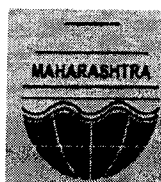


# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781  
/4037124/4035273  
Fax : 24044532/4024068 /4023516  
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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: 11/12/2012

Consent No: BO/PAMS/R/EIC NO.NM-3855-12/CAC- 1111

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 I.G.Petrochemicals Limited  
Plot No.- T- 2 MIDC Taloja.  
Tal-Panvel, Dist Raigad.

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: 31.07.2013
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Phthalic Anhydride	116110	MT/A
2	Benzoic Acid	1000	MT/A

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 416.00M<sup>3</sup>.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 12.0M<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	BOD 3 days 27 Deg. C	Not to exceed	100 mg/l
4	COD	Not to exceed	250 mg/l

5	Suspended Solids	Not to exceed	100 mg/l.
9	TDS	Not to exceed	2100 mg/l.
7	TAN	Not to exceed	50 mg/l.
8	Sulphates	Not to exceed	600 mg/l.
9	Chlorides	Not to exceed	1000 mg/l.
10	% Sodium	Not to exceed	60 % mg/l.
11	Bio Assay Test on fish should show 90 % survival in 96 hours		

(iv) **Trade Effluent Disposal:** The treated effluent shall be recycled / reused to maximum extent and remaining shall be sent to CETP for further treatment and disposal.

(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
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(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	...	14.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	521.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	2080.00CMD

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. Air pollution control system (scrubber, dust collector) of sufficient capacity should be provided to all emissions generating locations and operated properly.
- II. There shall not be any secondary (fugitive) emissions.

**b. Standards for Emissions of Air Pollutants:**

(i) SPM/TPM	Not to exceed	150 mg/Nm <sup>3</sup>
(ii) SO <sub>2</sub> from Boiler	Not to exceed	166 Kg/day
(iii) NO <sub>x</sub>	Not to exceed	50 ppm
(iv) SO <sub>2</sub> from process	Not to exceed	50 ppm

**c. Standards for Stack Emissions:**

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Furnace Oil	10.00	MT/Day
2	HSD	8.30	MT/Day

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler	55.00
2	HT oil Heater (2 Nos)	31.00 Each
3	Ventury Scrubber (2 Nos)	50.00 Each
4	D.G.set	15.00 *

\* installed above the roof of bldg

(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) 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.

(iv) 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.

**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. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES, 2008:**

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
01	1.6 Still bottle from distillation process	1255.80	No/M	Use as fuel heater
02	33.3 Discarded containers / barrels / liners	137.80	MT/A	Washed and reuse
03	34.3 Chemical sludge from Waste water treatment	12.00	MT/A	Sent to CHWTSDF
04	35.3 Spent Carbon	19.70	MT/A	Sent to CHWTSDF
05	36.2 Ash from incineration hazardous waste	6.00	MT/A	Sent to CHWTSDF
06	1.7 Spent catalyst and molecules sieve	55.00	No/A	Sent back manufacturer
07	5.1 Used oil / Spent Oil	25.00	MT/A	Sale CPCB /MP authorized reprocessors
08	15.2 Discarded asbestos	40.00	MT/A	Sent to CHWTSDF

- (ii) Treatment: - NIL

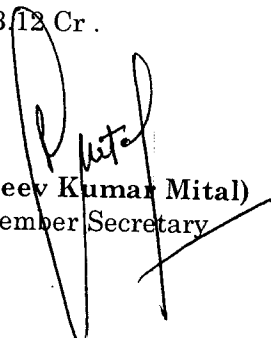
- a. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be

submitted to this office & concerned Regional Office/ Sub Regional Office.

8. 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.
9. **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.
10. The applicant shall strictly adhere to the Environment Clearance condition mention in the Environment Clearance No F.No J-11011/994/2007-IA-II(I) dated 0.3.12.2009.
11. Industry shall comply with the CREP guidelines
12. This consent is issued as per the decision taken in the meeting of the Consent Appraisal Committee of the Board held on 26 /11/2012.
13. This consent is amalgamated with earlier consent vide No MPCB/ZO(PAMS)/RONM/NM-8908-11/E/CC 94, dated 19/05/2011 valid upto 31/07/2013.
14. Industry should submit the Bank Guarantee of Rs 5.00 lakhs towards O & M of pollution system and to achieve consented standards and Bank Guarantee of Rs.2.00 lakhs to carry out feasibility study of Existing unit ETP within 15 days to Regional Officer, MPCB, Navi Mumbai.
15. The total Capital investment of the industry is Rs. 433.12 Cr .  
(Existing Rs 429.06 Cr + Expansion Rs 4.06 Cr )

  
(Rajeev Kumar Mital)  
Member Secretary

To,  
M/s I.G.Petrochemicals Limited  
Plot No.- T- 2 MIDC Taloja.  
Tal-Panvel, Dist Raigad.

Copy to :

1) RO Navi Mumbai / SRO Taloja.

They are directed to obtain BG of Rs 5.00 lakhs towards O & M and Rs.2.00 lakhs to carry out feasibility study of Existing ETP within 15 days and ensure the compliance of consent conditions.

2) CAO/Cess Branch/Master file.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	30100/-	760728	17 Apr 2012	SBI Bank
2	5000/-	760825	06 Jun 2012	SBI Bank