

## MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No: - format 1.0/BO/AST/EIC.No-AM-6693-15/Amravati/R/CC-05404

Date- 26/04/2016

To,  
Benzochem Industries P Ltd,  
Plot No-B-26/27 & B-14/15, MIDC Dasarkhed,  
Tq-Malkapur, Dist-Buldhana,  
Maharashtra, India.

Subject: Consent to Operate RED category.

Ref : 1. Earlier Consent granted vide No:-BO/PAMS/R)-Amravati/EIC  
NO-AM-4078/R/CC-13/01281, Dtd-12/02/2013.

2. Your application for consent Dated: 13/07/2015.

For: 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 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 from:-01/10/2015 to 30/09/2021.
2. The capital investment of the industry is Rs.16.22 Crs. (As per C.A. Certificate submitted by industry).
3. The Consent is valid for the manufacture of -

Sr. No.	Product/By-Product Name	Maximum Quantity in MT/M
1	Para Chloro Benzyl Cyanide/ Para Chloro Benzyl Chloride/ Para Fluro Benzaldehyde/ Para Chloro Benzaldehyde/ Para Chloro Phenyl Acetic Acid / Para Chloro Methyl Ether/ Para Chloro Benzo Tri Chloride	58 MT/M
OR		
2	Ortho Chloro Cyanide / Ortho Chloro Benzyl Chloride/ Ortho Chloro Benzaldehyde/ Ortho Chloro Phenyl Acetic Acid /2:4:6 Tri Methyl Phenyl Acetic Acid/ 2:4:6 Tri Methyl Phenyl Acetyl Chloride/Methyl 2-Chloro Phenyl Acetate	58 MT/M
OR		
3	2:4 Di Chloro Tolune/2:4 Di Chloro Benzyl Chloride/2:4 Di Chloro Benzyl Cyanide/2:4 DCPAA/2:4 DCPACL/2:4 Di Chloro Benzaldehyde/ Meta Chloro Benzyl Cyanide/ Meta Chloro Benzyl Chloride/ Meta Chloro Benzaldehyde/ Meta Chloro Phenyl Acetic Acid	58 MT/M
OR		
4	2:5 Di Methyl Phenyl Acetic Acid/2:5 Di Methyl Phenyl Acetyl Chloride/ Di Chloro Ortho Xylene/Tetra Chloro Ortho Xylene/Ortho Methyl Benzyl Chloride/ Ortho Methyl Benzyl Cyanide/ Ortho Methyl Phenyl Acetic Acid/2 Chloro 4,6 Di Methoxy 1,3,5 Triazine/ Benzaldehyde 2, 4-Disulphonic Acid Di Sodium Salt	58 MT/M
<b>TOTAL</b>		<b>232 MT/M</b>

BY-PRODUCTS:-		
1	Hydrochloric Acid	30 MT/M
2	Sodium Chloride	9.4 MT/M

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	12.85 (Process=3.85 + Boiler Blow down=9.00)	As per Schedule -I	NIL (100% recycled)
2.	Domestic effluent	6.00	As per Schedule -I	On land for garden/plantation

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 (Coal/Agro waste) (6 TPH)	1 Common Stack	As per Schedule -II
2.	Thermic Fluid Heater (6 Lakh KCal/Hr)		
3.	Process stack for HCl & Cl	1	As per Schedule -II
4.	Process stack for NH <sub>3</sub>	1	As per Schedule -II

6. 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
1	Distillation residue	20.3	0.50	MT/M	---	CHWTSDF
2	Chemical Sludge from waste water treatment	34.3	0.50	Kg/D	---	CHWTSDF

7. Conditions about Non Hazardous Waste:

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Coal Ash	30.0	MTMD	---	Sale to Brick manufacturers

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. The renewal of consent is granted by amalgamating existing consent and consent to first operate for installation of new boiler along with addition of adjacent plot No. i.e B-14/15, change in water consumption due replacement of existing 3 TPH boiler with 6 TPH boiler and thereby change in trade effluent quantity.

11. The applicant shall install online continuous monitoring system to monitor effluent/air emission parameters and upload the data on MPCB & CPCB server as per the directives from CPCB for highly polluting industries. Industry shall follow the guidelines issued by CPCB in this regard.
12. This consent is issued as per the delegation of power to HOD's vide Board Office Order No. 31/2013 dtd.1/03/2013.

For and on behalf of the  
Maharashtra Pollution Control Board

*Mirashe*  
25/11/16  
(P.K.Mirashe)

Assistance Secretary (Technical)

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1,50,100/-	001861	02/07/2015	IDBI
2	25,000/-	001889	24/07/2015	IDBI
3	1,00,000/-	001947	14/10/2015	IDBI
4	20,835/-	001988	17/12/2015	IDBI

\*The balance if any with the Board will be considered at the time of next renewal of consent

Copy to:

1. Regional Officer -Amravati and Sub-Regional Officer-Akola 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.

### 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 15 CMD consisting of collection tank/oil separation tank/neutralization tank/primary clarifier/aeration tank/secondary clarifier/Filtration i.e Sand filter & Charcoal filter and triple effect evaporation system.

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
	<b>I. Compulsory Parameters</b>	<b>Limiting Concentration in mg/l, except for pH</b>
01	pH	5.5 to 9.0
02	Suspended Solids	100 mg/l.
03	BOD 3 days 27 degree C	30 mg/l
04	COD	250 mg/l.
05	Oil & Grease	10 mg/l.
06	Total Dissolved Solids	2100 mg/l.
07	Sulphate	1000 mg/l.
08	Chloride	600 mg/l
08	%Sodium	60% mg/l.
09	Free Ammonia	5.0 mg/l
09	TAN	50.0 mg/l.
10	Cyanide	0.1 mg/l

(Above parameters shall be applicable in case sampling is done during accidental/incidental discharge on the ground/outside factory premises)

C) The treated effluent shall be reused /recycled 100% for cooling. There shall be no discharge on land OR outside factory premises.

A] 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 27oC.  | Not to exceed | 100 | mg/l. |


B] The treated sewage shall be soaked in a soak pit, which shall be got cleaned periodically. The treated sewage shall be disposed on land for gardening/irrigation.

2) 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 extension or addition thereto.

3) 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.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	120.0
2.	Domestic purpose	8.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	5.0 (Process=4 + Scrubber =1)
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Gardening/irrigation/plantation	10.0

- 5) 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.



Maharashtra Pollution Control Board

### Schedule-II

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

1. As per your application, you have install/ provided the Air pollution control (APC) system and 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 <sub>2</sub> Kg/Day
1	Boiler (6 TPH)	Ventury type water scrubber	30.50	Coal/ Agro waste	846 Kg/Hr (20.30 MT/D)	0.5	203
2	Thermic Fluid heater (6 Lakh Kcal/Hr)	Multi cyclone separator		Coal/ Agro waste	150 Kg/Hr (3.60 MT/D)	0.5	36
3	Chlorination (4Nos)	Scrubber for HCl & Cl	---	---	---	---	---
4	Hydrolysis	Scrubber for NH <sub>3</sub>	---	---	---	---	---

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:


Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup> .
Cl <sub>2</sub>	Not to exceed	3.0 ppm
HCl(process)	Not to exceed	35.0 mg/Nm <sup>3</sup>
NH <sub>3</sub> (process)	Not to exceed	50 ppm

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement 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 Guarantees**

Sr. No.	Consent (C to /O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	1.00	15 days	Against Operation & Maintenance of pollution control systems & compliance of consent conditions	30/09/2021	31/01/2022

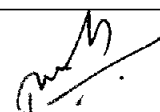


Maharashtra Pollution Control Board

#### 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
- 9) /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.
- 10) 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 30<sup>th</sup> June of every year.
- 11) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 12) 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).
- 13) 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).
- 14) 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)).
- 15) 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.
- 16) 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.
- 17) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.





- 18) 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.
- 19) The industry should not cause any nuisance in surrounding area.
- 20) 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.
- 21) The applicant shall maintain good housekeeping.
- 22) 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.
- 23) 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.
- 24) 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.
- 25) 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.
- 26) 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).
- 27) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 28) 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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