


MAHARASHTRA POLLUTION CONTROL BOARD

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E-mail: ast@mpcb.gov.in		Mumbai-400 022.

Red/L.S.I

Date: 27/08/2013

Consent No: BO/AST/Pune/EIC No PN-16274-12/R/CC/ 7153

Consent to Established 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 & Transboundry Movement) Rules 2008

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

CONSENT is hereby granted to

**M/s Venkateshwara Hatcheries Pvt. Ltd
(Ventri Bio. Vaccine Div)**

**Plot No. 20, Rajeev Gandhi ITBT Park
Hinjewadi, Village- Man, Tal-Mulshi, Dist-Pune**

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:

- The Consent to Establish is granted for a period up to: Commissioning of the unit or Five years whichever is earlier.**
- The Consent is valid for the manufacture of -**

Sr. No.	Product Name	Maximum Quantity
1	Poultry vaccines	500 Million doses/Month

3. CONDITIONS UNDER WATER ACT:

- The daily quantity of trade effluent from the factory shall not exceed 7.0 M³.
- The daily quantity of sewage effluent from the factory shall not exceed 0.5 M³.
- 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:

Sr. No.	Parameter	Standard	Limit
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 ° C	Not to exceed	100 mg/l.
5	COD	Not to exceed	250 mg/l.
6	TDS	Not to exceed	2100 mg/l.
7	Sulphates	Not to exceed	1000 mg/l
8	Chlorides	Not to exceed	600.0 mg/l

S. S. S. S.

- (iv) **Trade Effluent Disposal:** The treated effluent shall be recycled /reused to the maximum extent & remaining shall be used on land for gardening
- (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	Disposal
1	Non hazardous ETP sludge	1 MT/M	Use as manure

- (viii) **Other Conditions:** Industry should monitor effluent quality regularly from MoEF approved laboratory

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 | ... | 1.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable | ... | 10.00 CMD |
| (iii) Water gets Polluted; Pollutants are not Biodegradable & Toxic | ... | 0.00 CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed | ... | 0.00CMD |

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:** Industry shall provide necessary APC devices to control the emissions.

b. **Standards for Stack Emissions:**

- | | | | |
|----|-----------------|---------------|------------------------|
| a. | SPM/TPM | Not to exceed | 150 mg/Nm ³ |
| b. | SO ₂ | Not to exceed | 105 kg/Day |

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	LDO	25.0	Lt/Hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Incinerator (100 kg/Hr)	30

- (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. Standards for Incinerator as per CPCB guidelines :

Applicant shall provide and/or upgrade the existing incinerator so as to comply the following standards and conditions.

A] Emission limit of Incineration while operating properly at 100 % rated capacity, shall have an emission limit from the discharge stack to atmosphere of less than or equal to :

Parameter	Emission limit (mg/Nm ³)
Particulate Matter	50
HCl	50
SO ₂	200
CO	100
Total Organic Carbon	20
HF	4
NO _x	400

All values corrected to 11% oxygen on a dry basis.

- B] Hydro carbons 10 ppm over an hourly rolling average dry basis, measured as propane.
- C] Capacity : While operating properly at 100% rated capacity, the system shall be have a visible emission rate of less than or equal to 10% except for condensed water vapour from the discharge stack to atmosphere (one hour rolling averages).
- D] Dioxin Furans : While operating properly at 100% rated capacity, the system shall be an emission of dioxins and furans of less than of

equal to 0.1 manogram TEQ/NM3 corrected to 10% oxygen, Sampling period shall be minimum 5 hours and maximum 8 hours. Analysis at dioxin and furans as well as reference measurement methods to calibrate automated measurement system shall be carried out as given by CEN standards. If CEN standards are not available, ISO Standards, National or International Standards which will ensure the provision of data of an equivalent scientific quality shall apply.

E] Metals: While operating properly at rated capacity, the system shall have an emission rate from the discharge of stack to atmosphere less than or equal to:

Metal	
Cd+Th (and its compounds)	0.05Mg/NM3
Hg (and its compounds)	0.05
Sb+As+Pb+Cr+Co+Mn+Ni+V (and their compounds)	0.5

All values corrected to 11% oxygen on a dry volume basis.

F] Operating Standards:

1. Combustion efficiency (CE) shall be at least 99.9% and shall be computed as follows-

$$CE = \% \text{CO}_2 / [\% \text{CO}_2 + \% \text{CO}] \times 100$$
2. Temperature of the primary chamber shall be at least 850°C.
3. Secondary chamber gas residence time shall be at least 2 (two) second at 1100°C will minimum 3% oxygen in the stack gas.
4. Destruction and Removal Efficiency (DRE) for each principal Organic hazardous constituent (POHC) in the waste shall be at least 99.99%.
5. DRE for hazardous waste containing PCBs, PCTs and other chlorinated compounds shall be 99.9999%.

G] Air pollution control devices: The emission control system shall be installed for cleaning and removal of air pollutants. The system shall comprises of following equipment. Singly or in combination with design efficiencies to meet the emission norms:

- i) Waste heat boiler/heat exchange/quench
- ii) Bag filters (ESP)/Cyclone
- iii) Dry/wet scrubber with hydrated lime or sodium hydroxide injection.
- iv) Chimney/stack of minimum 30 m height or as per formula 14 (Q)⁰¹ [Where Q is emission rate of SO₂ in Kg hr] which ever is more and designed as per GEP.
 [Note Dry/wet ESP, spray dryer, deduster filter and mist eliminator shall also be considered as may be required.]

H] Operating Conditions: Incineration plants shall be operated in order to achieve a level of incineration such that the slag and bottom ashes Total Organic Carbon (TOC) content is less than 3% or their loss on ignition is less than 5 of the dry weight of the material. If necessary, appropriate techniques of waste pre-treatment shall be used. Incineration plants shall be designed, equipped, built and operated in such a way that the gas resulting from the process is raised after the last injection of combustion air, in a controlled and homogenous fashion and even under the most unfavorable conditions to a temperature of 850°C as measured near the inner wall or at another

representative point of the combustion chamber as authorized by the Competent Authority for two seconds. If hazardous wastes with a content of more than 1% of halogenated organic substances, expressed as chlorine, are incinerated, the temperature has to be raised to 1200°C + 100 for at least two seconds.

Each line of the incineration plant shall be equipped with at least one auxiliary burner. This burner must be switched on automatically when the temperature of the combustion gases after the last injection of combustion air falls below 850°C or 1100°C as the case may be is maintained at all times during these operations and as long as unburned wastes is in the combustion chamber.

During the start up and shut down or when temperature of the combustion gas falls below : 850°C or 1100°C as line the case may be, the auxiliary burner shall not be fed with fuels emissions than those permitted.

- I] Monitoring requirements: Continuous monitoring and recording system for opacity CO, SO₂ and NO_x shall be installed and reported shall be sent to the State Pollution Control Boards on regular basis. Interlocking arrangements for CO and temperature controls (in primary and secondary chamber) with feeding devices shall also be provided waste feed has also to be terminated on loss of ignition in the after burner safety valve in case of high pressure development in the furnace.
- J] Notification of Compliance: The operator of the incinerator shall undertake comprehensive performance test. Within 90 days of completion of comprehensive performance test. The operator shall issue a notification of compliance documenting compliance or non compliance, as the case may be, for public information.

Standards for Emissions of Air Pollutants from Process and Boiler :

(i)	SPM	Not to exceed	150 mg/Nm ³ .
(ii)	SO ₂	Not to exceed	3052 kg/day
(iii)	SO ₂ (Process)	Not to exceed	50 ppm
(iv)	Acid Mist	Not to exceed	35 mg/Nm ₃
(v)	Nox from process	Not to exceed	50 ppm.

Standards for Emissions due to Incineration of Industrial effluent:

Sr. No.	Pollutants	Limit
1.	Particulate	30 mg/Nm ³
2.	HCl	50 mg/Nm ³
3.	SO ₂	200 mg/Nm ³
4.	CO	100 mg/Nm ³
5.	HBr	60 mg/Nm ³
6.	Dioxin/Furan	0.1 µg TEQ/Nm ³
7.	Opacity	10%
8.	Cadmium (Cd)	0.05 mg/Nm ³
9.	Thallium (Tl)	0.05 mg/Nm ³
10.	Mercury (Hg)	0.05 mg/Nm ³
11.	Antimony (Sb)	0.5 mg/Nm ³
12.	Arsenic (As)	0.5 mg/Nm ³
13.	Lead (Pb)	0.5 mg/Nm ³
14.	Chromium (Cr)	0.5 mg/Nm ³
15.	Cobalt (Co)	0.5 mg/Nm ³
16.	Copper (Cr)	0.5 mg/Nm ³
17.	Manganese (Mn)	0.5 mg/Nm ³

18.	Nickel (Ni)	0.5 mg/Nm ³
19.	Vnadium (V)	0.5 mg/Nm ³
20.	Tin (Sn)	0.5 mg/Nm ³

7. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES, 2008:

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

Sr. No.	Type Of Waste	Quantity	Disposal
NIL			

- (ii) Treatment: - NIL

8. Industry shall comply with following additional conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. 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.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he 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 & conditions of this consent regarding pollution levels.
- v. The applicant shall not change or alter 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.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. 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 pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- ix. The applicant shall install a separate electric 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.
- x. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of

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.

- xi. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
9. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
10. Industry shall also comply with the Industry specific standards notified under Environment Protection Act.
11. This consent is issued pursuant to the decision of the 9th Consent Committee of 2013 held on 17.08.2013.
12. Industry shall not take further effective step prior to obtaining Environmental Clearance & submit Bank Gaurantee of Rs. 5 lakh in favor of Regional Officer Pune valid up to 31.12.2018 towards compliance of the same .
13. Industry shall submit Board resolution from company Board, towards starting & completing construction work without obtaining consent to establish from MPC Board & Environmental clearance ,thus violated the provisions of Environmental laws & in future industry will not do such violation & B.G. of Rs. 2 lakh towards submission of Board resolution by 18.09.2013.
14. The proposed capital investment of the industry is Rs. 61.13 Crore. (existing 9.68 Cr.+ proposed 61.13 Cr. ,total -Rs. 70.81 Cr)

For and on behalf of the
Maharashtra Pollution Control Board

(V.M.Motghare) 22/12/13
Member Secretary

To,
M/s Venkateshwara Hatcheries Pvt Ltd
(-Ventri Bio. Vaccine Div)
Plot No. 20, Rajeev Gandhi ITBT Park,
Hinjewadi, Village- Man, Tal-Mulshi, Dist-Pune

Copy to:

- 1) Regional Officer, MPCB, Pune} They are directed to ensure the compliance of consent conditions.
- 2) Sub-Regional, Officer, MPCB, Pune II - 1} They are directed to ensure the compliance the consent conditions.
- 3) Chief Accounts Officer, MPCB, ,Mumbai.

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On
1	100000	001013	14/12/2012	IDBI