

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion-Matunga Scheme Road No.8,
Opp. Sion Circle, Sion (East)
Mumbai-400 022.

Red/MSI

Date: 05/07/2014.

Consent No. BO/AS(T)/EIC No. TN-3005-11/A/GEN- 6346

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 Crown Chemicals Pvt. Ltd.,
Plot No. E-87, E-88/1 & E-88/2, MIDC Tarapur,
Tal. Palghar, Dist. Thane

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 31/05/2015.
2. The Consent is valid for the manufacturing of –

Sr.No.	Products	Qty
1	Perfumery aldehydes (such as Piperonal)	22.0 MT/M
2	Distillation Residues by-product	8.0 MT/M

3. **CONDITIONS UNDER WATER (Prevention & Control of Pollution) ACT, 1974:**

- (i) The quantity of trade effluent from the factory shall not exceed 8.0 m³/day.
- (ii) The quantity of sewage effluent from the premise shall not exceed 2.0 m³/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)	Sulphates	Not to exceed	1000 mg/l.
(8)	Chlorides	Not to exceed	600 mg/l.
- (iv) **Trade Effluent Disposal:** The treated effluent shall be recycled to the maximum extent and remaining, if any, shall be discharged into CETP.
- (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 used on land for gardening/plantation only.

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

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
		-Nil-	

(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	...	2.5 CMD
(ii) Industrial	...	18.0 CMD
(iii) Industrial Cooling/Boiler	...	57.5 CMD
(iv) Gardening	...	2.0 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:

- (i) The firm shall provide air pollution control systems such as scrubbers, dust collectors etc. of sufficient capacity to control the air emissions;
- (ii) There shall not be any fugitive emission.

Conditions for D.G. Set

1. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
2. 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.
3. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
4. 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.
5. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.

6. 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.
7. D.G. Set shall be operated only in case of power failure.
8. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

(ii) **Standards for Emissions of Air Pollutants:**

- | | | | |
|-------|-----------------|---------------|------------------------|
| (i) | SPM/TPM | Not to exceed | 150 mg/Nm ³ |
| (ii) | SO ₂ | Not to exceed | 135 Kg/day |
| (iii) | HCl/Acid Mist | Not to exceed | 35 mg/Nm ³ |

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

Sr.No.	Type of Fuel	Quantity
1.	FO	1,500 Ltrs/day
2.	HSD	90 Ltrs/day

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

Sr.No.	Chimney attached to	APCS Provided	Height in Mtrs.
1	Boiler-I (0.6 TPH)	--	30 Mtrs.
2	Boiler-II (0.85 TPH)	--	
3	Boiler-III (0.85 TPH)	--	
4	D.G. Set (400 KVA)	--	3.0 Mtrs. above roof

(Either of the Boiler-II & Boiler-III shall be kept standby)

- (v) 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.
- (vi) 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:**
 - 1) The firm shall not cause any nuisance in surrounding area.
 - 2) The applicant shall monitor stack and ambient air quality regularly.

6. CONDITIONS UNDER HW (M&H) RULES, 1989 & AMENDMENT RULES, 2003:

- (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	34.3	ETP Sludge	11 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 30th September every year on available open plot area, no. of trees surviving as on 31st 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 31st March in the prescribed Form - V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th 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 deem fit necessary.

11. If CETP can not operate efficiently and problem of pollution occurs, industry should voluntarily stop the production or total effluent should be reused.

12. 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.

13. 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.

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 not discharge any effluent in any other source other than the CETP sewerage drain for further treatment and disposal.
16. The applicant shall make provision for operation & maintenance of flow meter and online pH meter/separate energy meter to pollution control devices.
17. 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.
18. The applicant shall provide lock & key arrangement for treated industrial effluent.
19. The applicant shall not use distillation residue (high boiler) as a fuel in the boiler.
20. The applicant shall maintain existing bank guaranttee of Rs. 2.0 Lakh and extend its validity upto 30/09/2015 after expiry towards compliance of the Consent contitions.
21. This Consent is issued with the overriding efect on earlier Consent No. BO/AS(T)/EIC No. TN-13/A/GEN-25 dtd. 17/09/2013 which was valid upto 31/05/2015.
22. This Consent is issued as per the "Assessment of Pollution Load" carried out & certified by Institute of Chemical Technology vide letter dtd. 28/05/2014 and based on submissions made by you. 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.
23. The capital investment of the industry is Rs. 10.52 Crores.


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

To,
 M/s Crown Chemicals Pvt. Ltd.,
 Plot No. E-87, E-88/1 & E-88/2, MIDC Tarapur,
 Tal. Palghar, Dist. Thane.

Copy to:

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

Received Consent fee of -

Amount	DD No.	Date	Drawn on
Rs.1,00,000/-	977907	09/05/2011	SBI.
Rs.1,00,000/-	984172	17/01/2014	Fedrel Bank.

4) Cess Branch, MPCB.

5) Master file.