

MAHARASHTRA POLLUTION CONTROL BOARD

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KALPATARU POINT, 3rd Floor,
Sion-Matunga Scheme Road No.8,
Opp. Sion Circle, Sion (East)
Mumbai-400 022.

Red/LSI

Consent No. BO/AS(T)/EIC No. TN-3173-10/R/CC- 1198

Date: 13/06/2013.

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 Sumitomo Chemical India Pvt. Ltd.,
(Formerly M/s S.C. Enviro Agro India Pvt. Ltd.),
Plot No T-137/138/113/251, MIDC Tarapur,
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 a period upto 31.08.2016.
2. The Consent is valid for manufacture of –

Sr.No.	Product	Qty
1	Cypermethrin Technical	209 MT/M
2	Fenvalerate Technical	
3	Meta Phenoxy Benzaldehyde (MPB)	
4	D. Allethrin Technical (Pynamon Forte)	
5	ETOG (Prallethrin Technical)	
6	98 Sum (98 Transphenothrin Technical)	
7	DTL (Fenpropathrin Technical)	
	By-products	
1	HCL Solution of 25-30%	50 MT/M
2	Sodium Sulphite Solution of 18-22%	100 MT/M
3	Aluminium Chloride Solution	40 MT/M
4	Phenolic Solution	5 MT/M
5	Potassium Bromide Solution	40 MT/M

3. **CONDITIONS UNDER WATER (Prevention & Control of Pollution) ACT, 1974:**
 - (i) The daily quantity of trade effluent from the factory shall not exceed 40.0 m³/day.
 - (ii) The quantity of sewage effluent from the premise shall not exceed 8.0 m³/day.

(iii) **Trade Effluent Treatment:** The applicant shall provide comprehensive treatment system consisting of primary/secondary and/or tertiary 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-

(A)	(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.

(B) **Additional:**

(a) **Organics-**

(1)	Phenol & Phenolic Compounds as C ₆ H ₅ OH	Not to exceed	1.0 mg/l.
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(b) **Inorganics-**

(1)	Cyanide as Cn	Not to exceed	0.2 mg/l.
(2)	Nitrate as NO ₃	Not to exceed	50.0 mg/l.

(C) **Specific Pesticide:**

(1)	Other (Fenavalerate Technical ETOC 98 to Transphenothrin Technical)	Not to exceed	100.0 mg/l.
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(iv) **Trade Effluent Disposal:** The treated effluent shall be reused/recycled to the maximum extent and remaining, if any, shall be discharged into CETP for further treatment. There shall not be any discharge outside the factory premises.

(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 disposed into CETP.

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

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
1. Paper Boxes	50 MT/Yr	-	} Sale
2. Metal Scrap	15 MT/Yr	-	
3. Wooden Pallets	1,000 Nos/Yr	-	
4. Plastic bags	20 MT/Yr	-	

(vii) **Other Conditions:**

1. The industry 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	...	10.0	CMD
(ii) Industrial	...	65.0	CMD
(iii) Industrial Cooling/Boiler	...	40.0	CMD
(iv) Gardening	...	30.0	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 industry shall provide scrubbers of the adequate capacity to reactors and gaseous emissions to control air pollution.

Conditions for DG Sets: -

- Noise from DG Sets shall be controlled by providing acoustic enclosure or by treating the room acoustically.
- Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall 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 shall be done at different points at 0.5 meters from acoustic enclosure/ room and then average.
- The Applicant should make efforts to bring down noise level due to DG Set, outside the premises, with ambient noise level requirements by proper setting 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 shall be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.
- The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
- The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
- In case of problems, the D.G. set shall not be operated until it is set back to satisfactory position.

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

(i)	SPM/TPM	Not to exceed	150 mg/Nm ³
(ii)	SO ₂ (Boiler)	Not to exceed	50.4 Kg/day
(iii)	SO ₂ (process)	Not to exceed	50 ppm
(iv)	HCl	Not to exceed	35 ppm
(v)	Chlorine	Not to exceed	5 ppm
(vi)	Bromine	Not to exceed	3 ppm

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	LDO	1,600 Ltrs/day
2.	HSD	2,000 Ltrs/day

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

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1.	D.G. Set (400 KVA - 3 Nos.)	4 mtrs. above roof.
2.	D.G. Set (180 KVA - 1 Nos.)	3 mtrs. above roof.
3.	Boiler	18 mtrs.
4.	Scrubber-110	12 mtrs.
5.	Scrubber-110	10 mtrs.

- (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 industry shall not cause any nuisance in surrounding area.
- 2) The industry shall monitor stack emissions and ambient air quality regularly from MoEF approved laboratory.

6. **CONDITIONS UNDER HW (M&H) RULES, 1989 & AMENDMENT 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	5.1	Used/Spent Oil	1.0 MT/Yr	Sale to Authorized Recycler
2	5.2	Waste/residue containing Oil	0.5 MT/Yr	CHWTSDF
3	20.1	Contaminated Solvents	1.0 MT/Yr	Sale to Authorized Recycler
4	20.2	Spent Solvents	1.0 MT/Yr	Sale to Authorized Recycler
5	21.1	Process Wastes, Residues & Sludge from industrial use of paints	0.2 MT/Yr	CHWTSDF
6	29.1	Process Waste/Residue	2.0 MT/Yr	CHWTSDF
7	29.2	Chemical Sludge containing residue of pesticides	15.0 MT/Yr	CHWTSDF
8	29.3	Date expired & off-specification pesticides	0.3 MT/Yr	CHWTSDF
9	33.3	Discarded containers/barrels/liners contaminated with HW/Chemicals	Liners-0.5 MT/Yr; Containers/barrel -1,700 Nos./Yr	Sale to Authorized Recycler after decontamination
10	34.2	Spent ion exchange resin containing toxic metals	0.4 MT/Yr	CHWTSDF
11	34.3	Chemical Sludge from waste water treatment	22.0 MT/Yr	CHWTSDF
12	34.4	Oil & Grease skimming residues	0.4 MT/Yr	CHWTSDF
13	35.2	Spent catalyst	0.3 MT/Yr	CHWTSDF
14	35.3	Spent Carbon	1.2 MT/Yr	CHWTSDF
15	-	Miscellaneous wastes, glass wool, rock wool, asbestos/ Teflon used gaskets, Teflon impregnated/graphite rope glands, waste alumina separated from dryer, thermocol, used safety items,	3.0 MT/Yr	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 pre 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 industrial 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. The applicant shall not carry out expansion of the industry without prior permission of the Board.

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

13. The applicant shall submit an irrevocable Bank Guarantee of Rs. 5.0 Lakhs in the Regional Office, Thane within 10 days from the date of issue of the Consent towards the O&M of the pollution control systems and compliance of Consent conditions.
14. This Consent is issued pursuant to the decision of Consent Committee meeting held on 18.05.2013 and with the overriding effect on earlier Consent issued vide Consent No. BO/JD.PAMS/EIC No. TN-3173/R/CC-68 dtd. 13/12/2011.
15. The capital investment of the industry is Rs. 29.47 Crores.

(Rajeev Kumar Mital)
Member Secretary

To,
M/s Sumitomo Chemical India Pvt. Ltd.,
(Formerly M/s S.C. Enviro Agro India Pvt. Ltd.),
Plot No T-137/138/113/251, MIDC Tarapur, Dist. Thane.

Copy to:

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

Received Consent fee of -

Amount	DD No.	Date	Drawn on
Rs. 2,50,100/-	367712	18/07/2011	Bank of Baroda.
Rs. 1,25,000/-	925776	05/10/2011	IDBI Bank.
Rs. 30,000/-	001119	18/11/2010	ICICI Bank.

4) Cess Branch, MPCB.

5) Master file.

Maharashtra Pollution Control Board