

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Consent order No: - Format 1.0/AST/RO Kolhapur/EIC No. KP-16392-14/O/CC-0088

Date- ~~12/2014~~

03/01/2015

To,
M/s Gharda Chemicals Limited,
Plot No. F-1/1, MIDC, Lote Parshuram,
Tal. Khed, Dist Ratnagiri,
Maharashtra -415722

Subject: Consent to Operate RED category.

- Ref: 1. Consent to Establish granted vide no. BO/AST/RO Kolhapur/EIC No. KP-14368 -13 /R/CC-1071 dtd 31.01.2014.
2. Consent to Renewal granted vide no. Format 1.0/AST/RO Kolhapur/EIC No.KP-14653-14/R/CC-1503 dtd 15.02.2014.
3. Minutes of CC meeting held on 12.12.2014

Your application- CO1411000235

Dated: 13.11.2014

For Consent to Operate and amalgamation 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 I, II, III & IV annexed to this order:

1. The consent is granted for a period upto 31.12.2018
2. The actual capital investment of the industry is Rs. 64.70 Crs. (As per C. A. Certificate submitted by industry).
3. The Consent is valid for the manufacture of -

Sr. No.	Products	Production Quantity in MT/M.
1.	Captive Co- generation power plant	6.4 MW (Existing 4 MW + 2.4 MW additional from Waste heat recovery)

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

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	125	As per Schedule -I	CETP
2.	Domestic effluent	2	As per Schedule -I	CETP

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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.	Boiler (40TPH)	Common stack	As per Schedule -II
2.	Boiler (46 TPH) standby		As per Schedule -II
3.	DG set (1250 KVA)	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Boiler Ash	825 MT/ month	Nil	Sale to Brick/cement manufacturers & contractor for road construction.

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

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

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.
10. This consent is issued pursuant to the decision of the Consent Committee held on 12.12.2014.
11. This consent is issued with reference to the powers delegated as per the Environment Department Office Order dated: 26.12.2014

For and on behalf of the
Maharashtra Pollution Control Board

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(D. T. Devale)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	3,90,100/-	970845	09.11.2013	Canara Bank
2	2,50,100/-	920739	30.10.2014	Canara Bank

Copy to:

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

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Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 125 CMD.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards as per EP Act, 1986	Standards prescribed by Board
a) Condenser cooling water			
1	PH		6.5 to 8.5
2	Temperature		5 °C higher than the intake water temp.
3	Free available chlorine		0.5 mg/lit
b) Boiler blow down: The industry shall recover 100 CMD from boiler blow down by use of Reverse Osmosis & to recycle it.			
1	Suspended solids		100 mg/lit
2	Oil & Grease		20 mg/lit
3	Copper (Total)		1 mg/lit
4	Iron (total)		1 mg/lit
c) Cooling tower blow down			
1	Free available chlorine		0.5 mg/lit
2	zinc		1 mg/lit
3	Chromium (Total)		0.2 mg/lit
4	Phosphate		5 mg/lit
d) Ash pond effluent			
1	pH		5.5 to 9.0
2	Suspended Solids		100 mg/lit
3	Oil & Grease		20 mg/lit

C) The daily quantity of trade effluent is 125 CMD, out of which 100 CMD is recycled through RO system and remaining shall be disposed
 i) To the CETP -25 CMD (It shall be treated in the ETP at D-1/2 plot).
 ii) Sewage effluent to soak pit - 2 CMD

2) A] As per your consent application, you have provided septic tank with the design capacity of 2 CMD.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

- | | | | | |
|-----|-------------------|---------------|-----|-------|
| (1) | Suspended Solids. | Not to exceed | 100 | mg/l. |
| (2) | BOD 3 days 27°C. | Not to exceed | 100 | mg/l. |

C] The treated sewage shall be soaked in a soak pit, which shall be got cleaned periodically.

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- 3] The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 4] The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5] The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	1620
2.	Domestic purpose	3
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	5
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	
5	Gardening	-

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

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Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boiler 40 TPH	ESP	Common stack 65 meters height	100 % Imported coal OR a Suitable combination of wood chips/ biomass briquettes & Indian/Imported coal (Avg. Sulphur content shall not exceed 0.5%)	152 TPD (Coal on dry basis)	0.5	1520
2	Boiler 46 TPH stand by purpose	ESP with dust collector			152 TPD	0.5	1520
3	DG set (1250 KVA)	Acoustic enclosure	7.1	HSD	275 Kg/Hr	1%	5.5 kg/Hr

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.
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:

A. From Boiler stack		
Particulate matter	Not to exceed	150 mg/Nm ³ .
SO ₂	Not to exceed	1.52 Tons/day

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).

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Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
01	Existing BG	5 Lakhs	O & M of Pollution Control Systems	31.12.2018	30.04.2019

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Maharashtra Pollution Control Board

Schedule-IV

General Conditions:

- 1) Both the units of M/s. Gharda Chemicals Ltd., located at Plot No. D-1/2, B-1/7, & Plot No. F-1/1, MIDC Lote Parshuram are jointly & severally responsible for Operation & Maintenance of ETP so as to achieve standards laid down under the provisions of EP Rules, 1986. In case of failure of ETP they will be liable for necessary legal action.
- 2) 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.
- 3) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 4) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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
- 10) /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.
- 11) 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 30th June of every year.
- 12) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 13) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 14) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent (in case of Renewal of consent).
- 15) 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).

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- 16) 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.
- 17) 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.
- 18) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 19) 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.
- 20) The industry should not cause any nuisance in surrounding area.
- 21) 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.
- 22) The applicant shall maintain good housekeeping.
- 23) 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 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 24) 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.
- 25) 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.
- 26) 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.
- 27) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 28) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 29) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 30) The industry shall comply with the notification issued by MoEF for utilization of fly ash from coal or lignite based thermal power plants dated 14th September, 1999 and as amended on 3rd November, 2009.
- 31) Industry shall provide dry fly ash handling & collection system and utilize the fly ash as per the fly ash notification of the Govt. of India
- 32) Transportation of coal & fly ash shall be by closed system, Conveyor system wherever possible.

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