

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/L.S.I ()

No:- Format1.0/CAC/UAN No.0000092616/CE - 2009000339

Date: 07/09/2020

To,

M/s Pidilite Industries Limited,

Plot Nos. A-22/1 and A 21/2, MIDC Mahad, Tal. Mahad, Dist. Raigad.

Sub: Grant of Consent to Establish for proposed expansion

Ref:

1. Environment Clearance accorded by Env. Dept., GoM vide No. SEIAA-EC-0000002138 dtd. 28/02/2020.
2. Existing Consent to Operate No. Format 1.0/BO/AS(T)/UAN No. 0000003385/CC-2001000009 dtd. 04/01/2020 valid up to 31/01/2021.
3. Minutes of Consent Appraisal Committee meeting held on 03/07/2020.

Your application No.MPCB-CONSENT-0000092616 Dated 29.05.2020

For: grant of Consent to Establish under Section 25 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 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 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:

1. **The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.96.5152 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 79.8852 Crs + Expansion C.I. - Rs. 16.63 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Polymers based on Vinyl Acetate Monomer, Acrylate, Styrene, Ethylene monomers & Adhesives based on PVA	24900	MT/A

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	25.5	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	1	As per Schedule-I	On land for gardening

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

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
NA				

6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Waste papers, pallets, sweeping material etc.	60	MT/A	NA	Sale to Vendor/ Scrap Merchant
2	STP Sludge	33.6	MT/A	Drying	Used as Manure

7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used /spent oil	242	Ltr/A	Recycle/ Incineration	Sale to Auth. Party/ Recycler/ CHWTSDF
2	5.2 Wastes/residue containing oil	0.002	MT/A	Recycle/ Incineration	Sale to Auth. Party/ Recycler/ CHWTSDF
3	23.1 Waste Residue (Adhesives) from process	362.4	MT/A	Incineration/ Co-processing in Cement Industry	CHWTSDF/ Pre-Processor/ Co-processor
4	23.1 Residue including Filters from process	4.7	MT/A	Incineration/ Co-processing in Cement Industry	CHWTSDF/ Pre-Processor/ Co-processor
5	33.1 Discarded Containers/Barrels of Chemicals used in process/ Hazardous waste	16845	Nos./Y	Recycle	Sale to Auth. Party/ Recycler/ CHWTSDF
6	33.1 Liners used for HW /Chemicals drums from process	2433	Nos./Y	Recycle	Sale to Auth. Party/ Recycler/ CHWTSDF
7	35.3 Chemical sludge from waste water treatment	266.4	MT/A	Incineration/ Co-processing in Cement Industry	CHWTSDF/ Pre-Processor/ Co-processor
8	37.3 Evaporator Salts	10	MT/A	Incineration	CHWTSDF
9	Spent Carbon from ETP & STP	2.85	MT/A	Incineration	CHWTSDF
10	Spent Resin from DM Water Plant	1.0	MT/A	Incineration	CHWTSDF
11	Glass Wool	1.0	MT/A	Incineration	CHWTSDF

8. **Conditions under Batteries (Management & Handling) Rules, 2001:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Battery Waste	0.40	MT/A	Returned to battery manufacturer through authorized dealer on buy back procurement

Specific Conditions for used Batteries:

- The applicant shall ensure that used batteries are not disposed of in any manner other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
- The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
- Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. **Conditions under E-Waste Management:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	E-Waste	0.30	MT/A	Sale to Auth. E-waste Handler/ Recycler

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- Industry shall upgrade/ modify existing ETP so as to take up additional trade effluent load of 25.5 CMD.
- Industry shall operate & maintain ETP so as to achieve Consented standards and 100% recycle/ reuse treated trade effluent that will be generated from expansion i.e. restrict discharge of 30.5 CMD treated trade effluent into CETP.
- Industry shall comply with the conditions stipulated in the Environment Clearance dtd. 28/02/2020.
- Industry shall furnish Bank Guarantee of Rs. 5 Lakh towards compliance of Environment Clearance & Consent to Establish conditions.

For and on behalf of the
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),
Member/Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	125000.00	TXN2006000280	08/06/2020	Online Payment

Copy to:

- Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Mahad
- They are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Sion, Mumbai
- CC-CAC Desk- for record & website updating purpose.



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A) As per your application, you have proposed to upgrade existing ETP by increasing total capacity of ETP from 50 CMD to 80 CMD consisting of primary, secondary treatment tertiary treatment followed by RO and Evaporator for the treatment of additional 25.5 CMD trade effluent that will be generated from expansion.
B) The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
2. A) As per your application, you have proposed to treat 1 CMD domestic effluent in existing Sewage Treatment Plant of designed capacity 20 CMD with MBBR technology along with existing 8 CMD of sewage.
B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards	
1	BOD	Not to exceed	30 mg/l
2	SS	Not to exceed	100 mg/l

- C) The treated sewage shall be applied on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside factory premises.
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 there of & 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) Act, 1974 and as amended, by installing water meters 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	42.00
2.	Domestic purpose	2.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	66.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0



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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:

Not Applicable

SCHEDULE-III

Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	CTE (Expansion)	500000	Within 15 days	Towards compliance of EC & consent to establish conditions	31.07.2025	30.11.2025

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				



SCHEDULE-IV
General Conditions:

1. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
2. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.
5. The Energy source for lighting purpose shall preferably be LED based
6. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
7. The applicant shall maintain good housekeeping.
8. 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.
9. 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.
10. 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.
11. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
12. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
13. 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.
14. 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.



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15. The PP shall provide personal protection equipment as per norms of Factory Act
16. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
17. 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.
18. 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.
19. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /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.
20. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
21. 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).
22. 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.
23. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
24. The industry should not cause any nuisance in surrounding area.
25. 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.
26. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
27. 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.
28. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.



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29. 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.
30. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
31. 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.
32. The firm shall submit to this office, the 30th day of September every year, the Environment 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.
33. 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.
34. 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).
35. 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.