

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

Consent order No: -Format 1.0/BO/AS(T)/NK-21124-16/E/GEN- 06230

Date- 11/05/2016

To,
M/s Benzo Chem Industries Pvt. Ltd.,
Plot No. E-13, 14, 15, MIDC Jalgaon,
Tal. & Dist. Jalgaon - 425 003.

Subject: Grant of Consent to Establish for proposed expansion under Red/SSI category.

Ref.: 1. Earlier Consent to Operate granted vide Consent no. MPCB/14/54/232 dtd. 09/01/2015.

Your application No. CE1603000519

Dated: 04/04/2016

For: Grant of Consent to Establish (160428FT0150) 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 /renewal 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 commissioning of the expansion project or upto 5 years i.e. 30/04/2021 whichever is earlier.
2. The capital investment of the industry is Rs. 9.72 Crs. (Existing-Rs. 5.72 Crs + Proposed expansion- Rs. 4.0 Crs. as per C.A. Certificate submitted by industry).
3. The Consent is valid for the manufacture of -

| Sr. No. | Product Name | Maximum Quantity | UOM |
|---------|--|------------------|------|
| 1 | PARA CHLORO META CRESOL (PCMC) | 60 | MT/A |
| 2 | 5-CHLORO-2-HYDROXY BENZOPHENONE | 4 | MT/A |
| 3 | 2-DIMETHYLAMINO-2-PHENYL-1-BUTANOL | 6 | MT/A |
| 4 | SODIUM SALT OF PARA CHLORO META CRESOL | 1 | MT/A |
| 5 | 4-METHOXY PHENYL ACETONE | 100 | MT/A |
| 6 | PARA-HYDROXY PHENYL ACETIC ACID | 2 | MT/A |
| 7 | 4-METHYL BENZYL CHLORIDE | 5 | MT/A |
| 8 | META HYDROXY PHENYL ACETIC ACID | 1 | MT/A |
| 9 | 2-PHENYL BUTYRIC ACID | 3 | MT/A |
| 10 | 2-METHYLN-1-NAPHTHALENEMETHYL AMINE HYDROCHLORIDE)N MAN: HCl | 10 | MT/A |
| 11 | ORTHO PHTHALALDEHYDE (OPA) | 2 | MT/A |
| 12 | 2:4 DI CHLRO META XYLENOL | 10 | MT/A |
| 13 | 4-CHLORO THYMOL | 1 | MT/A |
| 14 | 1-CHLORO NAPHTHALENE | 2 | MT/A |
| 15 | 2:4 DIN CHLORO BENZYL ALCOHOL | 16 | MT/A |
| 16 | 1-NAPHTHALDEHYDE | 4 | MT/A |
| 17 | APLHA BROMO 2-CHLRO PHENYL ACETIC ACID METHYL ESTER | 150 | MT/A |
| 18 | 1-CHLORO METHYL NAPHTHALENE | 150 | MT/A |

| | | | |
|----|--|----|------|
| 19 | 2-CHLORO-4:6-DIMETHOXY 1:3:5 TRIAZINE | 5 | MT/A |
| 20 | 1-ACETYLNAPHTHALENE | 10 | MT/A |
| 21 | 2-AMINO-2-PHENYL BUTYRIC ACID | 20 | MT/A |
| 22 | HYDRO CHLORIC ACID | 77 | MT/A |
| 23 | CHLORINATED CRESOL/CRESYLIC ACID | 12 | MT/A |
| 24 | SODIUM BISULFITE (NaHSO ₃) | 30 | MT/A |

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 | 8.7 | As per Schedule -I | To achieve Zero Liquid discharge through evaporation in MEE |
| 2. | Domestic effluent | 4.0 | As per Schedule -I | Overflow from Soak pit shall be applied on land for gardening purpose |

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 | 1 | As per Schedule -II |
| 2 | Process Vent | 1 | As per Schedule -II |

6. Conditions under Hazardous Waste (M, H & T M) Rules, 2008 for treatment and disposal of hazardous waste:

1) The Industry shall handle hazardous wastes as specified below:

| Sr. No. | Type Of Waste | Category | Quantity | UOM | Treatment | Disposal |
|---------|---|----------|----------|------|-----------|----------|
| 1 | Residues & wastes | 28.1 | 0.05 | MT/D | -- | CHWTSDF |
| 2 | Spent Carbon | 35.3 | 1.60 | MT/D | -- | CHWTSDF |
| 3 | Distillation residues from contaminated organic solvent | 36.4 | 1.50 | MT/D | -- | CHWTSDF |

- The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- The applicant shall obtain Consent to Operate from the Board prior to commencement of commercial production.
- The applicant shall comply with the conditions of the Environmental Clearance granted by SEIAA, GoM vide letter No. SEAC-2013/CR-265/TC-2 dtd. 12/05/2015.

For and on behalf of the
Maharashtra Pollution Control Board

(P.K. Mirashe)

Assistant Secretary (Tech.)

Received Consent fee of -

| Sr. No. | Amount(Rs.) | DD. No. | Date | Drawn On |
|---------|--------------|------------|------------|--------------------------|
| 1 | Rs. 15,000/- | 1603211001 | 21/03/2016 | Kotak Mahindra Bank Ltd. |

Copy to:

1. Regional Officer (Nashik)/ Sub-Regional Officer (Jalgaon-I), M.P.C. Board.
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk - for record & website uploading purpose.

[Handwritten signature]

Maharashtra Pollution Control Board

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to treat 8.7 CMD of industrial effluent in existing Effluent Treatment Plant (ETP) of designed capacity 30.0 CMD consisting of primary, secondary, tertiary level treatment followed by MEE.
- 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 prescribed by Board (If any) |
|---------|---------------------------------|--|
| | I. Compulsory Parameters | Limiting Concentration in mg/l, except for pH |
| 01 | pH | 6.5 to 8.5 |
| 02 | Oil & Grease | 10 mg/l. |
| 03 | BOD (3 days 27oC) | 100 mg/l. |
| 04 | Total Dissolved Solids | 2100 mg/l. |
| | II Additional Parameters | |
| 05 | Suspended Solids | 100 mg/l. |
| 06 | COD | 250 mg/l. |
| 07 | Chlorides | 600 mg/l. |
| 08 | Sulphates | 1000 mg/l. |

- C] The treated effluent shall be evaporated through MEE so as to achieve Zero Liquid discharge. There shall not be any discharge outside the factory's premise.
- 2) A] As per your consent application, you have proposed to treat 4.0 CMD of sewage in existing Effluent Treatment Plant (ETP).
- B] In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at Sr. No. (1) (B) & (C) of schedule-I shall be applicable.
- 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 and/ or 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 | 40.0 |
| 2. | Domestic purpose | 5.0 |
| 3. | Processing whereby water gets polluted & pollutants are easily biodegradable | 7.0 |
| 4. | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | -- |
| 5. | Others : i) 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/ Environmental Clearance/ CREP guidelines.

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. 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.
2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

| | | |
|--------------------|---------------|--------------------------|
| Particulate matter | Not to exceed | 150 mg/Nm ³ . |
| Acid Mist/ HCl | Not to exceed | 35 mg/Nm ³ . |

3. The gaseous emissions & particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
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

Details of Bank Guarantee

| Sr. No | BG Imposed for C to O/ Directions | Amt. of BG Imposed | Submission Period | Purpose of BG | Compliance period | Validity Date |
|--------|-----------------------------------|--------------------|-------------------|--|-------------------|-----------------|
| 1 | C to E | Rs. 1.0 Lakh | Within 15 days | Towards operation & maintenance of existing pollution control systems & compliance of Consent conditions | Upto 30/04/2021 | Upto 31/08/2021 |

The applicant shall furnish an irrevocable bank guarantee of Rs. 1.0 Lakh with the validity upto 30/04/2021 in the Regional Office, Nashik within 15 days from the date of issue of this Consent towards operation & maintenance of existing pollution control systems and compliance of the Consent conditions.



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) 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.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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 Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Expansion Activity.
- 12) 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).
- 13) 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.
- 14) 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.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) 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.
- 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 yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
 - 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 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).
 - 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
 - 27) The industry shall recycle/reprocess/reuse/recover hazardous waste as per the provision contained in the HW(M, H & 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 cannot 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.

