

MAHARASHTRA POLLUTION CONTROL BOARD

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MSIHC/NM-366712/12

Red/L.S.I

Consent No. BO/RO(HQ)/CO/CAC- 301

Date: 18/Feb/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 & Transboundry Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

CONSENT is hereby granted to

M/s Bharat Petroleum Corpn. Ltd.
(Isolated LPG Storage)
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 31/01/2013
2. The Consent is valid for the manufacture of -

Sr. No.	Tank No.	Product Name	Maximum Quantity	UOM
1	T1	LPG	8000	KL
2	T2	LPG	8000	KL

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be Nil
- (ii) The daily quantity of sewage effluent from the factory shall be Nil

(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	Suspended Solids	Not to exceed	100 mg/l.
4	BOD 3 Days 27° C	Not to exceed	100 mg/l.
5	COD	Not to exceed	250.0 mg/l.
6	Total Dissolved Solids	Not to exceed	2100.0 mg/l

(iv) **Trade Effluent Disposal:** The treated effluent shall be used on land for irrigation/gardening only..

(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° 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:** The industry shall not generate any hazardous waste.

(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	...	0.00 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	...	120.00CMD

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 should install a comprehensive treatment and 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 within the prescribed limits.

Control Equipment: Flare stack of 50 Mtrs height with burner should be provided.

(ii) The Applicant may install 2 nos. of diesel generating sets (DG Sets), of capacity 2000 KVA and 750 KVA and shall be equipped with comprehensive

control system as is warranted with reference to generations of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 150 mg/Nm³
- (ii) SO₂ (DG Set) Not to exceed 2.0 Kg/day

(iii) The following measures shall be taken:

- a. Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, SPM, and RSPM.
- b. Applicant shall achieve following Ambient Air Quality standards.

1.	SPM Not to Exceed (Annual Average)	140	µg/ m ³
	Not to Exceed (24 hours)	200	µg/ m ³
2.	SO ₂ Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	80	µg/ m ³
3.	NO _x Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	80	µg/ m ³
4.	RSPM Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	100	µg/ m ³

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	246	Ltrs./hr.

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	DG Set	30.0

(vi) 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.

(vii) The industry should take adequate measures for control for 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 p.m.

(iv) **Other Conditions:**

- 1] The petroleum products shall be properly stored in tanks which shall be absolutely leak proof. At no stage of handling, there shall be leakage or spillage.
- 2] The necessary arrangement for collection & treatment of leachate / tank bottom generated underneath the storage tank shall be made along with provisions of Oil skimmers & necessary treatment arrangements for the same.

- 3] High level alarm synchronized with cut off capacity shall be provided to the storage tanks.
- 4] The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The hazardous waste generated in handling, storage and transport shall be disposed in accordance with Hazardous waste (Management & Handling) Rules 1989 & related amendments made therein.
- 5] The project authority shall prepare On-site & Off-site emergency preparedness plan based on detailed risk analysis.
- 6] The internal roads shall be cement concrete and shall be maintained with adequate green belt.
- 7] The working area of the pump shall be impermeable & covered with roof / shed.
- 8] Control Equipment: Industry shall make necessary provisions to arrest the emissions of volatile hydrocarbons to Environment by the way of volatile matter absorption system to the tank vent and monitoring arrangement.
- 9] The Industry shall regularly monitor the emission of Volatile Organic Compound particularly Benzene, Toluene and Xylene
- 10] The industry should monitor ambient air quality regularly from MoEF approved laboratory.
- 11] The industry should not cause any nuisance in surrounding area.

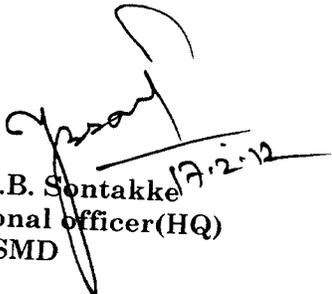
6. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES-2008:

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

7. 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 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.
- 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.
8. 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.
 9. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
 10. The Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the applicant.
 11. The applicant shall comply with the conditions stipulated in Environmental Clearance, granted by MoEF, GOI, vide No. 10-63/2008-IA-III dt.26/08/2008
 12. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary.
 13. The applicant shall submit a Bank Guarantee of Rs. 0--5,00,000/- (Rupees five lacs only) for installation of VOC monitor within four months.
 14. This is issued with the approval of Consent Appraisal Committee of the Board in its meeting held on 14th February 2011.
 15. The Capital investment of the industry is Rs. 283.58 Lacs.


 DR. Y.B. Sontakke
 Regional officer(HQ)
 I/c HSMD

To,
 M/s Bharat Petroleum Corpn. Ltd.
 (Isolated LPG Storage)
 Uran, Dist: Raigad

Copy to:

- a. RO-Thane /SRO-Thane-II
- b. CAO/Cess Branch/Master File

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	608000	231490	29 Nov 2011	SBI Bank