

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I EIC no. RD-1870-11

Date: ~~Dec-2011~~ 4/11/2012

Consent No: MPCBHQ/Raigad/AST/Operate(amend)/CC-107

Consent to Establish & Operate under Section 25 & 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 (Management, Handling & Transboundary Movement) Rules 2008, as amended to date.

[To be referred as Water Act, Air Act and HW (M,H & TM) Rules respectively].

CONSENT is hereby granted to

Laxmi Organics Industries Ltd
Plot No A 22/2/3, MIDC Mahad, Dist Raigad,
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(A). The Consent to Establish is granted for a period upto – Commissioning of the Unit or five years which ever is earlier.

2(A). The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Electric Power(CPP) (using Waste Heat Recovery Boiler without any auxiliary fuel)	4.8	MW

1(B). The Consent to Operate is granted for a period up to: 30.04.2012.

2(B). The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Acetic Acid	200	MT/M
2	Ethyl Acetate	7850	MT/M
3	Absolute Alcohol	500	MT/M
4	Butyl Acetate	200	MT/M
5	Paraldehyde	15	MT/M
6	Dilute Acetic Acid	100	MT/M

3. CONDITIONS UNDER WATER ACT:

- The daily quantity of trade effluent from the factory shall not exceed 239.00M³.
- The daily quantity of sewage effluent from the factory shall not exceed 40.00M³.

(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:

1	pH	Between	5.5 to 9.0
2	Oil & Grease	Not to exceed	10 mg/l
3	Suspended Solids	Not to exceed	100 mg/l.
4	BOD 3 days 27 deg.C	Not to exceed	100 mg/l.
5	COD	Not to exceed	250 mg/l.
6	TDS	Not to exceed	2100 mg/l.
7	Chlorides	Not to exceed	600 mg/l
8	Sulphates	Not to exceed	1000 mg/l
9	% Sodium	Not to exceed	60 mg/l

(iv) **Trade Effluent Disposal:** The treated effluent shall be recycled/ reused to the maximum extent and remaining shall be discharged into CETP.

(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 27o C. Not to exceed 100 mg/l.

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a 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	Treatment	Disposal
1	Coal Ash	6.00	MT/Day		Sale to Brick Manufacturer

(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 ... 54.00 CMD
- (ii) Water gets Polluted & Pollutants are Biodegradable ... 246.00 CMD
- (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic ... 0.00 CMD
- (iv) Industrial Cooling, spraying in mine pits or boiler feed ... 1668.00 CMD
- (v) Agriculture/gardening ... 3.00 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) Air pollution control equipments such as scrubber, cyclone dust collector, Bag filter of adequate capacity should be provided to limit the emissions.
- 2) Wet scrubbing system shall be provided to coal-fired boiler so as to limit the emissions.

b. Standards for Emissions of Air Pollutants :

(i)	SPM/TPM	Not to exceed	150	mg/Nm ³
(ii)	SO ₂	Not to exceed	1984.08	kg/day
(iii)	HCl	Not to exceed	35	mg/Nm ³
(iv)	Cl ₂	Not to exceed	3	ppm

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Coal	109.20	MT /day
2	Furnace Oil	11.80	KL /day

(Industry shall utilize total Furnace oil- 26.92 Kl/day till new boiler-VI is ready for operation)

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler-I (Stand-by)	30.00
2	Boiler-II-Oil Fired (Stand-by)	30.00
3	Boiler-III (Stand-by)	32.00
4	Boiler-IV Stand-by)	30.00
5	Oil/Coal Fired Boiler (Stand-by)	30.00
6	Boiler-VI	50.00

(Boiler I to V will be standby when the Boiler-VI is in operation)

(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.

(v) 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:

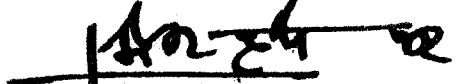
(i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	34.3 Chemical sludge from waste water treatment	7.00	MT	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.
7. 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.
8. General Conditions :
- a. 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.
 - b. 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.
 - c. 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.
 - d. 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.
 - e. 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.
 - f. 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.
 - g. 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.
 - h. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
 - i. 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.
 - j. 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.
 - k. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
 - l. 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 applicant shall make an application for renewal of the consent at least 60 days before the date of expiry to the consent.

10. The applicant shall obtain Consent to Operate before Actual Commencement of the production activity of product mentioned at this consent condition no. 1(A).
11. The consent shall not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
12. This Board reserves the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.
13. As per the EIA notification (amendment) dtd. 01.12.2009, the Power generation plant using Waste Heat Recovery Boiler without any auxiliary fuel is exempted.
14. As per the para no.1 of MoEF circular dtd. 14.12.2006 (clarification regarding EIA clearance for change in product mix), Changes in the quantities or numbers of products may be allowed without prior Environmental Clearance by the concerned State Pollution Control Board provided such changes in the quantities of products are in the same category and are within the previously granted overall total limits.
15. This consent is issued with an overriding effect to the previous consent issued by the Board vide no. BO/ PCI-I/ RO-Raigad/0800-07/Amend/CC-43 dated 10/06/2008.
16. This consent is issued with the recommendation of Consent Committee Meeting held on 01.12.2011 of the Board and with the approval of the Hon'ble Chairman of the Board.
17. The additional Capital Investment is ₹ 48.82/- crores. Total capital investment is ₹ 90.32/- crores.

For and on behalf of the
Maharashtra Pollution Control Board


(Milind Mhaskar, IAS)
Member Secretary

To,
M/s Laxmi Organics Industries Ltd
Plot No A 22/2/3, MIDC Mahad,
Dist Raigad

Copy to:
RO-Raigad / SRO-Mahad / CAO / Cess Branch / Master File

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	50000	506551	15 Dec 2010	SBI Bank
2	25000	408970	14 Dec 2011	SBI Bank