

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No :- BO/AST/O/EIC NO.PN-24854-15/Amendment/CC - 5446
Date-27/04/2016

To,
M/s Intervet India Pvt.Ltd.
Brihnagar off Pune-Nagar Road,
Wagholi,Pune.

Subject: Amendment in Consent to Operate RED category LSI

- Ref: 1.Existing Consent to Operate granted vide no. BO/AST/O/EIC No ON-19692-14/CC-1962 dtd.03.03.2014
2. Minutes of Consent Committee meeting held on 03.02.2016.

Your application :- : CR1504000354

Dated :17.03.2015

For: Amendment in Consent to Operate

under Section 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 (M, H & T M) Rules 2008 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 is granted for a period up to : 30.04.2016
2. The capital investment of the industry is Rs. 55.43 Crs. (Previous 45.22 Cr + Increase Rs. 10.21 Cr As per CA certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UOM
1.	Vaccines (FMDV and bacterial Vaccines)	150	Million Doses /Y

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
1.	Trade effluent	100.00	As per Schedule -I	On land for gardening
2.	Domestic effluent	16.00	As per Schedule -I	On land for gardening

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	01	As per Schedule -II
2.	Incinerator	01	As per Schedule -II
3.	DG set (500 KVA,380 KVA ,200 KVA,160 KVA)	04	As per Schedule -II

6. Conditions under Hazardous Waste (M, H & T M) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste Category	Quantity	UOM	Treatment	Disposal
1	Sludge and filters contaminated with oil	3.3	0.5 MT/A	...	Authorized CHWTSDF
2	Used /spent oil	5.1	2 MT/A	...	Sale to authorized used oil/waste oil recycler/ reprocessor/ Disposal to authorized CHWTSDF
3	Waste /residue containing oil	5.2	0.5 MT/A	...	Authorized CHWTSDF
4	Process waste, residues and sludge	21.1	2 MT/A	...	Authorized CHWTSDF
5	Silicone-containing residue	27.1	05 MT/A	...	Authorized CHWTSDF
6	Process wastes , residue and sludge	28.1	2.0 MT/A	...	Authorized CHWTSDF
7	Off-pecification prodcuts	28.2	30 MT/A	...	Authorized CHWTSDF
8	Date expired discarded medicine	28.3	25 MT/A	...	Authorized CHWTSDF
9	Discarded containers/barrels/line rs contaminated with hazardous wstes/chemicals	33.3	10 Nos/A	...	Authorized CHWTSDF
10	Flue gas cleaning residue	34.1	2 MT/A	...	Authorized CHWTSDF
11	Chemical sludge from waste water treatment	34.3	10 MT/A	...	Authorized CHWTSDF
12	Asbestos	Sch -II B-21	5 MT/A	...	Authorized CHWTSDF
13	Ammonia and ammonia compunds	Sch-II C-1	0.5 MT/A	...	Authorized CHWTSDF
14	E-waste		10 MT/A	...	Authorized E-waste recycler
15	Glasswool		2000 Kg/A	...	Authorized CHWTSDF
16	RO Membranes		1000 Kg/A	...	Authorized CHWTSDF
17	E -wate	10	MT/Y	---	Authorized e-waste recycler

7. Conditions under Non - Hazardous Solid Wastes for treatment and disposal of hazardous waste:

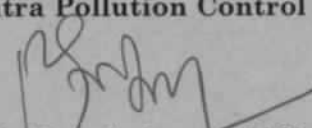
Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1	Corrugated Boxes, Scrap	2500	Kg/M	---	By Sale

8. Conditions under Bio-medical Waste (M, & H & T M) Rules, 1998 for treatment and disposal of Bio-medical waste

Sr. no.	Type Of Waste	Category	Quantity & UoM	Segregation Color coding	Treatment and Disposal
1	ANIMAL WASTE	Cat -2	6 MT/A	Yellow	Incineration and/or disposal to authorised CBMWTSDF
2	Microbiology & Biotechnology Waste	Cat-3	20 MT/A	Yellow	Autoclaving and/or disposal to authorised CBMWTSDF
3	Waste Sharps	Cat-4	1 MT/A	Blue / white translucent	Autoclaving and/or disposal to authorised CBMWTSDF
4	Discarded Medicines and Cytotoxic drugs	Cat-5	0.5 MT/A	Yellow	Incineration and/or disposal to authorised CBMWTSDF
5	Soiled Waste	Cat-6	60 MT/A	Yellow	Autoclaving /Incineration and/or disposal to authorised CBMWTSDF
6	Incineration waste	Cat-9	5 MT/A	Black	Authorised CHWTSDF

9. The applicant shall comply the conditions imposed in Bio- medical Rule 1998 & amendments thereto.
10. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
11. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
12. This consent is issued with the overriding effect to the earlier consent issued vide BO/AST/O/EIC No ON-19692-14/CC-1962 dtd.03.03.2014

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P Anbalagan, IAS)
Member Secretary

Copy to:

1. Regional Officer MPCB, Pune/ Sub-Regional Officer - MPCB, Pune-II: They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	33544/-	687167	10.03.16	Union Bank of India

(Previous balance Fees Rs. 66,666 /- is consider towards amendment of this consent)

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

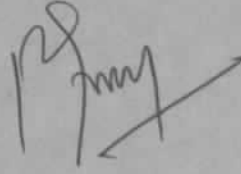
- 1) A] As per your application, you have provided combine Effluent Treatment Plant of capacity 120 CMD consisting of primary/secondary and tertiary treatment.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr.no	Parameter	Standards prescribed by Board
1	pH	5.5 to 9.0
2	Oil & Grease	10 mg/l
3	Suspended Solids	100 mg/l.
4	BOD 3 days 27 ° C	30 mg/l.
5	COD	250 mg/l.
6	TDS	2100 mg/l.
7	Sulphate	1000 mg/l
8	Chloride	600 mg/l
9	Phosphate (asP)	5.0mg/l
10	Murcury	0.01 mg/L
11	Phenolic compound	5 mg/l
12	TAN	50 mg/l

- C) The treated effluent shall be recycle/reused to the maximum extend & remaining should be disposed of own land for gardening (25 Acre) ,toilet flushing etc.
- 2) As per your application you have combined treatment system for trade effluent and sewage hence the standards and disposal path prescribed at sr. no.1 B & C of schedule I shall be applicable.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works 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.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling and boiler feed	20.00
2.	Domestic purpose	20.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	100.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil
5.	Gardening	190.00

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.

A handwritten signature in black ink, consisting of stylized initials and a long horizontal stroke extending to the right.

Maharashtra Pollution Control Board

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	Height in Mtrs.	Type of Fuel	Quantity	UoM	APCS	S %	SO ₂ Kg/Day
1	Boiler -I (3 TPH)	30.00 (Combine)	Furnace oil	150	Lit/Hr	Stack	4.5	324
2	Boiler -II (2 TPH)		Furnace oil	150 (standby)	Lit/Hr	Stack	4.5	
3	Incinerator	30.00	HSD	30	Lit/Hr	Ventury Scrubber	0.1%	14.4
4	D.G. Set (500 KVA)	4.4 (on the roof)	HSD	88	Lit/Hr	Stack	0.1%	44
5	D.G. Set (380 KVA)	3.8 (on the roof)	HSD	67	Lit/Hr	Stack	0.1%	20.48
6	D.G. Set (200 KVA)	2.8 (on the roof)	HSD	35	Lit/Hr	Stack	0.1%	16.8
7	D.G. Set (160 KVA)	2.5 (on the roof)	HSD	30	Lit/Hr	Stack	0.1%	14.4

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

Particulate matter	Not to exceed	150 mg/Nm ³ .
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3. Industry shall provide adequate capacity of HCL, Bromine & NH₃ Scrubber.
4. 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. (Concern section shall mention specific control equipments)
5. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipments.
6. 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)
7. **Standards for Treatment and Disposal of Bio-medical Waste by Incineration :** The Bio-medical waste generated from Health Care Facilities (HCFs) shall be treated and disposed of in accordance with Schedule-I and in compliance with the standards prescribed under Schedule-V of the Bio-medical Waste (Management & Handling) Rules, 1998 as amended notified under the Environment (Protection) Act, 1986. Standards for Bio-medical Waste Incineration are prescribed in Schedule V of the BMW Rules, which are detailed below:

Standards for Incinerators : Incinerators shall meet the following operating and emission standards;

A. Operating Standards:

1. Combustion Efficiency (CE) shall be at least 99.0%.
2. The Combustion Efficiency is computed as follows:

$$C.E. = \frac{\% CO_2}{\% CO_2 + \% CO} \times 100$$

3. The temperature of the primary chamber shall be $800 \pm 50^\circ C$.
4. The secondary chamber gas residence time shall be at least 1 (one) second at $1050 \pm 50^\circ C$, with the minimum 3% oxygen in the stack gas.

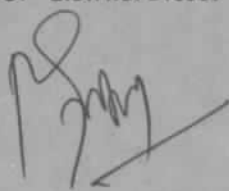
B. Emission Standards:

Sr.No	Parameter	Concentration in mg/Nm ³ (12 % CO ₂ Correction)
1	Particulate Matter (PM)	150
2	Nitrogen Oxides	450
3	HCl	50

Note :

- Minimum stack height shall be 30 meters above ground.
- Volatile organic compounds in ash shall not be more than 0.01%.
- Suitably designed air pollution control devices shall be installed/retrofitted with the incinerator to achieve the above emission limits, if necessary.
- Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants.
- Chlorinated plastics shall not be incinerated.
- Toxic metals in incineration ash shall be limited within the regulatory quantities as defined under the Hazardous Waste (Management and Handling Rules).
- Only low sulphur fuel like L.D.O/ L.S.H.S/Diesel shall be used as fuel in the incinerator.

Maharashtra



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 R	Rs. 10 Lakh (Submitted)	15 days	O & M of pollution control system	30.04.2016	30.08.2016
2	C to R	Rs. 5 Lakh	15 days From date of consent issued	O & M of pollution control system	30.04.2016	30.08.2016

History of Bank Guarantees

Sr. No	Consent (C to E/O/R)	Amt of BG forfeited	Reason for forfeiture
1	C to R	Rs. 5 lakh	For exceeding JVS results

Schedule-IV

General Conditions:

The following general conditions apply as per type of the industry

- 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) 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.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled
- 7) /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.
- 8) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.

- 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 obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent (in case of Renewal of consent).
- 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).
- 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) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) 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.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
 - f) D.G. Set shall be operated only in case of power failure.

- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) 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.
- 25) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) 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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