

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

RED/LSI

Consent order No:-Format 1.0/AST/RO-NM/EIC No. NM-5810-15/R/CC-12045

Date- 23/08/2015

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

Subject: Renewal of Consent to operate.

Ref: 1. Earlier consent to operate is granted vide No. BO/ AS (T)/R/ EIC No. NM
-5278-14/ CC-8711. Dtd. 18.09.2014

Your application: CR15006000420

Dated: 06.06.2015

For Renewal 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 under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted for a period from 31.05.2015 to 31.05.2020
2. The total capital investment of the industry is Rs. 19.37 Crs. (Existing CI was Rs. 19.36 Crs.) (As per C. A Certificate submitted by industry)
3. The Consent is valid for the manufacturing of -

Sr. No.	Product Name	Maximum Quantity
	INORGANIC CHEMICALS	(MT/A)
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	1
23	Tertiary Butyl Bromide	5
24	Methyl Bromide solution	10
25	Ethyl Bromide	3
26	N-Propyl Bromide	30
27	N-Butyl Bromide	2
28	N-Amyl Bromide	5
29	N-Hexyl Bromide	5
30	N-Heptyl Bromide	2
31	N-Octyl Bromide	5
32	N- Decyl Bromide	5
33	Iso Propyl Bromide	2
34	Iso Butyl Bromide	15
35	Iso Amyl Bromide	2
36	Ethylene Dibromide	50
37	1, 3 Dibromo Propane	10
38	1, 4 Dibromo Butane	10
39	1, 5 Dibromo Pentane	2
40	1,6 Dibromo Hexane	10
41	Propargyl Bromide	10
42	Propargyl Bromide 80 % in Toluene	5
43	6 Bromo Hexyl trimethyl Ammonium Bromide	1
44	N-Butyl Chloride	2
45	Tertiary Butyl Chloride	2
46	1,3 Dichloro Propane	1
47	1,6 Dichloro Hexane	2
48	Cyclopentyl Bromide	60
49	Dibromo Cyclopentane	2
50	Cyclohexyl Chloride	2
51	Cyclopentyl Chloride	20
52	Cyclohexyl Chloride	2
53	Bromobenzene	200
54	1-Bromo Naphthalene	1
55	1,4 Dibromo Naphthalene	3
56	2-Bromo Butyric Acid	2
57	2-Bromo Pentanoic Acid	2
58	4-Bromo Butyric Acid	1
59	5-Bromo Valeric Acid	1
60	6-Bromo Hexanoic Acid	1
61	2-Bromo Iso Butyric Acid	2
62	2-Bromopropinonyl Bromide	1
63	Methyl 2- Bromo Butyrate	10
64	Ethyl 2- Bromo Butyrate	15
65	2 Bromo Prop. Acid Ethyl Ester	1
66	2 Bromo Iso Butyric Methyl Ester	20
67	2 Bromo Iso Butyric Ethyl Ester	1
68	2 Bromo Iso Butyric Iso Propyl Ester	40
69	Methyl 2 - Bromo Hexanoate	5
70	Ethyl 4 Bromo Butyrate	1

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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	Cyclopnetyl 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: Industry shall manufacture 14 nos. of products at a time with the help of 14 nos. reactors and not to exceed total quantity of 864 MT/A)

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	5.8	As per Schedule -I	CETP
2.	Domestic effluent	3	As per Schedule -I	Septic tank

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler 2 Nos.	1	As per Schedule -II
2.	Process Reactor	1	As per Schedule -II
3.	DG set	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes: NA

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and Disposal of hazardous waste:

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Sr. No.	Item No. as per Schedule-I	Type Of Waste	Quantity	Disposal
1	28.1	Residues and wastes	0.30 KG/A	CHWTSDF
2	33.3	Discarded containers	72 Nos/A	
3	34.3	Chemical sludge from waste water treatment	0.48 KG/A	

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
11. This consent is issued as per the delegation of powers to HOD's vide Board Office Order dtd. 01/03/2013.

For and on behalf of the
Maharashtra Pollution Control Board

(P. K. Mirashe)
(P. K. Mirashe)

Assistant Secretary (Tech.)

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1.	2,50,100/-	209878	29.05.2014	SBI Bank
2.	50,000/-	211074	30.05.2015	SBI Bank

Note: Remaining fees of Rs. 2,00,000/- is utilized for renewal of this consent.

Copy to:

1. Regional Officer -Navi Mumbai and Sub-Regional Officer, Navi Mumbai-II, MPCB, Navi Mumbai - They are directed to carry out the JVS of Bromine emission and submit the compliance report of the same within a month. They are also directed to initiate separate office note for return of BG of Rs. 5 Lakh and ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updating purposes.

Schedule-I
Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have provided Effluent Treatment Plant (ETP) consists of Primary & tertiary system with capacity 10 CMD.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	5.5 to 8.5
02	Suspended Solids	100
03	BOD 3 days 27 deg. ^o C	100
04	COD	250
05	Oil & Grease	10

- C] The treated effluent shall be recycled to the maximum extent and remaining shall be sent to CETP through MIDC pipeline.
- 2) A] As per your consent application, you have provided soak pit as a treatment for sewage.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
- (1) Suspended Solids. Not to exceed 100 mg/l.
- (2) BOD 3 days 27^oC. Not to exceed 100 mg/l.
- C] The treated sewage shall be used on land for gardening/plantation only in the factory premises.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	30.50
2.	Domestic purpose	5
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	9

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4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	NIL
5.	For gardening	3.5

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

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Maharashtra Pollution Control Board

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1.	Boiler 2 Nos.	Common stack	22	PNG	100 M3/hr.
2.	Process Reactor	Bromine Scrubber	12
3.	DG Set 250 KVA	Stack	3.5*	HSD	150 Lit/Hr

* Above the roof

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³ .
Bromine	Not to exceed	5 mg/Nm ³ .

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III Details of Bank Guarantees

Bank Guarantee History: Fresh and Existing BG's

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Existing BG	2 Lakh	15 Days	Towards O & M of Pollution Control systems	31.05.2020	30.09.2020

Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly.
- 4) 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.
- 5) 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.
- 6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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 and conditions of this consent.
- 7) The firm shall submit to this office, the 30th day of September every year , 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.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW (MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 9) The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Activity.
- 12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

- 16) The applicant shall install a separate 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.
- 17) 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
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping.
- 21) 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, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 22) 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 of solid waste.
- 23) The applicant shall not change or alter the 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 25) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

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