

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No: B.O/MPCB/AST/EIC No. RD-3242-16/R/CC- 7011
To,

Date- 25-05-2016

M/s. Merck Performance Materials Pvt. Ltd.
(formerly- M/s. Chemtreat Composites India Pvt Ltd)
S.No-108,110 &112, Savroli, Khalapur
Dist.-Raigad
Maharashtra-410203, India

Subject : Consent to operate with change in name - RED Category.
Ref : 1) Consent granted vide No-BO/AST/EIC No. RD-2505-
13/R/CC-01665 dtd-26/02/2013, valid upto-31/07/2017.
2) Your application for consent Dated: 23/02/2016.

For 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 under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The consent is granted for period up to 31/07/2017.
- The actual capital investment of the industry is 13.59 Cr. (As per C.A Certificate and letter submitted by industry)
- Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Silicone Resins	600	MT/A
2	Specialty Formulation	1000	MT/A
3	Products of silicone Resins	1000	MT/A
	BY Products:-		
1	Di-Ammonium Phosphate Solution	2000	MT/A
2	Ammonium Chloride	800	MT/A

- Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	5.00	As per schedule-I	Recycle/reuse
2.	Domestic effluent	4.00	As per Schedule-I	On land for gardening.

- Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1	Hot Water Unit (2 Nos)	1	As per Schedule -II
2	DG Set (320 KVA)	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. No.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Paper/ Plastic Waste	2 MT/Annum	---	Sale
2	Metal Scrap	5 MT/Annum	---	Sale
3	Drums / carbouys	75 Nos./Month	---	Sale

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Quantity & UoM	Disposal
1	34.3 Chemical sludge from waste water treatment	150.00 Kg/M	CHWTSDF
2	5.1 Used Oil	400 Ltr/Annum	Authorized recycler/re-processor/CHWTSDF
3	20.2 Spent solvents	300 Ltr/Annum	Authorized recycler/re-processor/
4	5.2 Used filter bag /cotton waste	100 Kg/Annum	CHWTSDF
5	Sch-II C-9 Organic silicon compounds	250.00 Kg/M	CHWTSDF
6	Lead Batteries	5 Nos/Annum	As per Battery (M & Rules)
7	E-waste	500 Kg/Annum	As per E-waste rules

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. The amendment in consent is granted with change in name. Industry shall restrict the production as per consent quantity only.
11. This consent is having overriding effect on earlier consent granted vide No. BO/AST/EIC No. RD-2505-13/R/CC-01665 dtd-26/02/2013, valid upto-31/07/2017.
12. This consent is issued as per the delegation of power to HOD's vide Board Office Order No. 31/2013 dtd.1/03/2013.



For and on behalf of the
Maharashtra Pollution Control Board

(P.K.Mirashe)

Assistance Secretary (Technical)

Received Consent fee of-

Sr. No.	Amount(Rs.)	DD No.	Date	Drawn On
1	125100/-	697701	15 Jun 2012	Hongkong Bank
2	12000/-	700063	18 Sep 2012	Hongkong Bank
3	40000/-	LPBOM Z83472	09 Mar 2016	

Copy to:

1. Regional Officer Raigad, Sub-Regional Officer-Raigad-I MPCB: - They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. Web site up-dation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

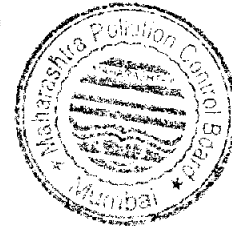
- 1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 5.0 CMD.
- B] The Applicant shall operate & maintain the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sl. No. Parameters		Standards prescribed by Board.
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	5.5 to 9.0
02	Suspended Solids	100
03	BOD 3 days 27 deg.0	100
04	COD	250
05	Oil & Grease	10
06	Total Dissolved Solids	2100
07	Chlorides	600
08	Sulphates	1000
09	Phosphates (as P)	5.0
10	Sulphide (as S)	2.0
11	Ammonical Nitrogen	50.0

- C] The treated effluent shall be recycled/reused back into the process so as to achieve zero liquid discharge (ZLD). There shall be no discharge outside industry premises.
- 2) A] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
- | | | | | |
|-----|-------------------|---------------|-----|-------|
| (1) | Suspended Solids. | Not to exceed | 100 | mg/l. |
| (2) | BOD 3 days 27oC. | Not to exceed | 100 | mg/l. |
- B] The treated sewage shall be soaked in a soak pit, which shall be got cleaned periodically, excess if any sewage shall be disposed on land for gardening/irrigation.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	15.0
2.	Domestic purpose	4.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	5.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	00

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

- As per your application, you have install the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Hot water Unit (2 Nos)	---	24.00	HSD/Bio-Diesel	1800 Ltr/Day	1	36
2	D.G. Set (320 KVA)	Acoustic enclosures	4.00*	HSD		---	---
3	Process stack	Ammonia Scrubber	18	---	---	---	---
4	Process stack	HCl Scrubber	18	---	---	---	---

*above the roof of building in which D.G set is installed.

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
- The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

TPM	Not to exceed	150 mg/Nm ³ .
Acid Mist/HCL	Not to exceed	35 mg/Nm ³
SO ₂ process	Not to exceed	50 mg/Nm ³

- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
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Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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 and conditions of this consent.
- 7) 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 per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled
- 9) /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 10) The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 11) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 12) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 13) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent (in case of Renewal of consent).
- 14) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
- 15) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 16) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the



- pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 17) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
 - 18) 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.
 - 19) The industry should not cause any nuisance in surrounding area.
 - 20) 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.
 - 21) The applicant shall maintain good housekeeping.
 - 22) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
 - 23) 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 of solid waste.
 - 24) The applicant shall not change or alter the 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
 - 25) 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.
 - 26) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
 - 27) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 28) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd: - 16.11.2009 as amended.

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