

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516
Email : enquiry@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),

Mumbai - 400 022

Red/L.S.I

Consent No: BO/AST/EIC.No-RD-2519-13/R/CC-2900

Date: 06/03/2015

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

Mahindra Composite Ltd.
S.N. - 178/O, Mangaon, Sale
Raigad, Mahad-402104
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: 31/03/2015.

2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Dough Moulding compound Fans	500	MTM
2	Sheet Moulding Compound	500	MTM
3	Moulded Components (including both activity)	80	MTM
4	Moulded Components of Resin Transfer moulding & hand layup process	8	MTM

3. CONDITIONS UNDER WATER ACT:

- The daily quantity of trade effluent from the factory shall not exceed 6.60M³.
- The daily quantity of sewage effluent from the factory shall not exceed 9.00M³.

(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:

pH	Between	6.0—8.5
Suspended Solids	Not to exceed	100 mg/l
BOD ₅ [(3 days at 27°C)]	Not to exceed	30.0 mg/l
COD	Not to exceed	250 mg/l
Phenolics as C ₆ H ₅ OH	Not to exceed	1.0 mg/l
Oil and Grease	Not to exceed	10.0 mg/l
Bio-assay test	Not to exceed	90% survival in 96 hours
Lead as Pb	Not to exceed	0.1 mg/l
Chromium as Cr Hexavalent	Not to exceed	0.1 mg/l
Total	Not to exceed	2.0 mg/l
Copper as Cu	Not to exceed	2.0 mg/l
Nickel as Ni	Not to exceed	2.0 mg/l
Zinc as Zn	Not to exceed	5.0 mg/l
Total heavy metals	Not to exceed	7.0 mg/l

(iv) **Trade Effluent Disposal:** The treated effluent shall be re-used/recycled to the maximum extent and remaining shall be used for gardening. 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 sent to 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	Scrap steel (LS & SS)	65.00	Kg/M	Sale
2	Waste paper, HDPE bags, Paper tube, etc.	2000.00	Kg/M	Sale
3	Packing Boxes	2000.00	Kg/M	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 | ... | 12.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable | ... | 7.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 6.00 CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed | ... | 0.20 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:

Industry shall provide dust collector/scrubber of sufficient capacity to control the emissions.

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 Emission of Air Pollutants:

1	SPM/TPM	Not to exceed	150 mg/Nm ³
2	SO ₂ (for HSD as fuel)	Not to exceed	19.2 Kg/day
3	SO ₂ (Process)	Not to exceed	50 ppm
4	Acid Mist	Not to exceed	35 mg/Nm ³

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	40.00	Ltrs/Tr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	D, G. Set (125 KVA)	3.00
2	Paint Spry Booth	4.80
3	Paint Spry Booth	5.20
4	D.G. Set (500 KVA)	3.00 above the roof level where the chimney is installed

- (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 AND TRANSBOUNDRY MOVEMENT) RULES, 2008:

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	21.1 Wastes and residues	5750.00	Kg/M	CHWTSDF
2	5.1 Used/spent oil	150.00	Kg/M	Sale to authorized party/CHWTSDF
3	26.3 Dust from air filtration system	150.00	Kg/M	CHWTSDF
4	33.3 Discarded containers / barrels / liners	2500.00	Nos/M	Sale to authorize Party/ CHWTSDF
5	34.3 Chemical sludge from waste water treatment	225.00	Kg/M	CHWTSDF

- (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.

- a. Whenever due to any accident or other unforeseen accident, such as fire occur or is apprehended to occur in excess of standards laid down, information shall be forthwith Reported to Board, concerned State office of Directorate of Health Services, Department of Explosive, Fire and

- 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 Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board when asked for.

7. 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 and moist 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, samples of trade and sewage effluents, air emissions and hazardous wastes from 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. 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.
- 8. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may be required, if fit necessary.**

9. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
10. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
11. This Consent is issued pursuant to the decision of 66th meeting of the Board 2013 held on 28/03/2013.
12. It was decided to grant first consent to operate for expansion and amalgamation with existing consent by imposing condition of Bank Guarantee of Rs. 5 Lakh towards O & M of pollution control System.
13. The Bank Guarantee of Rs. 5 Lakh, valid upto consent period shall be submitted at Regional Office MPCB Raigad within 15 days period.
14. The Consent is issued considering the request of industry for deleting the product GRP Pipes-1000 MT/M, hence reducing the investment to 10.40 Cr.
15. The Capital investment of the industry is Rs. 10.40 Cr.

(Ramesh Kumar Mhatre)
Member Secretary

To,
Mahindra Composite Ltd
S.N. - 178/O, Mangaon, Sale
Raigad, Mahad-402104
Maharashtra, India

Copy for information to:-
Regional Officer MPCB Raigad.
Sub-Regional Officer MPCB, Mahad
Chief Account Officer MPCB Mumbai

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	50000	325945	09 Oct 2012	SBI Bank
2	15000	325946	09 Oct 2012	SBI Bank