorination, b) spent acid recovery, c) Potassium recovery, d) SO<sub>2</sub> recovery which at present exist at various location in the premises of the plant.
  - iv. Vapour Absorption Machine (VAM) of capacity 2 nos \* 600TR each to avoid /restrict use of CFCs.

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

There shall not be any increase in trade effluent and domestic effluent due to proposed installation.

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Incinerator	1 (Existing )	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. No.	Type Of Waste	Quantity	Treatment	Disposal
1	Boiler Ash *	55 MT/day	NA	Sale to Brick manufacturer

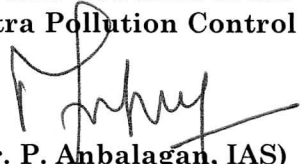
\*Ash shall be generated from existing two coal fired boilers which will run continuously to supply steam for operation of proposed systems on plot no D-1/2 & B-1/7 . These boilers are located on adjacent cogen plant plot F-1/1 for which separate consent to operate is valid till 31/12/2018. Boiler ash will be generated on this plot F-1/1.

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste: There shall not be any increase in hazardous wastes due to the proposed installation.

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

For and on behalf of the  
Maharashtra Pollution Control Board

  
(Dr. P. Anbalagan, IAS)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	125100	266096	13.05.2015	Canara Bank

Copy to:

1. Regional Officer -Kolhapur and Sub-Regional Officer-Chiplun, MPCB
2. They are directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website updation purposes.

**Schedule-I is not applicable.**

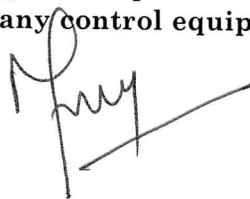
**Schedule-II**

**Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have proposed to install additional incinerator of capacity 1200kg/Hr. The proposed incinerator shall have common stack of the existing incinerator. There shall not be any change in the type of fuel and quantity as per the existing consent.
2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

<b>Incinerator Stack</b>			
			<b>Sampling duration in Minutes</b>
TPM	Not to exceed	50 mg/Nm <sup>3</sup>	30
SO <sub>2</sub>	Not to exceed	200 mg/Nm <sup>3</sup>	30
HCl	Not to exceed	50 mg/Nm <sup>3</sup>	30
CO	Not to exceed	100 mg/Nm <sup>3</sup>	30
TOC	Not to exceed	20 mg/Nm <sup>3</sup>	30
HF	Not to exceed	4 mg/Nm <sup>3</sup>	30
NO <sub>x</sub>	Not to exceed	400 mg/Nm <sup>3</sup>	30
Total Dioxins & Furans	Not to exceed	0.1 ug/TEQ Nm <sup>3</sup>	8 Hrs
Heavy metals Cd+Th	Not to exceed	0.05 mg/Nm <sup>3</sup> .	2 Hrs
Hg	Not to exceed	0.05 mg/Nm <sup>3</sup> .	2 Hrs
Sb+As+Pb+Cr+Co+Cu+Mn+Ni+V	Not to exceed	0.05 mg/Nm <sup>3</sup> .	2 Hrs

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



**Schedule-III is not applicable**

**Schedule-IV**

**General Conditions:**

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) 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.
- 4) 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.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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 and conditions of this consent.
- 6) 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.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 8) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
- 11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website([www.mpcb.gov.in](http://www.mpcb.gov.in)).
- 12) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 13) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

15) 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.

16) Conditions for D.G. Set

a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.

b) 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 meters from acoustic enclosure/room and then average.

c) 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.

d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.

e) 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

f) D.G. Set shall be operated only in case of power failure.

g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel

17) The industry should not cause any nuisance in surrounding area.

18) 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.

19) The applicant shall maintain good housekeeping.

20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end, with the Environment Statement.

21) 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 of solid waste.

22) The applicant shall not change or alter the 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 industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.

23) 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.

24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.

25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11-2009 as amended.

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