

# MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No. Format 1.0/BO/CAC-Cell/UAN No. 0000068426/E/8<sup>th</sup> CAC- 1909000981  
Date-25/09/2019

To,  
M/s Mangalam Organics Limited,  
S. Nos. 17/5, 17/A, 17/3A, 18/1A, 18/2A, 19/3, 19/4, 20/0,  
21/1, 21/3, 21/4, 21/5, 22/2, 23/2, Village Kumbhivali,  
Tal. Khalapur, Dist. Raigad.

Subject: Grant of Consent to Establish for proposed expansion under Red/LSI category.

- Ref.: 1. Existing Consent to Operate No. Format 1.0/CAC-Cell/UAN No. 0000033838/CAC-1805000851 dtd. 18/05/2018 valid up to 28/02/2020.  
2. Environment Clearance F. No. J-11011/154/2012-IA II (I) dtd. 31/03/2016.  
3. Minutes of Consent Appraisal Committee meeting held on 06/08/2019.

Your application UAN No. 0000068426

Dated: 06/03/2019

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 expansion unit or up to 5 year whichever is earlier.
2. The capital investment of the industry is Rs. 119.39 Crs (Existing C.I.- Rs. 88.39 Crs + Proposed Expansion- Rs. 31 Crs) as per C.A. Certificate/ undertaking submitted by industry.
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity & UOM
1	Alphapinene (95%)	200 MT/M
2	Polyester Resin	100 MT/M
3	Phenolic Resin	800 MT/M
4	Alkyd Resin	300 MT/M
5	Coating	500 MT/M
6	Rosin Easter	150 MT/M
7	Maleic Modified Resin	75 MT/M
8	Phenolic Modified Resin	75 MT/M
9	PVC Chemicals	500 MT/M
10	Camphene	200 MT/M
11	Dipentene	350 MT/M
12	Ketonic Resin	100 MT/M
13	Polyamide Resin	100 MT/M

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

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal of treated effluent
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1	Trade effluent	23	As per Schedule -I	100% recycle/ reuse into process & for utility purposes so as to achieve Zero Liquid Discharge (ZLD)
2	Domestic effluent	1.6	As per Schedule -I	

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

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1	Boiler (10 TPH)	1	As per Schedule -II

6. Conditions about Non-hazardous Wastes:

Sr. No.	Type Of Waste	Quantity & UOM	Treatment	Disposal
1	Fly Ash	20 MT/M	--	Sale to Brick Manufacturers

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

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal	
1	Wastes & residues		23.1	1	MT/A	--	CHWTSDF
2	ETP sludge		35.3	1	MT/A	--	CHWTSDF

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. Industry shall upgrade existing ETP to take care of the additional effluent that will be generated from expansion and 100% recycle of treated effluent into process, cooling tower make up, fire-fighting, air-conditioning etc. so as to achieve ZLD outside the industry premises.
11. Industry shall comply with the Environment Clearance (EC) conditions.
12. Industry shall not carry out excess production or produce new product without obtaining Consent to Operate from the Board.
13. Industry shall furnish Bank Guarantee of Rs. 10 Lakh towards compliance of the EC & 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.)	DD/DR/NEFT/RTGS/TRXN No.	Date	Drawn On
1	Rs. 75,000/-	TXN1904000076	01/04/2019	--

Copy to:

1. Regional Officer (Raigad)/ Sub-Regional Officer (Raigad-I), M.P.C. Board.  
-They are directed to ensure the compliance of the Consent conditions.
2. Chief Accounts Officer, M.P.C. Board, Mumbai.
3. CC/CAC desk- for record & website updating purposes.

### Schedule-I

#### Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to treat 23 CMD industrial effluent in existing Effluent Treatment Plant (ETP) with the design capacity of 75 CMD consisting of primary, secondary, tertiary level treatment followed by RO & MEE along with 43.6 CMD of industrial effluent.

B] The treated trade effluent shall be 100% recycled/ reused into process & for utility purposes so as to achieve Zero Liquid Discharge (ZLD). In no case, effluent shall find its way outside Company's premise.

2) A] As per your consent application, you have proposed to treat 1.6 CMD sewage in existing Sewage Treatment System of designed capacity 17 CMD along with 13 CMD of sewage.

B] The Applicant shall operate the sewage treatment plant 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 27°C	Not to exceed	100	mg/l.

C] The treated sewage shall be recycle for utility purposed to the maximum extent and remaining shall be applied on land for gardening within premise. In no case treated sewage shall be disposed of 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 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 /and 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.

4) The Applicant shall consume water as follows:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1	Industrial Cooling, spraying in mine pits or boiler feed	30
2	Domestic purpose	2
3	Processing whereby water gets polluted & pollutants are easily biodegradable	2
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	--
5	Others - Gardening	0.1

5) 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:

1. As per your application, you have proposed to provide the Air pollution control (APC) system and to erect following stack and to observe the following fuel pattern-

Sr. No.	Stack Attached to	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO <sub>2</sub> Kg/Day
1	Boiler (10 TPH)	Dust Collector	33	Coal	540 Kg/Hr	0.5	129.6

2. 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.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Total Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
SO <sub>2</sub> (Process)	Not to exceed	50 ppm
Acid Mist/ HCl	Not to exceed	35 mg/Nm <sup>3</sup>

#### Standards for Emissions of VOC Pollutants:

Sr. No.	Compounds	Maximum emission limit (mg/Nm <sup>3</sup> ) dry basis
1	MA, PA, Phenol	20
2	Ethyl Benzene (EB), Styrene, Toluene, Xylene, Aromatics, EG, PG	100
3	Non-Methane HC (Paraffin), Acetone, Olefins	150

4. 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.
5. 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**

**Details of Bank Guarantees**

Sr. No.	Consent (C to E/O/R)	Amt. of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E (Expansion)	Rs. 10 lakh	Within 15 days	Towards compliance of the EC & Consent to Establish conditions	30/09/2024	Up to 31/01/2025

*Maharashtra Pollution Control Board*

#### 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 equipment, 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 Hazardous & Other Waste (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.
- 9) The industry should comply with the Hazardous& other Waste (M,H& TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & other Waste (M,H & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) **The applicant shall obtain Consent to Operate from the Board prior to commissioning of the expansion unit/ activity.**
- 12) 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](http://www.mpcb.gov.in)).
- 13) 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.
- 14) 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.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

- 16) 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.
- 17) The industry should not cause any nuisance in surrounding area.
- 18) 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.
- 19) The applicant shall maintain good housekeeping.
- 20) 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 31<sup>st</sup> March of the year and number of trees planted by September end, with the Environment Statement.
- 21) 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.
- 22) 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 equipment 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.
- 23) 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.
- 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 25) 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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