

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 274-275, E. Rd.
Opp. Cine Planet Cinema,
Near Siddhivinayak, Sion (E),
Mumbai-400 022.

Red/L.S.I

Date: 28/02/2015

Consent No: BO/ASTRO-KN/EIC No KN-6434-13/R/Amnd/CC-2125

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. Metropolitan Eximchem Ltd.
Plot No. B-CFC, MIDC Phase II, Dombivli,
Dist- Thane-421204

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 thereon subject to the provisions of the Act and the Rules and the Orders thereunder made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to: 28/02/2015.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity in MTA.
1	K-ACID	5
2	2-Acetyl Amino-6- Amino Phenol-4-Sulphuric Acid	50
3	Para Phenylene Diamine Di Sulphonic Acid	40
4	3(Phenyl Sulphonyl) Benzene sulphonic acid	50
5	O-NAPSA	40
6	2-Acetyl Aminophenol	5
7	4-Chloro-2-Amino Phenol 5 Sulphonic Acid	10
8	4-Chloro 5-Nitro 2-Amino Phenol	10
9	6-NAPSA	30
10	Formazon Blue	30
11	M-Sulphophenyl Gamma Acid	10
12	5-Nitro 2-Amino Phenol	70
13	HW Amine	5
14	5 AMINO 6 METHYL BENZIMIDAZOLONE	80

15	Anthroniloyl Anthranilic Acid	5
16	Sodium Trichloro Benzene Sulfonate (STB)	5
17	DIAZO ESTER	8
18	DAMAB	1
19	Dicumene	95
20	D-101 (Diazo phosphate)	2
21	D-121 (Diazo Chloride)	1
22	2,5-Dichloro p-phenylene Diamine	15
23	N-Ethyl Carbazole	10
24	Para Amino N Methyl Acetanilide	5
25	2 N-Carbethoxy Amino 5-Naphthol 7-Sulphonic acid	10
26	4-Chloro Anthranilic acid	5
27	5-Chloro 8-Hydroxy Quiniline	100
28	2,5-Dimethoxy aniline 4-sulpho phenylamide	
29	3m6b	5
30	Thio 3m6b	5
31	4-(2Chloroethyl Sulfonyl) Butric acid	20
32	2-Chloro 4-(2Chloroethyl Sulfonyl) Butric Acid	10
33	MR3	15
34	BHE	2
35	2,3 DIBROMOPROPYL CHLORIDE	5
36	3 BROMO PROPYLENE AMINE 4 SULFO ANILINE	5
37	3 Amino 4(4 Amino 2 Sulfo Phenyl)AZO 5 Hydroxy Naphthone	10
38	4,4 Diamino Diamino Di Phenyl Amin Sulphate	2
39	Aniline Methyl Omega Carboxy Acid	5
40	Para Crisedene Sulfo Methyl Amide	5
41	Capsamide	5
42	D-60	0.150
	BYPRODUCT	
43	Spent Sulphuric Acid	3000
44	Zinc Chloride	100
45	Unhydrous Sod. Sulfate Captive	06

(Total production quantity of finished products shall not exceed 786 MT/A.)

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 200.00 m³/day
(ii) The daily quantity of sewage effluent from the factory shall not exceed 15.00 m³/day

(iii) Trade Effluent :

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as 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	Suspended Solids	Not to exceed	100 mg/l
3	BOD 3 Days 27 ° C	Not to exceed	100 mg/l
4	COD	Not to exceed	250 mg/l
5	Oil & Grease	Not to exceed	5 mg/l
6	TDS	Not to exceed	2000 mg/l
7	Sulphate	Not to exceed	1000 mg/l
8	Chlorides	Not to exceed	600 mg/l
9	Iron	Not to exceed	3.0 mg/l
10	Sulphide	Not to exceed	5.0 mg/l

(iv) **Trade Effluent Disposal:** The treated trade effluent shall be recycled/reused to the maximum extent and remaining shall be discharged to CETP. In no case treated effluent shall find its way outside the factory premises or in local drainage.

(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 spared to 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	Disposal
1	Coal Ash	3.6 Mt/day.	Sale to Brick Manufacturers

(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	...	20.00 CMD
(ii)	Water gets Polluted & Pollutants are Biodegradable	...	210.00 CMD
(iii)	Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iv)	Industrial Cooling, spraying in mine pits or boiler feed	...	60.00 CMD
(v)	Agriculture / Gardening	...	20.00 CMD

The applicant shall regularly submit to the Board the return 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) Scrubber of sufficient capacity shall be provided to process reaction to limit emissions.
- 2) Air pollution control equipment of adequate capacity shall be provided to limit the emissions.
- 3) The industry shall provide multi cyclone dust collector followed by wet scrubber to coal fired boiler.

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 an 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

Standards for Stack Emissions:

1	SPM/TPM	Not to exceed	150	mg/Nm ³
2	SO ₂ (Boiler)	Not to exceed	108	Kg/day
3	SO ₂ (Process)	Not to exceed	50	ppm
4	NO _x	Not to exceed	50	ppm
5	H ₂ S	Not to exceed	10	ppm

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

Sr. No.	Type Of Fuel	Quantity
1	LDO	300 Mt/day
2	HSD	75 Lt/day
3	Furnace Oil	1120 Mt/day
4	Coal OR	10.50 Mt/day
5	Bagasse OR	9.26 Mt/day
6	Rice Husk	12.34 Mt/day

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Common Stack for all Boiler	30.00
2	SO ₂ scrubbers (4 nos)	30.00
3	Nox scrubber.	30.00
4	Incinerator	30.00
5	D.G. Set (2 nos)	10.00 each
6	NH ₃ SCRUBBER	30.00
7	Spray dryer	30.00

- (iii) 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) attached to various sources of emission shall be designated by name such as S-1, S-2, etc. and these shall be painted/ displayed for easy identification.

- (iv) The industry shall take adequate measures for control of noise level 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.

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

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

Sr. No.	Category	Type Of Waste	Quantity	Disposal
1	5.1	Waste Oil / Used Oil	17 Kg/m	CHWTSDF
2	5.2	Wastes / residues containing Oil	2000 Kg/m	CHWTSDF
3	26.1	Process waste sludge	50 kg/m	CHWTSDF
4	26.2	Chemical Sludge from Waste water treatment	500 kg/m	CHWTSDF
5	33.2	Sludge from Treatment of Waste water arising out of cleaning /disposal of barrels / containers	5 kg/m	CHWTSDF
6	36.2	Ash from incineration of Hazardous waste	500 kg/m	CHWTSDF

(ii) Treatment: - NIL

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous wastes.
 2. The industry should comply with the Hazardous Waste (C&D) Rules, 2003.
7. Whenever due to any accident or other unforeseen act or event such emissions occur or is apprehended to occur in excess of standards laid down, such information should 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 should be stopped.

8. 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 or 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 the applicant to maintain compliance with the terms and conditions of the consent. In the absence of 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 30th day of September every year, 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.
- ix. An inspection book shall be opened and made available to the Board staff 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 plant 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.
9. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit and necessary.
 10. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
 11. This Board reserves the right to revoke, amend or add any conditions in this consent and the same shall be binding on the Applicant.
 12. Industry shall comply with the conditions of Corporate Responsibility for Environment Protection (CREP).
 13. Industry has proposed product mix change within consented limits, hence the consent is issued as per MoEF circular dt. 14.12.2006 and "No increase in pollution load" certificate issued by ICT Mumbai dtd. 26/12/2012.
 14. Industry shall submit Bank Guarantee of Rs. 5 lakh within 15 days to Regional Officer Kalyan, which shall be valid for one year, towards O & M of pollution control systems.
 15. This Consent is issued pursuant to the decision taken in 20th MC meeting held on 15.3.2013 of the Board.
 16. The Capital investment of the industry is Rs. 27.77 Crore.

(Rajeev Kumar Mittal) (S)
Member Secretary

To,
M/s. Metropolitan Eximchem Ltd.
Plot No. B-CFC, MIDC Phase II, Dombivali,
Dist- Thane-421204

Copy to: 1) Regional Officer, MPCB, Kalyan & 2) Sub-Regional Officer, MPCB, Kalyan-I. They are directed to ensure the compliance of consent conditions.
3) Chief Accounts Officer, MPCB, Mumbai 4] Cess Branch, MPCB. 5] Master file.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	225100	815341	18 Dec 2012	Canara Bank
2	25000	024876	28 Jan 2013	Axis Bank
3	25000	980670	26 Dec 2012	Canara Bank