

MAHARASHTRA POLLUTION CONTROL BOARD

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

Red/LSI

Consent No. BO/AS(T)/EIC No. TN- 13/O/CC- 7194 Date: 28/08/2013.

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 Sarex Overseas,
Plot No N-129, N-130, N-131 & N-132,
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 a period upto 31.02.2018.
2. The Consent is valid for manufacture of -

Sr.No.	Product	Qty
1	Ven-2(CG-35-1597)	10.0 MT/M
2	TDA	0.5 MT/M
3	Ketoprofen Nitrile	3.0 MT/M
4	Alpha Chloralose	0.2 MT/M
5	Methyl 4 bromocrotonate	0.5 MT/M
6	2,5-Dibromopyridine	0.5 MT/M
7	Amino Diphenyl Methane	2.0 MT/M
8	ST-222	1.0 MT/M
9	5-Chloro-2 Nitro Diphenyl Amine	0.25 MT/M
10	Diphenic Acid	0.5 MT/M
11	3,5-Dinitro Aniline	1.0 MT/M
12	Benzophenone Imine	0.5 MT/M
13	4-Bromo 2- Fluoro Biphenyl	1.5 MT/M
14	Pyridinium Para Toulene Sulphonate	0.5 MT/M
15	5-Ethyl Pyridine-2 Ethanol	4.0 MT/M
16	NCHQ	0.5 MT/M

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

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
1. Empty Containers	900 Nos./M	--	Sale after Decontamination.

(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	...	4.0 CMD
(ii) Industrial	...	2.89 CMD
(iii) Industrial Cooling/Boiler	...	238.7 CMD
(iv) Gardening	...	10.0 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 firm shall provide pollution control facilities like dust collectors, scrubbers of sufficient capacity to control air pollution.

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

(i) SPM/TPM	Not to exceed	150 mg/Nm ³
(ii) SO ₂	Not to exceed	--

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
	-Nil-	

(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>
	-Nil-	

(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.

6. **CONDITIONS UNDER HW (M&H) RULES, 1989 & AMENDMENT RULES, 2008:**

The applicant shall not hazardous wastes from proposed expansion.

(5)	Oil & Grease	Not to exceed	10	mg/l.
(6)	Total Dissolved Solids	Not to exceed	2100	mg/l.
(7)	Sulphates	Not to exceed	1000	mg/l.
(8)	Chlorides	Not to exceed	600	mg/l.
(9)	Zinc	Not to exceed	5	mg/l.
(10)	Iron	Not to exceed	3	mg/l.
(11)	% Sodium	Not to exceed	60%	mg/l.

- (iv) **Trade Effluent Disposal:** Out of the total 51.0 m³/day treated trade effluent, industry shall reuse/recycle 26.0 m³/day into process and remaining 25.0 m³/day shall be sent to 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 used on land for gardening/plantation only.

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

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
1. Empty Drums	20 Nos/M	-	} Sale after Decontamination.

- (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	...	15.0	CMD
(ii) Industrial	...	80.0	CMD
(iii) Industrial Cooling/Boiler	...	25.0	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 2 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 air pollution control systems like scrubbers, dust collectors etc. of the adequate capacity 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.

3. 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.
4. Installation of DG Set must be strictly in compliance with recommendations of DG set manufacturer;
5. 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.
6. The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
7. The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
8. 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	275 Kg/day
(iii)	NOx/SO ₂ (process)	Not to exceed	50 ppm
(iv)	HCl/Acid Mist	Not to exceed	35 ppm

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	LDO	550 Ltrs/Day
2.	HSD	100 Ltrs/Hr
3.	FO	120 Ltrs/Hr

(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 (500 KVA)	3 mtrs. above roof.
2.	D.G. Set (380 KVA)	3 mtrs. above roof.
3.	Boiler (2 TPH)	32 mtrs.
4.	Boiler (0.6 TPH-2 Nos.)	32 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:

<u>Sr. No.</u>	<u>Item No. Of process substance generating HW as per Schedule-I/II</u>	<u>Type of waste</u>	<u>Quantity</u>	<u>Disposal</u>
1	20.2	Spent Solvent	10.0 Kg/M	CHWTSDF

2	20.3	Distillation Residue	710.0 Kg/M	CHWTSDf
3	25.1	Chemical Residue	10.0 Kg/M	CHWTSDf
4	34.3	Chemical Sludge from waste water treatment	651.0 Kg/M	CHWTSDf

- (ii) The industry has to display and maintain the data online outside the factory main gate in Marathi & English both on 6'x4' display board in the manner and the report of the compliance alongwith photograph shall be submitted to this office and concerned Regional/Sub-Regional Office.
- (iii) It shall be ensured that the Hazardous waste is handled, managed & disposed off strictly in accordance with HW (M&H) RULES, 1989 & AMENDMENT RULES, 2008.

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 and 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 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. The existing pollution load of the industry shall not increase with change in proposed product mix.
13. If CETP cannot operate efficiently and problem of pollution occurs, industry should voluntarily stop the production or total effluent should be reused.
14. The applicant shall make provision of water meter system at ETP outlet along with lock & key arrangement and strictly adhere to net treated effluent discharge to CETP as per Consented quantity of 25 m³/day.
15. The applicant shall submit an irrevocable Bank Guarantee of Rs. 5.0 Lakhs towards compliance of the above condition and Bank Guarantee of Rs. 5.0 Lakhs towards O&M of the pollution control systems the Regional Office, Thane within 10 days from the date of issue of the Consent.
16. This Consent is issued pursuant to the decision of Consent Committee meeting held on 17.08.2013 and "No increase in pollution load" certificate issued by Dr. Babasaheb Ambedkar Technological University vide letter No. DBATU/Chem/CWI/SO-2/PVB dtd. 3/07/13.
17. The capital investment of the industry is Rs. 48.49 Crores.

(V.M. Motghare) 22/5/13
Member Secretary

To,
M/s Sarex Overseas,
Plot No N-129, N-130, N-131 & N-132,
MIDC Tarapur, Tal. Palghar, 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. 1,50,000/-	200315	27/05/2013	Indian Overseas Bank
Rs. 2,50,000/-	588237*	3/09/2011	Indian Overseas Bank
Rs. 1,25,000/-	588523*	7/10/2011	Indian Overseas Bank

* - Excess Consent fee of Amt. 3,00,000/- paid earlier by the industry is adjusted

4) Cess Branch, MPCB.

5) Master file.