

# MAHARASHTRA POLLUTION CONTROL BOARD

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**RED/L.S.I**

**Date: 16/04/2013**

**Consent No: BO/AS(T)/R/EIC NO.AD-11781-12/CC- 3244**

**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 Garware Industries Ltd  
G.No.374 & 378, Gangapur,  
Aurangabad-Pune Road,  
P.O.Waluj, Dist-Aurangabad.**

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: 30.09.2014**
- 2. The Consent is valid for the manufacture of -**

Sr. No.	Product Name	Maximum Quantity	UOM
1	Single Ply Laminated Polyester film	20.0	MT/M
2	Two ply laminated Polyester film	25.0	MT/M
3	Safety film	12.0	MT/M
4	Off Grade single ply laminated film	8.0	MT/M
5	Off grade two ply laminated film	12.0	MT/M

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

- The daily quantity of trade effluent from the factory shall not exceed **27.0 M<sup>3</sup>**.
- The daily quantity of sewage effluent from the factory shall not exceed **3.0M<sup>3</sup>**.
- 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 deg 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	T.D.S	Not to exceed	2100
7	Sulphate	Not to exceed	1000
8	Chlorides	Not to exceed	600
9	Bio-assay test in fish shall show 90% survival in 96hrs		

(iv) **Trade Effluent Disposal:** The entire trade effluent shall be send to ETP provided by i.e M/s Garware Polyester Ltd, Aurangabad sister concern unit and treated effluent shall be used for own land gardening purpose.

(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	200	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	Treatment	Disposal
			-----N.A.-----		

(viii) **Other Conditions:**

1) 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	...	10.0	CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	7.0	CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	-----	CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	70.00	CMD
(v) Agriculture / 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:**

- I. Dust collector of sufficient capacity should be provided to control the emissions and operated properly.
- II. There shall not be any secondary (fugitive) emissions.

**b) Standards for Emissions of Air Pollutants:**

- |                      |               |                        |
|----------------------|---------------|------------------------|
| (i) SPM              | Not to exceed | 150 Mg/Nm <sup>3</sup> |
| (ii) SO <sub>2</sub> | Not to exceed | 216 kg/day             |

**c) Standards for emission of VOC Pollutants**

Sr. No.	Petrochemical Process / Compounds	Maximum emission limit (mg/Nm <sup>3</sup> ) dry basis
01	MA, PA, Phenol	20
02	Ethyl benzene ( EB), Styrene, Toluene, Xylene, Aromatics, EG, PG	100
03	Non-methane HC ( Paraffin), Acetone, olefins	150

(A) The industry shall phase out the Ozone Depleting Substances (ODS) as per ODS Rules 2000 and shall be informed to MPCB within a period of 3 months.

**GUIDELINES FOR FUGITIVE EMISSION CONTROL**

1. Fugitive emissions over reactors, formulation areas, centrifuges, chemicals loading, transfer areas etc. are yet to be collected through hoods and ducts by induced drafts and controlled by scrubber / dust collector.
2. Usually scrubbers installed for channelized emissions are used for fugitive emissions to control also & sometimes dedicated scrubbers are provided. This practice may be permitted as long as tail gas concentrations are within the prescribed limits.
3. In addition, organic gaseous emissions (odour & toxic) be routed to activated carbon beds (absorption) or to thermal oxidizer and for dust emissions cyclones / bag filters are to be provided.
4. Emphasis be given to solvent management / solvent loss prevention.
5. Enclosures to chemical storage area, collection of emissions from loading of raw materials. In particulars, solvents through hoods and ducts by induced draft, and control by scrubber / dust collector or to be ensured.
6. Vapour balancing, nitrogen blanketing ISO tanks etc. to be provided, besides special care needs to be taken for control in respect of odorous chemicals.

**Standards for Stack Emissions:**

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

Sr. No.	Type Of Fuel	Quantity	UOM
1.	Furnace Oil	28.00	KL / Day

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Furnace oil heater	32.0

- (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.

**6. 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	Quantit	UOM	Disposal
	Industry shall not generate any hazardous waste.			

- (ii) Treatment: - NIL

- 9 Whenever due to any accident or gas leakage 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 Collector, Directorate of Industry, Safety and Health, Police Station, Fire Brigade, Directorate of Health Services, Department of Explosives, Board and Local Body and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emission 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 organization as require under the law.

**10. Industry shall comply with following general 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 pre 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.
11. The consent should not be construed as any exemption from obtaining necessary NOC from other Government agencies as may deemed fit necessary.
  12. The industry shall also comply with the industry specific standards notified under Environment Protection Act.
  13. There is joint responsibility with sister concern unit i.e M/s Garware Polyester Ltd, Aurangabad for O & M of ETP.

14. This consent is granted as per decision taken in Consent committee meeting with following condition:-
- i. Industry shall submit Bank Guarantee of Rs 2 lakhs towards submission of Board Resolution for increased Capital investment by 30.04.2013 and Rs 5 lakhs towards O & M of pollution control system for a period of one year in favour of "Regional Officer, MPCB, Aurangabad" within 15 days.
15. This consent is issued as per the decision taken in the meeting of the Consent Committee of the Board held on 28/03/2013.
16. The Capital investment of the industry is Rs. 29.20 Cr. (Existing Rs. 16.37 Cr + Increased CI Rs 12.83 Cr)

(Rajeev Kumar Mital)  
Member Secretary

To,  
M/s Garware Industries Ltd,  
G.No. 374 & 378, Gangapur,  
Aurangabad-Pune Road,  
P.O.Waluj, Dist-Aurangabad.

**Copy to:**

- 1) Regional Officer, MPCB, Aurangabad 2) Sub Regional Officer, Aurangabad I  
They are directed to obtain BG of Rs 2.0 Lakhs from industry towards submission of Board Resolution for increased Cap. Investment by 30.04.2013 and Rs 5.0 lakhs towards O & M of pollution control system within 15 days, for a period of one year and ensure the compliance of consent conditions.
- 3) Chief Account Officer, MPCB, Mumbai, 4) Cess Branch, MPCB, 5) Master File.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	150000/-	135030	12.09.2012	Cosmos Co-op Bank
2	100/-	134793	03.09.2012	Cosmos Co-op Bank
3	50000/-	135759	19.12.2012	Cosmos Co-op Bank