

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781  
/4037124/4035273  
Fax : 24044532/4024068 /4023516  
Email : enquiry@mpcb.gov.in  
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga  
Scheme Road No. 8, Opp. Cine Planet Cinema, Near  
Sion Circle, Sion (E),  
Mumbai - 400 022

Red/M.S.I

Date: 4<sup>th</sup> Oct, 2013

Consent No: B.O/AST/EIC.No-NG-9040-13/R/CC-8314

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 (M&H) Rules respectively].  
CONSENT is hereby granted to

Cytec India Specialty Chemicals  
& Materials Pvt Ltd  
Plot No- G-54, Hingna, Butibori  
Nagpur-441122  
Maharashtra, India

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) 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: 31/05/2016.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Oxime(51.5%)	305	MT/M
2	Xanthate	450	MT/M
3	Polyacrylamide	90	MT/M
4	Surfactants	150	MT/M
5	Phthalate	300	MT/M
By PRODUCTS-			
1	Magnesium Sulphate	140.38	MT/M
2	Sodium Sulphate	42.20	MT/M
3	Thinner	49.5	MT/M
4	Formalin (24 %)	22.66	MT/M
	Ammonium Hydroxide	11.3	MT/M

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 5.9M<sup>3</sup>.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 3.6M<sup>3</sup>.

**(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:

S.No	Parameters		Limits
1	pH	Between	5.5 to 9.0
2	BOD 3days 27 deg.C	Not to exceed	30 mg/l
3	COD	Not to exceed	250 mg/l
4	Oil & Grease	Not to exceed	10 mg/l
5	Suspended Solids	Not to exceed	100 mg/l
6	Total Dissolved Solids	Not to exceed	2100 mg/l
7	Sulphate	Not to exceed	1000 mg/l
8	Chlorides	Not to exceed	600 mg/l
9	Total Ammonical Nitrogen	Not to exceed	50 mg/l
10	Phenolic Compound	Not to exceed	01 mg/l
11	Iron	Not to exceed	03 mg/l
12	Zinc	Not to exceed	05 mg/l
13	Sulphide	Not to exceed	02 mg/l
14	Chromium Hexavalent	Not to exceed	0.1 mg/l
15	Cyanide	Not to exceed	0.1 mg/l
16	Bio-assay test	100 % survival of fish in effluent for 96 hours	

(iv) **Trade Effluent Disposal:** The industrial effluent shall be recycled to the maximum extent if excess any shall be sent to CETP Butibori for further treatment and disposal. There shall not be any discharge outside the factory premises.

(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 soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

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

Sr. No.	Type Waste	Quantity	UOM	Disposal
1	Fly ash	0.75	MT/day	sale to brick manufacturers.

(viii) **Other Conditions:** Industry should monitor effluent 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  | ... | 4.5   | CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable             | ... | 20.7  | CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 0.00  | CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed       | ... | 130.5 | CMD |
| (v) Gardening/Tree plantation                                       | ... | 20.0  | 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 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:

Industry shall provide dust collector/Scrubber of sufficient capacity to control the emissions.

b. Standards for Stack Emissions:

- |  |                    |                    |
|--|--------------------|--------------------|
| (i) SPM/TPM                            | Not to exceed 150  | mg/Nm <sup>3</sup> |
| (ii) SO <sub>2</sub> (BOILER)          | Not to exceed 22.5 | kg/day             |
| (iii) SO <sub>2</sub> /NO <sub>x</sub> | Not to exceed 50   | ppm                |
| (iv) Acid Mist                         | Not to exceed 35   | mg/Nm <sup>3</sup> |
| (v) Ammonia                            | Not to exceed 50   | ppm                |

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	F.O	660	ltrs/day
2	H.S.D	1500	Ltrs/day
3	Coal	12	MT/day

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Thermic Fluid Heater	30.00
2	Thermic Fluid Heater	22.0
3	D.G.Set (500 KVA)	4.5 mtrs (above the roof in which it is installed)

- (ii) 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.
- (iii) 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	Type Of Waste	Quantity	UOM	Disposal
1	34.4 Chemical sludge, oil and grease skimming residues	230	Kg/M	CHWTSDf Butibori for land filling.
2	33.3 Discarded containers / barrels / liners	1000	kg /M	CHWTSDf Butibori

- (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 (M&H) Rules, 2003.
    - 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.
    - c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.

**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 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 pre 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. If CETP does not work for achieving standards & problem of pollution occurs, industry shall voluntarily stop the production or total effluent shall be reused.**

**9. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.**

10. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
11. This Consent is issued pursuant to the decision of CC meeting of 2013 held on 21/09/2013 of the Board.
12. As per the decision of CC dtd-21/09/2013, only plain renewal has been consider due to non submission of no increase in pollution load certificate from reputed institute towards proposed change in product mix.
13. Industry shall submit Bank Guarantee of 5.0 Lakhs valid upto consent period to Regional officer, MPCB, Nagpur within 15 days towards Operation and maintenance of pollution control system.
14. The Capital investment of the industry is Rs. 33.37 Cr.

(Rajeev Kumar Mital, IAS)  
Member Secretary

To,  
Cytec India Specialty Chemicals  
& Materials Pvt Ltd  
Plot No- G-54, Hingna, Butibori  
Nagpur-441122  
Maharashtra, India.

Copy for information to:-

1. Regional Officer MPCB, Nagpur
2. Sub-Regional Officer MPCB, Nagpur-II
3. Chief Account Officer MPCB Mumbai

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	225100	080620	25/03/2013	Citi Bank
2	25000	003074	07/05/2013	ICICI Bank