

# MAHARASHTRA POLLUTION CONTROL BOARD

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(East) Mumbai-400 022.

Red/MSI

Consent No. BO/AS(T)/EIC No. TN-5288-14/A/GEN- 10250 Date: 11/11/2014.

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 & Transboundary Movement) Rules, 2008. [To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

CONSENT is hereby granted to

M/s Bharat Chemicals,  
Plot No. L-13 & L-30, MIDC Tarapur,  
Tal. & Dist. Palghar, Pin-401 506

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 the period upto 31/10/2016.
2. The Consent is valid for the manufacturing of-

Sr.No.	Product	Qty
1	Paracetamol (i.e. Para Amino Phenol route)*	125 MT/M
2	Para Nitro Phenol & Salts	10 MT/M
3	Dilute Acetic Acid (By product)	70 MT/M
4	Mefenamic Acid	10 MT/M
5	Chlorozoxasone Hydrochloride	25 MT/M
6	Albendazole	5 MT/M
7	Other bulk drug product mix	5 MT/M

(\*The product Para Amino Phenol as intermediate which are directly obtained by eliminating two stage i.e. Hydrolysis, Reduction and the same to be imported from outside agency & be manufactured by using only three stage as Acetylation, Purification, Distillation without change of pollution load)

3. **CONDITIONS UNDER WATER (Prevention & Control of Pollution) ACT, 1974:**
  - (i) The daily quantity of trade effluent from the factory shall not exceed 14.0 m<sup>3</sup>/day.
  - (ii) The quantity of sewage effluent from the premise shall not exceed 3.0 m<sup>3</sup>/day.
  - (iii) **Trade 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)	pH	Between	5.5 to 9.0.
(2)	Suspended Solids	Not to exceed	100 mg/l.
(3)	BOD 3 days 27 Deg. C.	Not to exceed	100 mg/l.
(4)	COD	Not to exceed	250 mg/l.

(5)	Oil & Grease	Not to exceed	10	mg/l.
(6)	TDS	Not to exceed	2100	mg/l.
(7)	TAN	Not to exceed	50	mg/l.

The applicant shall receive 9.0 CMD of industrial effluent generated from Caffeine mfg. plant at Plot No. 28, 28 Pt, 29, MIDC Tarapur sub-letted to M/s Aarti Industries Ltd. and apply treatment in its ETP at Plot No. 28 so as to achieve the Consented standards. In case, if the JVS results exceeds the Consented limits, then both industries i.e. M/s Bharat Chemicals & M/s Aarti Industries Ltd. will be held jointly responsible.

- (iv) **Trade Effluent Disposal:** The treated effluent shall be recycled to the maximum extent and remaining, if any, shall be discharged into CETP.

The treated effluent discharge quantity from both industries i.e. M/s Bharat Chemicals & M/s Aarti Industries Ltd. into CETP shall not exceed 23 m<sup>3</sup>/day.

- (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 Deg. C.	Not to exceed	100	mg/l.

- (vi) **Sewage Effluent Disposal:** The treated sewage shall be soaked into soak pit which shall be got cleaned periodically. Overflow, if any, shall be applied on land within premise for gardening purpose.

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

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
1. Plastic Bags	100 Nos/M	--	Reuse/Sale to Auth. Party.

- (vii) **Other Conditions:** The firm shall 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 thereunder:

The daily water consumption for the following categories is as under:

(i) Domestic	...	3.0 CMD
(ii) Industrial	...	14.0 CMD
(iii) Industrial Cooling/Boiler	...	25.0 CMD
(iv) Gardening	...	3.0 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 (Prevention & Control of Pollution) ACT, 1981:**

- (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:

**Control Equipment:** The firm shall provide pollution control facilities like dust collectors, scrubbers etc. of sufficient capacity to control air pollution wherever necessary and the same shall be operated & maintained round the clock.

**Conditions for D.G. Set:**

- Noise from the 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 provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- 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.
  - Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - 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
  - D.G. Set shall be operated only in case of power failure.
  - The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.

(ii) **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	216 Kg/day

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

Sr.No.	Type of Fuel	Quantity
1.	FO	2,400 Kg/day.
2.	HSD	3,000 Ltrs/M

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

Sr.No.	Chimney attached to	APCS Provided	Height in Mtrs.
1	Boiler (standby)		20 Mtrs.
2	Para Nitro Phenol & Salt Reactor	Alkali Scrubber	7 Mtrs.
3	Acetylation Reactor	Alkali Scrubber	7 Mtrs.
4	D.G. Set (125 KVA)	--	2.5 Mtrs. above roof

(Uses steam supplied from M/s Alchemie Pharma Chem Pvt. Ltd., Plot No. L-10, MIDC Tarapur, Tal. & Dist. Paighar)

- 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.
  - 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.
- (vii) **Other Conditions:**
- The firm shall not cause any nuisance in surrounding area.
  - The applicant shall monitor stack and ambient air quality regularly.

**6. CONDITIONS UNDER Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008:**


- (i) The applicant shall handle hazardous wastes as specified below:

Sr. No.	Item No. Of process substance generating HW as per Schedule-I/II	Type of waste	Quantity	Disposal

1	28.2	Activated Carbon Sludge	1.0 MT/M	CHWTSDF
2	34.3	ETP Sludge	0.2 MT/M	CHWTSDF

7. 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.
8. **General conditions:**
- (i) 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, no. of trees surviving as on 31<sup>st</sup> March of the year and no. of trees planted by September end.
  - (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution level.
  - (iii) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.** 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.
  - (iv) The firm shall submit MPCB, 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 before 30<sup>th</sup> September every year.
  - (v) The applicant shall install a separate meter showing the consumption of energy for operation of domestic effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis a vis actual power and chemical consumption alongwith Environmental statement.
  - (vi) Separate drainage system shall be provided for collection of sewage effluents. No effluent shall find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the industry.
  - (vii) The applicant shall provide facility for collection of environmental samples and samples of sewage effluents and air emissions wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant's industry.
  - (viii) The firm shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the premises.
  - (ix) 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.
9. **This Board reserves the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.**
10. **This consent should not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary.**
11. **If CETP cannot operate efficiently and problem of pollution occurs, industry should voluntarily stop the production or total effluent should be reused.**

12. The applicant shall ensure that their production shall be restricted to the generation of effluent as promised by you to the TEPS-CETP by reducing total daily generation of TEPS-CETP with voluntary closure in a staggered manner so as to restrict total generation of TEPS-CETP in a time bound manner to 25 MLD each day.
13. The applicant shall not carry out any excess production or produce new products without Consent of the Board and without Environmental Clearance wherever it requires.
14. The applicant shall not increase the water consumption and effluent quantity prescribed in the Consent. Also, shall not make use of any other water supply from the unauthorised sources like tanker and borewell etc.
15. The applicant shall operate and maintain existing ETP & APCS effectively so as to achieve the standards prescribed in the Consent.
16. The applicant shall not discharge any effluent in any other source other than the CETP sewerage drain for further treatment and disposal.
17. The applicant shall not change fuel without obtaining prior permission from the Board.
18. The applicant shall make provision for operation & maintenance of flow meter and online pH meter/separate energy meter to pollution control devices.
19. The applicant shall properly collect, transport & regularly dispose off the hazardous waste to CHWTSDF, in compliance of the Hazardous Wastes (Management, Handling & Transboundry Movement) Rules, 2008 and keep proper manifest thereof.
20. The applicant shall provide lock & key arrangement for treated industrial effluent.
21. This Consent is issued as per the "Assessment of Pollution Load" carried out & certified by Dr. Babasaheb Ambedkar Technological University vide letter No. DBATU/Chem/CW/BC-2/PVB dtd. 28/04/2014 and based on self assessment made by you and submitted in Board's prescribed format. If any violation and/or submission of misleading information are noticed, then the Consent issued under MoEF's Product-mix Circular dtd. 14/12/2006 will stand automatically cancelled and you have to follow the procedure of EIA Notification 2006 and amendments thereof for obtaining Environmental Clearance.
22. The applicant shall not carry out manufacturing of Caffeine product which is sub-letted to M/s Aarti Industries Ltd. as per agreement dtd. 01/10/2013 between the two industries.
23. This Consent is issued with the overriding effect on earlier Consent issued vide Consent No. BO/AS(T)/EIC No. TN-5120-14/R/GEN-6533 dtd. 11/07/2014 which was valid upto 30/11/2017.
24. The applicant shall keep and maintain existing bank guarantee of Rs. 1.5 Lakh in the Regional Office, Thane with the validity upto 31/03/2018 towards compliance of Consent conditions.
25. The capital investment of the industry is Rs. 7.24 Crore.

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

To,  
M/s Bharat Chemicals,  
Plot No. L-13 & L-30, MIDC Tarapur,  
Tal. & Dist. Palghar, Pin - 401 506.

Copy to:

- 1) Regional Officer, MPCB, Thane.
- 2) Sub-Regional Officer (Tarapur-I), MPCB, Palghar.
- 3) Chief Accounts Officer, MPCB, Mumbai.

Received Consent fee of -

<u>Amount</u>	<u>DD No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs. 75,000/-	925449	08/11/2011	Bank of Baroda.
Rs. 15,000/-	168218	26/06/2012	Bank of Baroda.
Rs. 65,000/-	177262	28/10/2014	Bank of Baroda.

- 4) Cess Branch, MPCB.
- 5) Master file.

Maharashtra Pollution Control Board