

# 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

Red/L.S.I

Date: 30/01/2014

Consent No: BO/AST/EIC NO.RD-2618-13R/CC- 920

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 & Transboundry Movement) Rules 2008

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

CONSENT is hereby granted to

M/s Hindustan Insecticides Limited,  
At - Rasayani, Tal-Panvel  
Dist- Raigad 410207

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 up to: 31.12.2015
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Monocrotophos Technical	41.66	MT/M
2	Butachlor Technical OR Pretilachlor (T)	25	MT/M
3	DDT Technical	345	MT/M
4	Malathion Technical OR Acephate (Technical)	150	MT/M
5	Buprofezin (Technical)	133.00	MT/M
6	Imidachloprid (Technical) OR Acetamiprid (Technical) OR Chlorpyriphos (Technical) OR Triazofos (Technical)	150	MT/M
7	DDVP (Technical)	8.00	MT/M
8	Bacillus Thuringiensis Varkurstaki	65.75	Kg/Day
9	Atrazine (T) (for import only)	Import as per requirement	
<b>FORMULATION PRODUCTS</b>			
1	Atrazine 50% WP	10.00	MT/Day
2	Malathion 5%	10.00	MT/Day
3	Thiamethoxam 25% WG	10.00	MT/Day
4	Cartap Hydrochloride 4% GR	10.00	MT/Day
5	Lambdacyhalothrin 2.5%EC	10.00	KL/Day
6	Neem Oil based EC containing Azadirachtin 0.03% W/W Min	10.00	KL/Day
7	Neem Seed kernel based EC (Triterpenoids containing Azadirachtin 015% EC)	10.00	KL/Day

SRO Raigad I/I/R//L/74932000

1

54	Carbendazim 12% +Mancozeb 63%WP	10.00	MT/Day
55	Triazophos 40 %EC	10.00	KL/Day
56	Imidacloprid 17.8 % SL	10.00	KLDay
57	Metribuzin 70%WP	10.00	MT/Day
58	Imidacloprid 70% WS	10.00	MT/Day
59	Chlorpyriphos 50% EC	10.00	KL/Day
60	Alphanaphthyl Acetic acid 4.5% SL	10.00	KL/Day
61	Chlorpyriphos 50%+Cypermethrin 5% EC	10.00	KL/Day
62	Neem Extract Concentrate containing Azadirachtin 5% W/Wmin	10.00	KL/Day
63	Mancozeb 64%+Metalaxyl 8%WP	10.00	MT/Day
64	Mancozeb 80% WP(For export)	10.00	MT/Day
65	Temephos 50% EC	10.00	KL/Day
66	Alphacypermethrin 5%WP	10.00	MT/Day
67	Acetamiprid 20%SP	10.00	MT/Day
	<b>BY PRODUCT</b>		
68	Sodium Acetate	62.35	MT/M

### 3. CONDITIONS UNDER WATER ACT:

(i) The daily quantity of trade effluent from the factory shall not exceed 1900.00M<sup>3</sup>.  
(There is reduction in effluent load from 2000 CMD to 1900 CMD after change in product mix.)

(ii) The daily quantity of sewage effluent from the factory shall not exceed 111.00M<sup>3</sup>.

#### (iii) Trade Effluent :

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1	pH	Between	5.5 to 9.0
2	Temperature	Shall not exceed 5 deg C above the receiving water temperature	
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	Total Suspended Solids	Not to exceed	100 mg/l.
7	Bioassay test on fish should show 90% survival in 96 hrs.		
	<b>(A) SPECIFIC PESTICIDES</b>		
8	Benzenl Hexachloride	Not to exceed	10 mg/l.
9	Carbonyl	Not to exceed	10 mg/l.
10	DDT	Not to exceed	10 mg/l.
11	Endosulfan	Not to exceed	10 mg/l.
12	Diamethoate	Not to exceed	450 mg/l.
13	Fenitrothion	Not to exceed	10 mg/l.
14	Malathion	Not to exceed	10 mg/l.
15	Phorate	Not to exceed	10 mg/l.
16	Methyl Parathion	Not to exceed	10 mg/l.
17	Phenathoate	Not to exceed	10 mg/l.
18	Pyrethrums	Not to exceed	10 mg/l.

- 7) For the preparation of embankment in soil for all four sides 1:2 slope is to be maintained. Minimum free board of 1.5 meters should be provided.
- 8) Flat bricks lining over HDPE sheet for bottom and slopes in cement mortar 1:5 with two layers of 250 micron thick HDPE sheet.
- 9) Construction of toe wall to avoid under scouring of the embankment during heavy rains.
- 10) Two coats of coal tar epoxy paint (120 micron total)
- 11) Provision of fencing around the lagoon to prevent entry of trespassers and stray animals.
- 12) If any leachate generated, the BOD / COD should be brought to the acceptable limits before disposing the same.
- 13) Forced evaporation system should be provided in place of solar evaporation.

(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 27o C.	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1		Not applicable		

(viii) **Other Conditions:** Industry should 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 there under**

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

- |   |     |             |
|---|-----|-------------|
| (i) Domestic purpose  | ... | 141.00 CMD  |
| (ii) Water gets Polluted & Pollutants are Biodegradable             | ... | 5805.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 0.00 CMD    |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed       | ... | ----- CMD   |
| (v) Agricultural / Gardening  | ... | 300.00 CMD  |

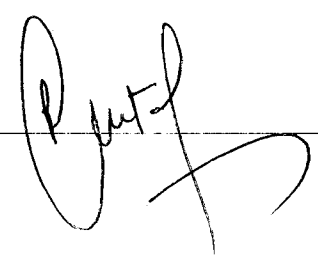
The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

**5. CONDITIONS UNDER AIR ACT:**

- (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:

**a. Control Equipment:**

- 1) A continuous monitor of chlorine with an alarm adjusted to 1 ppm shall be installed.



### Conditions for D.G. Set

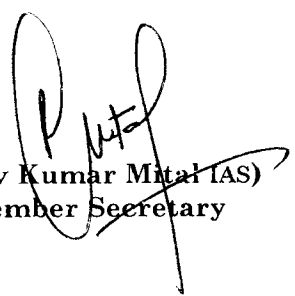
- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss 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. 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 55 dB(A) during day time and 45 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.
- d. 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.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. 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
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set

### 6. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	29.2 Chemical Sludge from Waste Water Treatment	300.00	MT/A	CHWTSDF
2	33.3 Discarded Containers / Barrels / Liners used for HW Chemicals	300.00	MT/A	Sale to Authorised party after decontamination
3	20.3 By Product Spent Sulphuric Acid from product DDT Technical	583.33	MT/M	Sale to Authorised party
4	20.3 Residues from the products Pretilachlor(T), Buprofezin(T), Imidachloprid (T), Acetamiprid(T), Chlorpyriphos(T) & Triazofos (T)	12.5	MT/M	Sale to Authorised party
5	29.1 Process waste /Residues containing pesticides	300	MT/A	CHWTSDF for incineration
6	15.2 Discarded Asbestos Rope & 33.3 Waste Hessian (Jute) Bags	1050	Kg/A	CHWTSDF for incineration
7	20.3 Waste ATFE Solvent residue after recovery from Monocrotophos (T) plant	6.00	MT/A	Sale to Authorised Reprocessor/ Recycler
8	29.1 Phosporous pentasulphide Process wastes / residues material	3.60	MT/A	
9	20.2 Waste Solvent after by product recovery from Butachlor (T) plant	10.00	MT/A	
10	20.3 By product Spent caustic from product Malathion Technical	125.00	MT/M	Sale to Authorised Party.

- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric 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.
- xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection System.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
8. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
9. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
10. This consent is issued as per the decision taken in the meeting of the Consent Committee of the Board held on 15/01/2014.
11. This consent is issued by overriding earlier consent No. BO/PAMS/O/EIC NO.RD-1724-10/CC-144 dtd-19/09/2011 and amalgamation of the Consent to Establish, granted vide No-BO/PAMS/E/EIC No.RD-2229-12/CC-2922 dtd-06/04/2013 considering the Industry proposal for product mix change within consented limits as per MoEF circular dt. 14.12.2006
12. The Capital investment of the industry is Rs. 53.20 Crore

  
(Rajeev Kumar Mittal IAS)  
Member Secretary

To,  
M/s Hindustan Insecticides Limited,  
At - Rasayani, Tal-Panvel  
Dist- Raigad 410207

Copy to:-  
Regional Officer, MPCB Raigad/Sub-Regional Officer, MPCB Raigad-I/Chief Account Officer, MPCB Mumbai.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	500	106453	05/07/13	SBI
2	100100	251711	14/08/2013	Bank of Baroda