

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Consent order No.:- Format 1.0/BO/CAC-Cell/UAN No. 0000051504/E/12<sup>th</sup>CAC- 1904000 984  
Date- 24/04/2019

To,  
M/s Serum Bio-Pharma Park,  
Plot Nos. 203, 204(p), 205, Hadapsar,  
Tal. Haveli, Dist. Pune - 411 028.

Subject: Grant of Consent to Establish for construction of Biotech Park buildings under Red/ LSI category.  
Ref.: 1. Minutes of Consent Appraisal Committee meeting held on 05/03/2019.

Your application UAN Nos. 0000051504  
dtd: 28/06/2018

For: 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; Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016; and Authorization under Biomedical Waste Management 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 & V annexed to this order:

1. The Consent to Establish is granted for a period up to commissioning of the industry or up to 5 year whichever is earlier.
2. The Capital investment of the project is Rs. 136 Crs as per undertaking submitted by the project proponent.
3. The Consent to Establish is granted for construction of Biotech Park buildings of M/s Serum Bio-Pharma Park at plot bearing Plot Nos. 203, 204(p), 205, Hadapsar, Tal. Haveli, Dist. Pune - 411 028 on total plot area 1,24,136 sq. mtrs. for total construction BUA - 53,020.42 sq. mtrs. out of total construction BUA 1,80,395.64 sq. mtrs. including utilities and services of project as per construction permission issued by the Local Body.
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	Nil	NA	NA
2.	Domestic effluent	92	As per Schedule -I	60% of treated sewage recycled for secondary purposes like toilet flushing, cooling tower make up, air-conditioning, fire-fighting etc. and remaining shall be applied on land for gardening within premise

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

Sr. No.	Description of stack/ source	Number Of Stack	Standards to be achieved
		NA	

6. Conditions under Solid Waste Management Rule, 2016:

Sr. No.	Type Of Waste	Quantity	Treatment	Disposal
1	Biodegradable waste	As actual Kg/D	Composting	Used as a manure for gardening


2	Non-Biodegradable waste	As actual Kg/D	---	Segregate and Hand over to Local Body/ Sale to Scrap Merchant
3	STP Sludge	5 Kg/D	---	Used as manure for gardening

**7. Conditions under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for treatment and disposal of hazardous waste:**

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
NA						

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. Project Proponent shall make provision of Sewage Treatment Plant so as to achieve BOD-10 mg/l and recycle treated sewage for toilet flushing & gardening.
11. Project Proponent shall install online continuous monitoring system for STP parameters BOD, TSS & Flow at the outlet of STP with connectivity to MPCB Server. In case of 100% recycle/ reuse or Zero Liquid Discharge, industry shall install IP Camera with night vision at the outlet of STP as per CPCB guidelines with connectivity to MPCB Server.
12. Project Proponent shall furnish Bank Guarantee of Rs. 5 Lakh towards O&M of STP and compliance of the 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/ RTGS/ NEFT/ TRN. No.	Date	Drawn On
1	Rs. 2,72,000/-	7610994	02/07/2018	Axis Bank

Copy to:

1. Regional Officer (Pune)/ Sub-Regional Officer (Pune-I), M.P.C. Board.  
- They are directed to ensure compliance of the Consent conditions.
2. Chief Accounts Officer, MPCB, 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 provided Sewage Treatment Plant (STP) of designed capacity 100 CMD with MBBR Technology for the treatment of 92 CMD sewage.

B) The Applicant shall operate the Sewage Treatment Plant (STP) 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:

Sr. No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	BOD (3 days 27°C)	10
02	Suspended Solids	20
03	COD	50
04	Residual Chlorine	1 ppm

C) The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening.

- 2) 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 and/or extension or addition thereto.
- 3) 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	0
2	Domestic purpose	115
3	Processing whereby water gets polluted & pollutants are easily biodegradable	0
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0
5	Gardening	0

- 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.



### 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 also to erect following stack(s) and to observe the following fuel pattern-

Sr. No.	Stack Attached to	APC System	Height in Mtrs.	Type of Fuel	Quantity UoM	& S %	SO2 (Kg/Day)
N.A.							

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.
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:

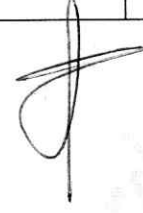
Total Particulate Matter	Not to exceed	150 mg/Nm <sup>3</sup>
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4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/ alteration 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	Rs. 5 lakh	Within 15 days	Towards compliance of Consent to Establish conditions	31/03/2024	Up to 31/07/2024



Maharashtra Pollution Control Board

#### Schedule-IV

##### **Conditions during construction phase:**

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

##### **General Conditions:**

- 1) The applicant shall provide facility for collection of samples of 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 firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011).
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5) 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) Applicant 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) Applicant should make efforts to bring down noise level due to DG set, outside their 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.
- 6) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8) Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9) The treated sewage shall be disinfected using suitable disinfection method.
- 10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

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