

# MAHARASHTRA POLLUTION CONTROL BOARD

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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: 18/09/2014

Consent No: BO/AS (T)/R/EIC NO.-NM-5278-14/CC- 8711

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 Neogen Chemicals Pvt. Ltd  
Plot No- A-43, TTC MIDC Mahape,  
Thane-Belapur Road, Navi Mumbai.

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: 31.05.2015.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity (MT/A)
	<b>INORGANIC CHEMICALS</b>	
1	Lithium Bromide solution 55%	700
2	Lithium Bromide solution 54%	100
3	Lithium Bromide solution 53%	100
4	Lithium molybdate solution 20 %	5
5	Lithium Citrate Tetra Hydrate	5
6	Lithium Iodite Trihydrate	5
7	Lithium Bromide Anhydrous	100
8	Lithium Chloride solution 40%	50
9	Lithium Chloride Anhydrous	25
10	Lithium Nitrate solution 40%	50
11	Lithium Nitrate Anhydrous	20
12	Lithium Chromate solution 20%	5
13	Lithium molybdate solution 30 %	5
14	Lithium molybdate Anhydrous	5
15	Lithium Sulphate	5
16	Lithium Citrate Hydrate	5
17	Lithium acetate Anhydrous	5
18	Lithium Fluoride	5
19	Lithium Chromate solution 35%	5

Synthetic Organic Chemicals		
20	2-Bromo Butane	1
21	2-Bromo Pentane	1
22	Allyl Bromide	5
23	Tertiary Butyl Bromide	10
24	Methyl Bromide solution	3
25	Ethyl Bromide	30
26	N-Propyl Bromide	2
27	N-Butyl Bromide	5
28	N-Amyl Bromide	5
29	N-Hexyl Bromide	2
30	N-Heptyl Bromide	5
31	N-Octyl Bromide	5
32	N- Decyl Bromide	2
33	Iso Propyl Bromide	15
34	Iso Butyl Bromide	2
35	Iso Amyl Bromide	50
36	Ethylene Dibromide	10
37	1, 3 Dibromo Propane	10
38	1, 4 Dibromo Butane	2
39	1, 5 Dibromo Pentane	10
40	1,6 Dibromo Hexane	10
41	Propargyl Bromide	5
42	Propargyl Bromide 80 % in Toluene	1
43	6 Bromo Hexyl trimethyl Ammonium Bromide	2
44	N-Butyl Chloride	2
45	Tertiary Butyl Chloride	1
46	1,3 Dichloro Propane	2
47	1,6 Dichloro Hexane	60
48	Cyclopentyl Bromide	2
49	Dibromo Cyclopentane	2
50	Cyclohexyl Chloride	20
51	Cyclopentyl Chloride	2
52	Cyclohexyl Chloride	200
53	Bromobenzene	1
54	1-Bromo Naphthalene	3
55	1,4 Dibromo Naphthalene	2
56	2-Bromo Butyric Acid	2
57	2-Bromo Pentanoic Acid	1
58	4-Bromo Butyric Acid	1
59	5-Bromo Valeric Acid	1
60	6-Bromo Hexanoic Acid	2
61	2-Bromo Iso Butyric Acid	1
62	2-Bromopropionyl Bromide	10
63	Methyl 2- Bromo Butyrate	15
64	Ethyl 2- Bromo Butyrate	1
65	2 Bromo Prop. Acid Ethyl Ester	20
66	2 Bromo Iso Butyric Methyl Ester	1
67	2 Bromo Iso Butyric Ethyl Ester	40
68	2 Bromo Iso Butyric Iso Propyl Ester	5
69	Methyl 2 - Bromo Hexonoate	

70	Ethyl 4 Bromo Butyrate	1
71	Methyl 6 Bromo Hexanoate	1
72	6- Bromo Hexanyl Chloride	1
73	Ethyl Bromo Acetate	1
74	Vinyl Magnesium Bromide in THF	50
75	Methyl Magnesium Bromide in THF	10
76	Ethyl Magnesium Bromide in THF	2
77	Iso Propyl Magnesium Bromide in THF	2
78	Phenyl Magnesium Bromide	2
79	Cycloentyl Magnesium Bromide	1
80	Methyl Magnesium Chloride in THF	2
81	Ethyl Magnesium Chloride in THF	5
82	N-Butyl Magnesium Chloride	5
83	Tertiary Butyl Magnesium Chloride	2
84	Iso propyl Magnesium Chloride in THF	1
85	Phenyl Magnesium Chloride	1
86	Allyl Magnesium Chloride	1
87	Cyclopentyl Magnesium Chloride	1
88	1 Bromo 3- Chloro Propane	10
89	1 Bromo 4- Chloro Butane	10
90	1 Bromo 5- Chloro Pentane	75
91	1 Bromo 6- Chloro Hexane	1
92	Dibromo Chloro Propane	3
93	Bromo Chloro Benzene	2
94	N-Butyric Anhydride	5
95	Phenyl Ethyl Bromide	2
96	Pure Octyl Bromide	30
97	T Butyl Bromo Acetate	1
98	Vinyl Bromide Solution in THF	40
99	Vinyl Chloride Solution in THF	5

**Note: Total Production of Synthetic Organic Chemicals should not exceed 864 MT/A**

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed **5.80 M<sup>3</sup>**.  
(ii) The daily quantity of sewage effluent from the factory shall not exceed **3.00M<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	Oil & Grease	Not to exceed	10 mg/l
3	Suspended Solids	Not to exceed	100 mg/l.
4	BOD 3 days 27 degree C	Not to exceed	100 mg/l.
5	COD	Not to exceed	250 mg/l.
6	Total Ammonical Nitrogen	Not to exceed	50 mg/l.

- (iv) **Trade Effluent Disposal:** The treated trade effluent should be recycled / reused to the maximum extent and remaining should be disposed 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 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, be disposed into CETP.

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
		-NA-		

(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	...	5.00	CMD
(ii)	Water gets Polluted & Pollutants are Biodegradable	...	9.00	CMD
(iii)	Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00	CMD
(iv)	Industrial Cooling, spraying in mine pits or boiler feed	...	30.50	CMD
(v)	Gardening / Plantation	...	3.5	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:**

- i. Adequate air pollution control system of sufficient capacity shall be provided at all dust generating locations and operated properly.
- ii. There shall not be any secondary (fugitive) emissions.

6. **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

#### 7. Standards for Stack Emissions:

- (i) **Standards for Emissions of Air Pollutants:**

(i)	SPM/TPM	Not to exceed	150.0	mg/Nm <sup>3</sup>
(ii)	SO <sub>2</sub>	Not to exceed	18.0	Kg/day
(iii)	Bromine	Not to exceed	5	mg/Nm <sup>3</sup>
- (ii) **The applicant shall observe the following fuel pattern:-**

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	0.9	KLD

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Roller (2 Nos.)	22.0
2	Scrubber to Bromine RP	12.0
3	D.G Set	3.50

- (iv) **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.**
- (v) **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.**
- (vi) **Other Conditions:**
  - 1) The industry should not cause any nuisance in surrounding area.
  - 2) The industry should monitor stack emissions and ambient air quality Regularly.

**8. 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	34.3 Chemical sludge from waste water treatment	0.30	Kg/A	CHWTSDF
2	28.1 Residues and wastes*	0.48	Kg /A	CHWTSDF
3	33.3 Discarded containers / barrels / liners	72.00	Nos/ A	CHWTSDF

(ii) Treatment: - NIL

9. Whenever due to any accident or gas leakage 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 Collector, Directorate of Industry, Safety and Health, Police Station, Fire Brigade, Directorate of Health Services, Department of Explosives, Board and Local Body and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emission and ensure that the emissions do not cause any harm or nuisance in the surrounding. The industry should not restart the process without permission of the Board and other statutory organization as require under the law.

**10. Industry shall comply with following additional conditions:**

- i. 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.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – 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 to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant 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 & conditions of this consent regarding pollution levels.
- v. 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.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.

- 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.
11. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may demand fit necessary.
  12. Industry shall submit the bank guarantee of Rs. 5.0 lakh within 15 days to Regional Officer, MPC Board, Navi Mumbai, towards up gradation of existing ETP within six months.
  13. The Capital investment of the industry is 19.36 Crores. (Existing CI was Rs. 11.07 Crores) as per CA certificate submitted by the industry.

*Mirash*  
18/9/14

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

To,  
M/s Neogen Chemicals Pvt. Ltd  
Plot No- A-43, TTC MIDC Mahape,  
Thane-Belapur Road, Navi Mumbai.

Copy to :  
RO, Navi Mumbai/SRO, Navi Mumbai II- They are directed to ensure the compliance of consent conditions.  
CAO/Cess Branch/Master file.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	2,50,100/-	209878	29.05.2014	SBI Bank
2	25,000/-	209880	30.05.2014	SBI Bank