

# MAHARASHTRA POLLUTION CONTROL BOARD

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RED/SSI

Date: 02/04/2014

Consent No. BO/AST/RO Kalyan/EIC NO KN-3485-13/R/CC- 3243

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 Waste (Management, Handling & Transboundary Movement) Rules 2008 and Amendment Rules, CONSENT is hereby granted to

M/s. Alchemi Dye Chem Pvt. Ltd.,  
Plot No. D-55, MIDC Phase-II,  
Dombivli, Dist. Thane.

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: 31/03/2015.

2. The Consent is valid for the manufacture of -

Sr. No.	Product	Maximum Quantity
1.	Ranolazine	200 Kg/m.
2.	Phenyl Pherine Hydrochloride	400 Kg/m.

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 6.0 m<sup>3</sup>.  
(ii) The daily quantity of sewage effluent from the factory shall not exceed 1.6 m<sup>3</sup>.

(iii) Trade Effluent:

Treatment: The applicant shall operate 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 :

1)	pH	Between	6.5 to 8.5
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3 days 27 deg.0	Not to exceed	100 mg/l.
4)	COD	Not to exceed	250 mg/l.
5)	Oil & Grease	Not to exceed	10 mg/l.
6)	Total Dissolved Solids	Not to exceed	2100 mg/l.
7)	Sulphates	Not to exceed	1000 mg/l.
8)	Chlorides	Not to exceed	600 mg/l.

- (iv) **Trade Effluent Disposal:** The trade effluent after primary treatment shall be transferred to M/s. Auromic Chemicals (Sister Unit) located at D-60, MIDC Phase-II, Dombivli, adjacent to the unit through closed pipeline, for further treatment and disposal to CETP through the sewerage system provided by MIDC. M/s. Alchemi Dye Chem Pvt Ltd, D-55, MIDC Ph-II, Dombivli & M/s. Auromic Chemicals, D-60, Ph-II, MIDC Dombivli are jointly & severally responsible for O & M of ETP so as to achieve



standards laid down under the provision of EP Act, 1986. In case of failure of ETP they will be liable for necessary legal action.

(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 soaked in a soak pit, which shall be got cleaned periodically. Overflow if any shall be used on land for gardening purpose within own premises.

(vii) **Non-Hazardous Solid Wastes:**

--NA--

(viii) **Other conditions:** The industry shall monitor effluent quality regularly. 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:

Domestic	2.00 CMD
Industrial processing generating Bio-Degradable waste water	11.00 CMD
Industrial processing generating Non-Bio-Degradable waste water	-- CMD
Industrial Boiler/Cooling etc.	2.0 CMD
Any other and 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 which is also available on MPCB website at <http://mpcb.mah.nic.in/images/cessform1.pdf>.

#### 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. Scrubber of adequate capacity shall be provided to all sources of gaseous emissions and operate the same to limit the process emissions

##### Conditions for D.G. Set:

- Noise from D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 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 provide. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and the average.
- 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.
- Industry should make efforts to bring down noise level due to D.G. set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- Installation of D.G. set must be strictly in compliance with recommendations of D.G. set manufacturer.



6. A proper routine and preventive maintenance procedure for D.G. set should be set and followed in consultation with the D.G. manufacturer which would help to prevent noise levels of D.G. set from deteriorating with use.
7. D.G. set shall be operated only in case of power failure.
8. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. set.

**Standards for Emissions of Air Pollutants:**

(i)	SPM/TPM	Not to exceed	150	mg/Nm <sup>3</sup>
(ii)	SO <sub>2</sub>	Not to exceed	13.5	Kg/day

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

Sr. No.	Type of Fuel	Quantity
1	Diesel	300 t/Month

\*Heat from M/s. Auromic Chemicals , D-60, is used hence no Boiler.

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

Sr. No.	Stack Attached to	APCS	Height in meters
1	Scrubber	Water Scrubber	12
2	DG Set (250 KVA)	Acoustic Enclosure	3.0*

(\* above the height of building where the DG set is installed)

- (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.

**6. CONDITIONS UNDER HW (M,H &TM) RULES, 2008 :**

- (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.	28.2	Spent Carbon Spent Mother Liquor	15 Kg/m. 5000 Lit/m.	CHWTSDF Sale to authorized party
2.	34.3	ETP Sludge	3.6 Mt/Yr.	CHWTSDF

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:

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b. 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.
  - c. The applicant shall bring minimum 33% of the available open land under green coverage/plantation. The applicant shall submit a yearly statement by 30<sup>th</sup> September every year 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.
  - d. 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.
  - e. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the 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 and conditions of this consent regarding pollution levels.
  - f. 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 equipment provided for without previous written permission of the Board.
  - g. 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.
  - h. The applicant shall make an application for renewal of the consent at least 60 days before the date of expiry to the consent.
  - i. The firm shall submit to this office, the 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
  - j. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
  - k. 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.
  - l. 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 down stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
  - m. Neither storm water nor discharge from other premises shall be allowed to mix with effluents from the factory.
  - n. 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.
9. If CETP dose not work for achieving standards & problem of pollution occurs, industry shall voluntarily stop the production or total effluent shall be reused.



10. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
11. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
12. This consent is issued by forfeiting existing Bank Guarantee of Rs. 25,000/- and obtaining Fresh Bank Guarantee of Rs. 50,000/- towards O & M of Pollution Control Systems, which shall be valid for period up to 31.07.2018. Bank Guarantee shall be submitted within fifteen days to Regional Officer Kalyan.
13. The capital investment for expansion is Rs 2.86 Crore.

*Mirashe*  
1/4/14

(P. K. Mirashe)  
Assistant Secretary (Tech)

To,  
M/s. Alchemi Dye Chem Pvt. Ltd.,  
Plot No. D-55, MIDC Phase-II,  
Dombivli, Dist. Thane.

Copy to: 1] Regional Officer, MPCB Kalyan- **They are directed to Forfeit the existing Bank Guarantee of Rs. 25,000/- and obtain fresh Bank Guarantee of Rs. 50,000/- towards O & M of PCS.**

2] Sub Regional Officer, MPCB, Kalyan-I:- They are to ensure the compliance of consent conditions.

3) Chief Accounts Officer, MPCB, Mumbai 4] Cess Branch, MPCB. 5] Master file.

Received Consent fee of -

Amount (Rs.)	D.D.No.	Date	Drawn on
75000/-	0888861	19/03/2013	Axis Bank

\*Remaining fees of Rs. 45,000/- with the Board will be considered during the next renewal.