

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

*Red/L.S.I*

*Date: 30/01/2012*

**Consent No:** BO/JD PAMS/RO-KP/EIC No.KP-8834-11/R/CC-178

**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].

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CONSENT is hereby granted to

**Hindustan Unilever Ltd**  
Plot No. B-7, M.I.D.C Lote Parshuram,  
Tal-Khed, Dist. Ratnagiri, 415 722

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: 31.10.2014**
- 2. The Consent is valid for the manufacture of -**

Sr. No.	Product Name	Maximum Quantity	UOM
1	Noodles	4500	MT/M
2	Toilet Packed Soap	4200	MT/M
3	NSD Bar	5500	MT/M
4	NSD Powder	3000	MT/M

### **3. CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed **120.00 m3**.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **20.00 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	6.5 to 8.5
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 days 27°C	Not to exceed	100 mg/l
4	COD	Not to exceed	250 mg/l.
5	Oil & Grease	Not to exceed	10 mg/l
6	Detergents	Not to exceed	5.0 mg/l.
7	TAN	Not to exceed	50 mg/l.
8	Bioassay Test	90 % survival of Fish after 96 hrs. in 100 % effluent.*	

- (iv) **Trade Effluent Disposal:** The treated trade effluent shall be 100 % recycled/reused back to achieve zero discharge. There shall not be any discharge outside the factory premises.

Note:- It is clarified that so long as M/s. Hindustan Unilever Ltd., meets the discharge norms of effluent being discharged in to CETP sewage system, M/s. Hindustan Unilever Ltd. should not be penalized (Show cause Notice and Infrastructure Damages) for any inadequate performance of CETP and no legal action should be taken against M/s. Hindustan Unilever Ltd. for inadequate performance of CETP.

- (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
1	Wooden Box	0.00		Sale to Authorized party
2	Cut Wrapper Scrap	4.30	MT/A	Sale
3	Shredded Pouches	9.00	MT/A	Sale
4	Metal Scrap (MS SS A)	95.00	MT/A	Sale
5	Canteen /Waste	16.80	MT/A	Land Fill Vermicultur
6	Scrap Puttha	16.00	MT/A	Sale
7	Scrap Core	20.00	MT/A	Sale
8	Scrap CLD	11.00	MT/A	Sale
9	Bagasse Ash	8	MT/D.	Sale
10	Insulation Scrap	95	MT/A.	Sale

- (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                                   | ... | 50.00 CMD  |
| (ii)  | Water gets Polluted & Pollutants are Biodegradable | ... | 210.00 CMD |
| (iii) | Water gets Polluted, Pollutants                    |     |            |

are not Biodegradable & Toxic ...	0.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed ...	320.00 CMD
(v) Agriculture/Gardening ...	50.00 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:

1. Scrubber of sufficient capacity should be provided to the process emissions.
2. Dust collector of sufficient capacity shall be provided to limit the particulate matter to the following units  
A. Pulveriser B. Grinder C. Sieving D. Spray Drier E. Pneumatic Conveyor system.

#### 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

#### B) Standards for Stack Emissions:

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Furnace Oil	5.5	TPD
2	Baggasse Briquettes	4	TPD
3	HSD	4.32	KLD

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	MP Boiler	38.00
2	Air lift Bag Filter	28.00
3	Central Dust filter	26.00
4	Central Dust filter	15.00
5	Baggasse Boiler	38.50
6	D.G.Set (530 KVS)	6.50 (above the crest)
7	D.G.Set (750 KVS)	7.00(above the crest)
8	Premix Powder Bag Filter	8.00
9	Calcite Dolomite jumbo bag filter	30.00
10	China clay & soda ash jumbo bag filter	30.00
11	HP Boiler	38.50
12	Tower Bag Filter	24.00

- (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.

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

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

Sr. No.	Category	Type Of Waste	Quantity	Disposal
1	34.4	Chemical sludge, oil and grease skimming residues	72 T/Yr.	CHWTSDF Taloja
2	34.1	Flue gas cleaning residue*	6 T/Yr.	CHWTSDF Taloja
3	15.2	Discarded asbestos	As per repair work.	CHWTSDF Taloja
4	3.3	FO tank Bottom Sludge	2 T/Yr.	Sale to MPCB Authorize Recycler
5	33.3	Chemical Carboys	12000 Nos/Yr.	Sale to authorized reprocessor after

				decontamination
6	33.3	HDPE Drums	2040 Nos/Yr.	Sale to authorized reprocessor after decontamination
7	33.3	HDPE Bags	444 T/Yr.	Sale to authorized reprocessor after decontamination
8	33.3	MS Drums	410 Nos/Yr.	Sale to authorized party
9	28.1	Balck Detergent Powder	5 T/Yr.	Sale to authorized reprocessor
10	28.1	Soap Sludge	10 T/Yr.	Sale to authorized reprocessor
11	34.2	Toxic metal-containing residue from water purification	500 Ltrs/Yr.	CHWTSDF Taloja
12	5.1	Used /spent oil	15 T/Yr.	Sale to MPCB Approved party
13	34.3	ETP Sludge	22 T/Yr.	CHWTSDF-Taloja

(ii) Treatment: - NIL

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste
  2. The industry should comply with the Hazardous Waste (M&H) Rules, 2003.
7. Whenever due to any accident or release of gases 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 and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emissions 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 organizations as require under the law.
8. **General conditions**
- (i) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, no. of trees surviving as on 31<sup>st</sup> March of the year and no. of trees planted by September end.
  - (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
  - (iii) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. 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.
  - (iv) The firm shall submit MPCB, 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 before 30<sup>th</sup> September every year.
  - (v) The applicant shall install a separate 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. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.

- (vi) 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. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- (vii) 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. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) 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.
- (ix) The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
10. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
11. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
12. This Consent is issued pursuant to the decision of 18<sup>th</sup> CC meeting held on 12.01.2012 of the Board & with the approval of Hon'ble Chairman of the Board.
13. The capital investment for expansion is ₹ 75.67 Crore.

  
(Milind Mhaiskar, IAS)  
Member Secretary

To,  
M/s. Hindustan Unilever Ltd  
Plot No. B-7, M.I.D.C Lote Parshuram,  
Tal-Khed, Dist. Ratnagiri,-415 722

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	2,25,000	331464	28.07.2011	SBI
2	1,50,000	842565	21.12.2011	SBI