


MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701		Kalpataru Point, 2 nd - 4 th Fl.
Fax: 24024068 / 24023516		Opp. Cine Planet Cinema,
Website: http://mpcb.gov.in		Near Sion Circle, Sion (E)
E-mail: mpcb@vsnl.net		Mumbai-400 022.

Red/L.S.I

Date: 18/04/2013

Consent No: BO/JD(APC)/EIC No.NM-4251-12/O/CC/CAE-3372

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. Asahi India Glass Limited,
Plot T-7, MIDC Talaja,
Raigad 410 208

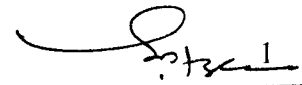
located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to: 31/12/2013.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Float Glass	15,000	T/Month
2	Energy efficient Glasses	3,000	T/Month

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 not exceed 111 M³.
- (iii) Trade Effluent : N.A.
- (iv) Trade Effluent Disposal: N.A.
- (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.



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) Fume extraction system followed by Scrubber of sufficient capacity should be provided to limit the air emissions shall be operated properly and continuously
- ii) Fume extraction system followed by dust collector of sufficient capacity should be provided at dust generating location shall be operated properly and continuously
- iii) There shall not be any secondary (Fugitive) emissions.

b. 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 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.
- 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

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	288	Litrs/Hr
2	Natural Gas	157MMBTU	MT

(II) Standards for Emissions of Air Pollutants :

- | | | | |
|-------|-----------------|---------------|------------------------|
| (i) | SPM/TPM | Not to exceed | 150 mg/Nm ³ |
| (ii) | SO ₂ | Not to exceed | 140 Kg/Day. |
| (iii) | Fluoride | Not to exceed | 5 mg/Nm ³ |

(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	Steel Strip	6	MT/M	Sale to Vendor
2	Waste Wood	24	MT/M	Sale to Vendor
3	Floor Sweepings	5	MT/M	Sale to Vendor
4	Polythene	0.13	MT/M	Sale to Vendor
5	Steel Scrap	8	MT/M	Sale to Vendor
6	Damaged Jumbo Bags	1.6	MT/M	Sale to Vendor
7	Plastic Scrap	0.11	MT/M	Sale to Vendor
8	Plastic Drums	50	Nos/M	Sale to Vendor
9	Metal Drums	18	Nos/M	Sale to Vendor
10	Used Cable & Wire	0.1	MT/M	Sale to Vendor
11	Rubber Tyres	8Nos	MT/M	Sale to Vendor
12	Rubber Hose/Belts	0.22	MT/M	Sale to Vendor
13	Used Cotton Handgloves	2	MT/M	Sale to Vendor
14	Interleaving Paper	0.16	MT/M	Sale to Vendor
15	Al Foil	0.03	MT/M	Sale to Vendor
16	Pet Strap	0.6	MT/M	Use as a manure for trees.
17	Interleaving Powder	0.07	MT/M	Sale to Vendor
18	Thermacol	0.05	MT/M	Sale to Vendor
19	Evafoam	0.02	MT/M	Sale to Vendor
20	Slag Dust	43	MT/M	Sale to Vendor
21	Cullet Dust	43	MT/M	Sale to Vendor
22	Plant Dust	30	MT/M	Sale to Vendor
23	STP Biological Sludge	2000	MT/M	Use as Manure

(viii) **Other Conditions:**

- The unit shall carry out monthly monitoring of treated domestic as well as industrial effluent and submit the report of the same to the Board regularly
- The unit shall take necessary efforts for segregation of solid waste at source only and disposal salable waste regularly. The records showing waste segregation at source to be maintained.
- The unit shall take necessary efforts regarding rain water harvesting every monsoosn.

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	...	123.0 CMD
(ii) Industrial Processing	...	0.0 CMD
(iii) Industrial Cooling	...	1160.0 CMD
(iv) Industrial Processing & floor washing	...	0.0 CMD
(iv) Agriculture / Gardening	...	100.0 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.

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Furnace	78.00
2	Dust Collector-I	30.00
3	Dust Collector-II	30.00
4	D.G.Set-1 (1550 KVA)	30.00
5	D.G.Set-2 (1550 KVA)	30.00
6	D.G.Set-3 (1550 KVA)	30.00
7	D.G.Set-4 (1550 KVA)	30.00

6. 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.
7. 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.

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
- 3) The D.G. Set shall be utilized as a standby power source and shall be operate only in case of power failure

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

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

Sr. No.	Schedule - I Cat. No. Type	Type Of Waste	Quantity	UOM	Disposal
1		Compressor Oil/Used Oil	900	Lit/M	Auth Reprocessor
2	5.1	Batteries (Utility & forklift)	60	Nos/Y	Auth Recycler
3	A1160	Discarded containers barrels / liners	100	Nos/Y	CHWTSDF
4	33.3	Flue gas cleaning residue	4000	Kg/Y	CHWTSDF
5	34.1	Used resins of the softner of water	100	Kg/M	CHWTSDF
6	23.1	Used oil filters/seperatirs	300	Nos/Y	CHWTSDF
7	5.1	Oil Socked Cotton	100	Kg/Y	CHWTSDF
8	5.2	E-Waste	5	Ton/Y	Auth Recycler
9	-	Tubeligts rods & bulbs	1200	Nos/yr	Auth Recycler

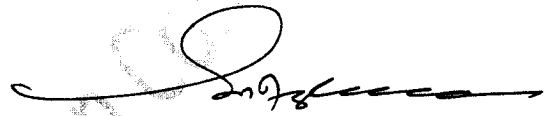
(ii) Treatment: - NIL

- a. 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.
- b. 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.
- c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the **Rule 5 of the Hazardous Wastes (Management, Handling & Transboundry Movement) Rules 2008** and shown & submitted to the Board as & when asked for.

9. 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 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. 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.

- x. 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. This issued with approval of Consent Appraisal Committee meeting of the Board held on dtd. 19/03/2013.**
- 11. You shall submit Bank Guarantee of Rs. 5/- Lakh in favor of Regional Officer Navi Mumbai within 15 days towards operation & maintenance of pollution control system. The Bank Guarantee shall be valid up to one year period.**
- 12. The Capital investment of the industry is Rs. 478.0 Crs.**
- 13. This is issued as per the empowerment granted vide office note dated 09/04/2013 (FTS 130412FT0039)**



(V. M. Motghare) 17/4/13
Joint Director (Air Pollution Control)

To,
M/s. Asahi India Glass Limited,
Plot T-7, MIDC Taloja,
Raigad 410 208

Copy to:

1) Regional Officer/Sub-Regional Officer, MPCB, Navi Mumbai/Taloja- They are directed to obtain the B.G. of Rs. 5/- Lakhs from the industry & submit the compliance report within 1 month.

3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	9,56,009	001441	17/10/2012	IDBI
2	75,000	6982181	24/12/2012	IDBI
3	79,668	002740	08/04/2013	IDBI