

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/LSI

Consent No. BO/JD PAMS/RO-KP/EIC -KP-7465-11/E/ CC- **535** Date **28/08/2012**

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 / 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

M/s. Vinati Organics Ltd., (Expansion)
Plot No. A-20, MIDC Lote,
Tal. Khed, Dist. Ratnagiri.

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 Establish is granted for a period up to - Commissioning of the Unit or five years which ever is earlier.**
2. **The Consent is valid for the manufacture of -**

Sr. No.	Products	Maximum Qty.
1	Acryl Amido Methyl propane Sulphonic Acid (AAMPS)	1050 MT/M
	By-Products	
	N-Tertiary Butyl Acrylamide (TBA)	62 MT/M
	OR	
	Tertiary Butyl Amine	62 MT/M
	Sodium Polyacrylate	173 MT/M
	Polymer Powder – VIN CAP	326 MT/M
	Calcium Sulphate (CaSO4)	361 MT/M
	OR	
	Polymer Powder – VIN SAP	509 MT/M
	Sodium Sulphate	462 MT/M
2	50% solution of Sodium Acryl Amido Methyl Propane Sulphonic Acid (Na- AAMPS)	400 MT/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed **475 M³**.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **10 M³**.

(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 recycle in your process.

- (iv) **Trade Effluent Disposal :** The trade effluent shall be treated by Reverse Osmosis & 100% recycled in the process, to achieve **zero discharge**. The treated

trade effluent shall not be discharged into CETP. In no case, trade effluent shall find its way to local Nalla. The RO-reject generated shall be reused in polymer solution before spray drying.

- (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 recycled/reused in the process only.

- (vii) **Non-Hazardous Solid Waste:**

<u>Sr. No</u>	<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment & Disposal</u>
1.	Fly/Bottom ash from boiler	661 T/M	Shall be send to Cement/bricks Manufacturer
2.	Waste Paper	120 kg/yr	sale to authorized party
3.	Scrap wooden pallets	120 Nos./yr	sale to authorized party
4.	Waste PP bags, packing materials	120 kg/yr	sale to authorized party
5.	All types of material scrap	24 MT/yr	sale to authorized party
6.	Canteen/ kitchen waste	240 MT/yr	composting
7.	STP sludge	36 kg/M	composting/use for gardening

- (viii) **Other conditions:** ...

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 Rules there under: The daily water consumption for the following categories is as under:

(i) Domestic	10	CMD
(ii) Industrial Processing	16	CMD
(iii) Industrial Cooling/boiler	874	CMD
(iv) Agriculture/Gardening	--	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 :

1. Scrubber of adequate capacity shall be provided to limit the air emissions.
2. Ventury Scrubber/ bag filter of adequate capacity shall be provided to boiler to limit the air emissions.

B) Standards for Emissions of Air Pollutants :

(i)	SPM/TPM	Not to exceed	150 mg/Nm ³
(ii)	SO ₂	Not to exceed	1.58 T/day
(iii)	SO ₂ (Process)	Not to exceed	50 ppm
(iv)	HCl	Not to exceed	35 mg/Nm ³
(v)	Chlorine	Not to exceed	3 ppm

C) Conditions for D.G. Set :

1. Noise from D.G.Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
2. 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.

3. 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.
4. Industry should make efforts to bring down noise level due to D.G. set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
5. Installation of D.G. set must be strictly in compliance with recommendations of D.G. set manufacturer.
6. A proper routine and preventive maintenance procedure for D.G. set should be set and followed in consultation with the D.G. manufacturer which would help to prevent noise levels of D.G. set from deteriorating with use.
7. D.G. set shall be operated only in case of power failure.
8. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. set.

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

Sr.No.	Type of Fuel	Quantity
1.	Coal	157.34 TPD

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

Sr.No.	Chimney attached to	Height in Mtrs.
1.	Boiler	50
2.	DG Set (1500 KVA)	7.8*
3.	DG Set (125 KVA)	2.5*

(* above the height of building where the DG set is installed)

- (iv) 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 & TRANSBOUNDARY MOVEMENT) RULES, 2008:**

(i) The applicant shall handle hazardous wastes as specified below:

Sl.	Item No. of process generating HW as per Schedule-I	Type of Waste	Quantity	Disposal
1	5.1	Used/ Spent Oil	1200 Lit/Yr	Sale to authorized reprocessor
2	34.3	ETP Sludge	1200 Kg/Yr	CHWTSDF
3	5.2	Waste/residues containing oil	400 lit/yr	Sale to authorized reprocessor
4	33.3	Discarded Containers/ barrels /liners used for H. W. Chemicals	10 Nos. /M	Return to Party/Sale to authorized scrap vendor
5	35.3	Spent Carbon	5 MT/Yr.	CHWTSDF
6	34.3	ETP Sludge	1200 Kg/yr	CHWTSDF

7	28.2	Spent catalyst/ spent carbon	5 MT/yr	CHWTSDF
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(ii) Treatment : --

(iii) The authorisation is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.

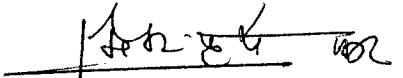
7. Whenever due to any accident or release of gases or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emissions and ensure that the emissions do not cause any harm or nuisance in the surrounding. The industry should not restart the process without permission of the Board and other statutory organizations as require under the law.

8. **General Conditions :**

1. The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area/inhabitants.
2. 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.
3. 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.
4. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the 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 and conditions of this consent regarding pollution levels.
5. 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.
6. 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.
7. The applicant shall make an application for renewal of the consent at least 60 days before the date of expiry to the consent.
8. 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.
9. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
10. 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.
11. 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 down stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
12. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
13. 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.

9. The consent should not be construed as any exemption from obtaining necessary NOC from Other Govt. agencies as deem fit necessary.

10. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
11. This consent is issued as per the industries letter dtd. 12/06/2012 and Environment Department, Govt. of Maharashtra letter dtd. 1/3/2011 & 3/12/2011.
12. This consent is issued by overriding earlier consent no. BO/JD PAMS/RO-KP/EIC - KP-7465-11/E/ CC- 196 Date: 06/02/2012.
13. This is issued with the recommendation of Consent Committee meeting held on 25.08.2011 of the Board.
14. The capital investment for expansion is Rs. 94 Crs



(Milind Mhaiskar, IAS)
Member Secretary

To,
M/s. Vinati Organics Ltd., (Expansion),
Plot No. A-20, MIDC Lote, Tal. Khed, Dist. Ratnagiri.

Copy to:

- 1) Regional Officer, MPCB, Kolhapur / Sub-Regional Officer, MPCB, Chiplun.- They are requested to ensure the compliance of consent conditions.
- 3) CAO 4) Cess Branch 5) Master File

Received Consent fee of -

Amount	D.D. No.	Date	Drawn on
Rs. 75,100/-	249039	12/05/2011	SBI
Rs. 50,000/-	308348	03/10/2011	SBI

Maharashtra Pollution Control Board