

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2nd, 3rd & 4th Floor,
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Sion (E), Mumbai-400022.

EIC No: NM-3783-12

RED/MSI

Consent No: BO/MPCB/RO(HQ)/NM/COR/B/MPCB/12/957 Date: 03/12/2012

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. Total Oil India Pvt. Ltd,
Plot No: A-26, TTC Industrial Area,
Rabale, Navi Mumbai, Maharashtra.

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 valid up to: **31/12/2015**.

2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity
1.	Lubricating Oils in various Packages [Without Using Used Oil / Waste Oil as raw Material]	80,000 MT/A

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed **0.3 M³**.
(ii) The daily quantity of sewage effluent from the factory shall not exceed **9.0 M³**.

(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	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	Ammonia nitrogen (as N)	Not to exceed	50 mg/l.
7	Total residual chlorine (as Cl ₂)	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 treated effluent shall be recycled to the maximum extent & remaining shall be used send to CETP. 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 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	Disposal
1.	Corrugated Carton Bags	5000 Kg/M	Sale to authrised party
2.	Wooden Pallets	20000 Kg/M	
3.	Metal / Aluminum Scrap	1000 Kg/M	
4.	Plastic Containers	2500 Nos/M	
5.	Cleaning Cotton rags	350 Kg/M	
6.	Plastic / Polythene Bags	1000 Kg/M	
7.	Stationary Waste	200 Kg/M	

(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 ... 14.0 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable ... 1.5 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic ... -- CMD
(iv) Gardening ... -- 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 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: Air Pollution control equipments of adequate capacity shall be provided to Furnace.**

Conditions For D.G. Set (500 KVA x 2-Nos) & 250 KVA:

1. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
2. 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.
3. 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 75 dB(A) during day time and 70 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.
4. 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.
5. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
6. 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.
7. The DG set shall be operated only in case of power failure.
8. The applicant should not cause any nuisance in the surrounding area due to operation of the DG set.
9. In case of problems, the DG Set shall not be operated until it is set back to satisfactory position.

6. Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 50 mg/Nm³
- (ii) SO₂ Not to exceed 38 Kg/Day

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

Sr. No.	Type Of Fuel	Quantity
1.	LDO	500 Ltrs/D
2.	HSD	1040 Ltrs/D

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1.	Thermic Fluid Heater	13.0
2.	D.G.Set (500 KVA x 2-Nos) & 250 KVA	3.0 Mtrs each above the roof

- (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.
- (v) **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.

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

- a. The industry shall accept hazardous waste brought in through MPCB Authorized Transporter only.
- b. The industry shall follow Manifest system strictly while transporting Hazardous Waste.
- c. The industry shall inform the Board in its returns regarding quantity of hazardous waste accepted & HW disposed by it during the year.

The Industry shall handle hazardous wastes as specified below,

Sr. No	Item No as per Sch-1	Type of Waste	Quantity	Disposal
1.	3.1	Waste & Residues	400 Kg/A	CHWTSDF
2.	3.3	Sludge & Filter Contaminated with oil	1200 Kg/A	CHWTSDF
3.	5.1	Used / Spent Oil	3000 Ltrs/A	Sale to authorised Recycler
4.	5.2	Waste residue containing Oil	2400 Ltrs/A	CHWTSDF
5.	20.2	Spent Solvents	600 Ltrs/A	Sale to authorised Recycler
6.	33.3	Discarded containers / barrels / Liners	400 Nos/A	Sale to authorised Party

- (i) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.
- (ii) The authorization is subject to the conditions stated below and sub conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.

8. 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.

9. 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.
10. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.
11. **Board reserves the right to cancel/Amend/ Revoke the consent any time as per the policy of the Board.**
12. **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 the 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.**
 - ix. **The industry shall submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Wastes (M, H & T) Rules, 2008 for the preceding year April to March in Form - IV by 30th June of every year.**

- x. 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.
- xiii. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- xiv. The authorization or its renewal shall be produce for inspection at the request of an officer authorized by the Maharashtra Pollution Control Board.
- xv. The person authorized shall not rent, land, sell, transfer or otherwise transport the Hazardous waste without obtaining prior permission of the Maharashtra Pollution Control Board.
- xvi. Any unauthorized change in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- xvii. It is the duty of the authorized person to take permission of the Maharashtra Pollution Control Board to close down the facility.
- xviii. All the conditions of this Consent shall be strictly implemented and the Consent Order shall be displayed at a prominent location in the factory premises.
13. This is issued pursuant to the decision of **Consent Committee** of the Board in its meeting held on **17th September 2012 and approval of Hon'ble Chairperson of Board.**
14. This consent is issued with the overriding effects to earlier consent issued Vide No: **BO/MPCB/RO(HQ)/Navi Mumbai/COR/B-50, dt: 27/05/2011, valid till: 31/12/2015.**
15. **The Capital investment of the industry is Rs. 81.85 Crore.**


(Rajeev Kumar Mital)
Member Secretary

To,
M/s. Total Oil India Pvt. Ltd,
Plot No: A-26, TTC Industrial Area,
Rabale, Navi Mumbai, Maharashtra.

Copy to:

- 1) Regional Officer, MPCB, Navi Mumbai
- 2) Sub-Regional Officer-II, MPCB, Navi Mumbai
- 3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of –

Sr. No.	Amount	DD. No.	Date	Drawn On
1.	Rs. 75,000/-	282191	06/09/2010	Standard Chartered Bank
2.	Rs. 3,00,000/-	462083	29/05/2011	
3.	Rs. 1,25,000/-	468827	25/11/2011	
4.	Rs. 1,75,100/-	471878	19/03/2012	

4) Cess Branch

5) Master File.