

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)/RD-3117-15/R/CC-0297
Date- 21/03/2017

To,
M/s BEC Chemicals Pvt. Ltd.,
Plot No. 24, MIDC Dhatav,
Tal. Roha, Dist. Raigad, Pin - 402 116.

Subject: Grant of renewal of Consent to Operate under RED/LSI category.

- Ref.: 1. Earlier Consent granted vide no. Format 1.0/BO/AST/EIC No. RD-2867-14/
Raigad/R/CC-5888 dtd. 18/05/2015 and amendment vide letter No. BO/AS(T)/
Amend/GEN-2586 dtd. 02/06/2015.
2. Minutes of Consent Committee meeting held on 03/03/2017.

Your application No. CO1507000101
Dated: 22/06/2015

For: Grant of Consent to Operate (150622FT0365) 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 under Rule 6 of the Hazardous & Other Wastes (M & T M) Rules 2016 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 to Operate is granted for a period upto 31/10/2021.
2. The capital investment of the industry is Rs. 31.16 Cr (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	Ketoprofen and its salts (Like Ketoprofen Lysinate, Ketoprofen Ethyl Ester, Dex- Ketoprofen, Dex- Ketoprofen Tromatomol)	100 MT/A
2	Ketonitrile	60 MT/A
3	5-Amino Salicylic Acid (Meslamine or Mesalazine)	220 MT/A
By-products		
4	Ammonium Chloride Solution (30 to 40 %)	660 MT/A
5	Hydro Chloric Acid Solution (20 to 30 %)	180 MT/A
6	Sodium Sulphate Solution (15 to 25 %)	250 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	50	As per Schedule -I	CETP
2.	Domestic effluent	8	As per Schedule -I	CETP

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/ Thermic Fluid Heater	2	As per Schedule -II
2	Process Vents	3	As per Schedule -II
3	DG Set	1	As per Schedule -II

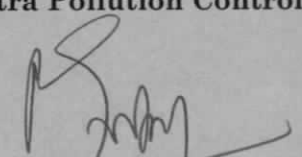
6. Conditions under Hazardous & Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste:

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

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treat-ment	Disposal
1	Distillation residue	20.3	3.0	MT/A	-	CHWTSDF
2	Spent Carbon	28.3	111.4	MT/A	-	CHWTSDF
3	Spent Organic Solvents	28.5	105.0	MT/A	-	Sale to Auth. recycler/ re-processor or at CHWTSDF
4	Discarded containers/ Barrels/ Liners	33.1	2,400.0	Nos/A	-	Sale to Auth. recycler/ re-processor
5	ETP sludge	35.3	168.0	MT/A	-	CHWTSDF
6	Filter and filter material which have organic liquid	36.2	1.0	MT/A	-	CHWTSDF

7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. The applicant shall not carry out any excess production or produce new products without consent of the Board and without an Environment Clearance wherever it requires.
10. The applicant shall operate and maintain existing ETP effectively and remove all the bypasses, whereby the mode of disposal prescribed in the consent order is not followed.
11. The applicant shall not discharge any effluent in any other source other than the CETP sewerage drain for further treatment and disposal.
12. The applicant shall make provision for operation & maintenance of flow meter and online pH meter/separate energy meter to pollution control devices.
13. The applicant shall properly collect, transport & regularly dispose off the hazardous waste to CHWTSDF, in compliance of the Hazardous & Other Wastes (Management & Transboundry Movement) Rules, 2016 and keep proper manifest thereof.
14. The applicant shall provide lock & key arrangement for treated industrial effluent.
15. This Consent is issued pursuant to the decision of Consent Committee meeting held on 03/03/2017.

For and on behalf of the
Maharashtra Pollution Control Board

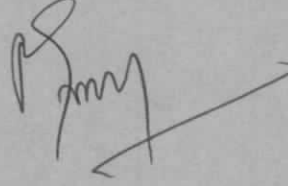

(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	Rs. 75,100/-	102751	17/06/2015	Union Bank of India
2	Rs. 3,00,000/-	090006	12/01/2017	Union Bank of India

Copy to:

1. Regional Officer(Raigad)/ Sub-Regional Officer (Raigad-II), M.P.C. Board.
- They are directed to ensure the compliance of the consent conditions.
2. Sub-Regional Officer (Raigad-II), M.P.C. Board, Navi-Mumbai.
3. Chief Accounts Officer, MPCB, Mumbai.



Maharashtra Pollution Control Board

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided Effluent Treatment Plant (ETP) of Capacity 100 CMD consisting of primary, secondary & tertiary treatment for the treatment of 50 CMD of industrial effluent.

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	5.5 to 9.0
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	Total 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 recycled/ reused upto maximum extent into process and cooling tower and remaining shall be discharged into CETP for further treatment and disposal. In no case, effluent shall find its way for outside factory premises.

2) A] As per your consent application, you have provided septic tank followed by soak pit for the treatment of 8.0 CMD of sewage.

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 27oC.	Not to exceed	100	mg/l.

C] The treated sewage shall be utilized/ applied on land for gardening within premise upto maximum extent and remaining shall be discharged into CETP for further treatment and disposal.

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.

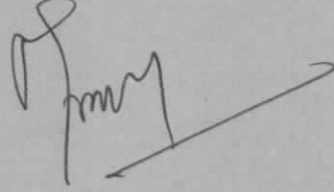
4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

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	30.0
2.	Domestic purpose	14.0

3.	Processing whereby water gets polluted & pollutants are easily biodegradable	116.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Others	---
	i) Gardening	10.0

- 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.



Maharashtra Pollution Control Board

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

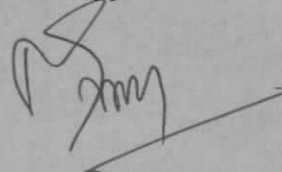
1. As per your application, you have provided the Air pollution control (APC) system, erected following stack (s) and observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Qty. & UoM	S %	SO ₂ Kg/Day
1	Boiler	--	21	FO	1.5 MT/D	--	135
2	Thermic Fluid Heater	--	10				
3	H ₂ SO ₄ addition reactor	Alkaline Scrubber	12	--	--	--	--
4	Friedel craft reactor	Alkaline Scrubber	12	--	--	--	--
5	Chlorination reactor	Chilled water Scrubber	12	--	--	--	--
6	D.G. Set (500 KVA)	--	6	HSD	100 Ltrs/Hr	--	42

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
SO ₂ (Boiler)	Not to exceed	135 Kg/day
H ₂ S	Not to exceed	10 ppm
SO ₂ (process)	Not to exceed	50 ppm
NO _x (process)	Not to exceed	50 ppm
Acid Mist/ HCl	Not to exceed	35 mg/Nm ³

3. 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.
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 Guarantees in force

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 O	Rs. 1.0 lakhs	Existing	Condition towards providing temporary storage facility for hazardous waste	Upto 31/10/2021	Extend upto 28/02/2022 after expiry
2		Rs. 1.0 lakhs	Existing	Condition towards providing de-foaming arrangement for aeration tank	Upto 31/10/2021	Extend upto 28/02/2022 after expiry
3		Rs. 1.0 lakhs	Existing	Condition towards stopping practice of disposing by-product at CETP and find scientific disposal path/ sent to CHWTSDF	Upto 31/10/2021	Extend upto 28/02/2022 after expiry
4		Rs. 1.0 lakhs	Existing	Condition towards providing final stage alkali scrubber to neutralize acidic fumes from Friedel Craft reactor	Upto 31/10/2021	Extend upto 28/02/2022 after expiry
5		Rs. 5.0 lakhs	Existing	Towards compliance of Consent conditions and towards O&M of pollution control systems	Upto 31/10/2021	Extend upto 28/02/2022 after expiry

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 H&OW(M&TM) Rules 2016, 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 & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 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 make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 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) Conditions for D.G. Set
- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) 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 provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) 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.
- 25) 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).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.
- 28) **The industry shall recycle/ reprocess/ reuse/ recover hazardous waste as per the provision contained in the H&OW (M & TM) Rules 2016, 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.**

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