

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781

Fax : 24024068 / 24023516

Email : [mpcb@vsnl.net](mailto:mpcb@vsnl.net)

Visit At : <http://mpcb.gov.in>



Kalpataru Point, 2<sup>nd</sup> - 4<sup>th</sup> Fl.

Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai-400 022.

NM-2062-10

Red/L.S.I

Consent No: MPCBHQ/ROHQ/MUMBAI/CAC/O - 08

Date: 16 /11/2011

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

Bharat Petroleum Corporation Ltd.  
(Liquid Cargo Jetty),  
JNPT, At- Sheva, Tal- Uran  
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:31/12/2015
2. The Consent is valid for receipt and distribution of -

Sr. No.	Product Name
1	MTBE
2	benzene
3	toluene
4	Tri ethylene glycol
5	propylene
6	Sulphuric acid
7	2 Propylheptan-1=01
8	Biodiesel
9	paraxylene/mix xylene
10	butyl acrylate
11	methanol
12	phenol
13	acetic acid
14	Carbon Tetrachloride
15	Iso Nonyl alcohol
16	Meta Xylene
17	L.A.B



18	Lube oil
19	Isobutanol
20	Base oil
21	Ortho toluidine
22	Ally alcohol
23	glycerine
24	2-ethyl hexanol
25	C.B.F.S.
26	1,4, Butanediol
27	M.E.G/crude glycol
28	Ortho Xylene
29	Ethylene Di Amine
30	Ethanol
31	Ammonia
32	Palm Oil
33	Caustic soda
34	Diethylene Glycol
35	Propylene Glycol
36	Ethylene
37	Castor oil
38	Acetone
39	Edible oil
40	N Paraffin
41	I Butanol
42	Molassess
43	AHE-70
44	Vegetable Oil
45	aniline oil
46	Cholorform
47	AFS- Aromatic Feed Stock
48	Ethylene Di Chloride
49	Ethyl Acetate
50	Acetic Anhyride
51	Laury Mirystl alcohol
52	Poly Propylene
53	Butadiene
54	N-Hexane
55	Methyl ethyl ketone
56	Aromex
57	Butyl Acetate
58	Paraffin Oil
59	Vinyl Acetate
60	Meta methyl Acrylate
61	Palm Fatty Oil/Acid
62	Cyclohexane
63	Methylene Chloride
64	All A,B,C class of petroleum products
65	Luprant



66	Isobutyl Alcohol
67	Acrylonitrile
68	Methyl Isobutyl ketone
69	styrene monomer
70	Isopropyl Alcohol
71	phosphoric acid

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory should be Nil  
(ii) The daily quantity of sewage effluent from the factory should not exceed 4.00M<sup>3</sup>.  
(iii) Trade Effluent :

Treatment: The applicant should 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	Temperature	Should not exceed 5 c above the ambient temperature of the receiving body	
3	Oil & Grease	Not to exceed	10 mg/l
4	Suspended Solids	Not to exceed	100 mg/l.
5	Cyanide (as 'CN')	Not to exceed	0.2 mg/l.
6	Ammonical nitrogen (as N)	Not to exceed	50 mg/l.
7	Total residual chlorine (as Cl <sub>2</sub> )	Not to exceed	1.0 mg/l.
8	Cadmium (as Cd)	Not to exceed	2.0 mg/l
9	Nickel (as Ni)	Not to exceed	3.0 mg/l
10	Zinc (as Zn)	Not to exceed	5.0 mg/l
11	Chromium as Cr Hexavalent Total	Not to exceed	0.1 mg/l.
12	Copper (as Cu)	Not to exceed	3.0 mg/l.
13	Lead (as Pb)	Not to exceed	0.1 mg/l.
14	Iron (as Fe)	Not to exceed	3.0 mg/l.
15	Total metal	Not to exceed	10.0 mg/l.

- (iv) Trade Effluent Disposal: The metal bearing industrial effluent should be segregated and reused back into process and remaining treated effluent should use on land for gardening. There should not be any discharge outside the factory premises. The industry should become member of CETP as and when proposed. Industry should provide necessary facilities to recycle the entire industrial effluent back into the process in six months.
- (v) Sewage Effluent Treatment: The applicant should 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 should be soaked in a soak pit, which should be got cleaned periodically. Overflow, if any, should be used on land for gardening / plantation only.

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

Sr. No.	Type Waste	Quantity	UOM	Treatment	Disposal
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(viii) **Other Conditions:** Industry should monitor effluent quality regularly.

4. The applicant should 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	...	4.20 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	0.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	0.00CMD

The applicant should 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 should 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:**

Industry should provide dust collector of sufficient capacity to control the emissions.

Standards for Emission of VOC Pollutants:

Sr.No.	Petrochemical process/compounds	Maximum Emission limits Mg/Nm <sup>3</sup> , dry basis
1	MA, PA, Phenol	20
2	Ethyl Benzene(EB), PG	100
3	Non-methane HC(paraffin), Acetone	150

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) should 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 should 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 should 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) The applicant should observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
—	—	—	—

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

Sr. No.	Chimney Attached To	Height in Mtrs.
—	—	—

- (iii) The applicant should provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same should be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission should be designated by numbers such as S-1, S-2, etc. and these should be painted/ displayed to facilitate identification.
- (iv) The industry should 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 ambient air quality regularly.

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

- (i) The Industry should not generate any hazardous wastes.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
—	—	—	—	—

**9. Industry should comply with following additional conditions:**

- i. The applicant should 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 should 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 should take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant should 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, the applicant should stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant should 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 should 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 should pay to the Board for the services rendered in this behalf.
- vii. The applicant should make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm should 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 per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. An inspection book should be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant should 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 should be maintained.




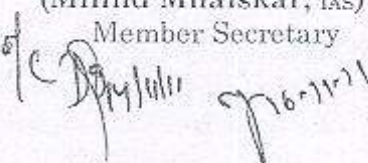
- xii. Separate drainage system should be provided for collection of trade and sewage effluents. Terminal manholes should be provided at the end of collection system with arrangement for measuring the flow. No effluent should be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent should find its way other than in designed and provided collection system.
- xiii. Neither storm water nor discharge from other premises should be allowed to mix with the effluents from the factory.

10. 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 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 process connected to it should be stopped.

11. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary.

12. This is issued with the approval of Consent Appraisal Committee of the Board in its meeting held on 09<sup>th</sup> October 2011.

12. The Capital investment of the industry is Rs. 16950Lacs.

  
 (Milind Mhaiskar, IAS)  
 Member Secretary  


To,  
 Bharat Petroleum Corporation Ltd.  
 (Liquid Cargo Jetty),  
 JNPT, At- Sheva, Tal- Uran  
 Dist. Raigad

Copy to:

- RO- Navi Mumbai /SRO- Taloja
- CAO/Cess Branch/Master File

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1.	847500	980030	15 Nov 2010	SBI Bank