

## MAHARASHTRA POLLUTION CONTROL BOARD

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*Red/L.S.I*

*Date: 29/Jan/2013*

*Consent No: BO/PAMS/RO A/EIC No AM-4369/R/CAC/902*

**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 Hindustan Unilever Ltd.**  
C-9, MIDC Khamgaon  
Khamgaon-444303  
Buldhana, Maharashtra  
India

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: 31.12.2014
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Soaps	10500	Ton/M
2	Distilled Fatty Acids (DFA)	2200	Ton/M
3	Alcohol or Silicon base perfume recovery from aerosol can	4	Ton/M
4	Aluminium Scrap	6	Ton/M

Sr. No.	By-Product Name	Maximum Quantity	UOM
1	Crude Glycerin	200	Ton/M
2	Oil Pitch Residue	200	Ton/M
3	Distilled Fatty Acids	50	Ton/M

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 120.00 m<sup>3</sup>.  
(ii) The daily quantity of sewage effluent from the factory shall not exceed 70.00 m<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	Suspended Solids	Not to exceed	100.00 mg/l.
3	BOD 3 Days 27 degree C	Not to exceed	100.00 mg/l.
4	COD	Not to exceed	250.00 mg/l.
5	Oil & Grease	Not to exceed	10.00 mg/l.
6	TDS	Not to exceed	2100.00 mg/l.
7	Sulphates	Not to exceed	1000.00 mg/l.
8	Chlorides	Not to exceed	50.00 mg/l.
9	TAN	Not to exceed	3.0 mg/l.
10	Detergents	Not to exceed	5.0 mg/l.
11	Bioassay test 90% survival of fish after 96 hours in 100% effluent		

- (iv) **Trade Effluent Disposal:** The treated effluent should be reuse in the process to the maximum extent if any should be used on land for plantation. 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 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:**

Sr. No.	Type Waste	Quantity	UOM	Treatment & Disposal
1	Packing Material	330	Ton/Y	By sale to Recycler
2	Boiler Ash	11100	Ton/Y	By sale to Brick mfg. units
3	Crushed Aluminium	72	Ton/Y	By sale to Recycler authorized CPCB/MPCB

- (viii) **Other Conditions:** Industry should monitor effluent quality regularly from MoEF approved laboratory.

**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  | ... | 110.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable             | ... | 100.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 0.00 CMD   |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed       | ... | 290.00CMD  |

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:** Industry shall provide dust collector of sufficient capacity to control the emissions.

**b. Standards for Stack Emissions:**

- |    |                 |               |                          |
|----|-----------------|---------------|--------------------------|
| a. | SPM/TPM         | Not to exceed | 150.0 mg/Nm <sup>3</sup> |
| b. | SO <sub>2</sub> | Not to exceed | 2250 kg/Day              |

**6. Standards for Stack Emissions:**

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	LSHS/FO for oil fired boiler	1200	Kg/hr
2	Coal for coal fired boiler	2500	Kg/hr
3	HSD for 1000 KVA DG set	210	Kg/hr
4	LSHS/FO for Thermic fluid heater	177	Kg/hr
5	Coal/Briquette for coal fired Thermic fluid heater	833	Kg/hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Oil fired Boiler	70.00
2	Thermic Fluid Heater	32.50
3	Boiler (Coal Fired) & D.G. Set	36.40

- (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 from MoEF approved laboratory.

**7. 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

**8. 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	Disposal
1	5.1 Used /spent oil	10 KL/A	By sale to MPCB authorized recycler
2	33.3 Discarded containers / barrels / liners	12000.00 Nos/A	By sale to MPCB authorized recycler
3	34.2 Spent resin from DM Plant	10.00 KL/A	By sale to MPCB authorized recycler
4	34.3 Chemical sludge from waste water treatment	50.00 MT/A	CHWTSDF Butibori
5	3.7 Waste Oil	20.00 KL/A	By sale to MPCB authorized recycler
6	E-1 of Sch-II waste Deodorants/Perspirants	48.00 MT/A	CHWTSDF Butibori

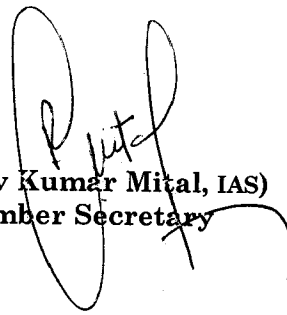
(ii) Treatment: - NIL

(iii) 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. 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 per 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'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 industry shall also comply with the Industry specific standards notified under Environment Protection Act
11. This consent shall not be construed as any exemption from obtaining necessary No Objection Certificate from other Government agencies as may be deemed fit necessary.
12. Industry shall submit the Bank Guarantee of Rs 5.00 lakhs within fifteen days in the favour of Regional Officer, Amravati towards operation & maintenance of pollution control system which will be valid upto 31/12/2014.
13. This consent is issued pursuant to decision of Consent Appraisal Committee meeting dated 08/01/2013
14. Capital investment of the industry is ₹. 134.61/- Crores.

  
(Rajeev Kumar Mital, IAS)  
Member Secretary

To,  
Hindustan Unilever Ltd.  
C-9 , MIDC Khamgaon  
Buldhana , Maharashtra  
Khamgaon -444303

Copy to:

- 1) Regional Officer, MPCB, Amravati } They are directed to obtain the Bank Guarantee of Rs 5.00 lakhs within fifteen days for period valid upto 31/12/2014 towards operation & maintenance of pollution control system & ensure the compliance of consent conditions.
- 2) Sub-Regional, Officer, MPCB, Akola } They are directed to ensure the compliance the consent conditions.
- 3) Chief Accounts Officer, MPCB, ,Mumbai

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	289532	777291	19 Nov 2012	SBI Bank
2	289532	777292	19 Nov 2012	SBI Bank
3	20306	777293	19 Nov 2012	SBI Bank
4	39695	777408	27 Nov 2012	SBI Bank