

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781  
/4037124/4035273  
Fax : 24044532/4024068 /4023516  
Email : enquiry@mpcb.gov.in  
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga  
Scheme Road No. 8, Opp. Cine Planet Cinema, Near  
Sion Circle, Sion (E),  
Mumbai - 400 022

Consent order No :- Formate 1.0/ BO/CAC-Cell/EIC No PN-19789-13/2nd CAC/ **CAC-4630**

Date- 17/05/14

To,

M/s. Serum Institute of India Ltd,  
Off Soli Poonawalla road,  
Plot No 212/2, Pune-Solapur Road,  
Hadapsar, Tq. Haveli, Dist. Pune

Subject: Renewal of consent RED category.

Ref : 1. Earlier Consent granted vide no. BO/PAMS/R/EIC NO. PN-16264-12/CAC-814 dated 24/01/2013.

2. Minutes of CAC meeting held on 28.04.2014

Your application: CR1311000018

Dated: 07/11/2013

For: Renewal of consent

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 from 01.01.2014 to 30.04.2015.
2. The actual capital investment of the industry is Rs. 1268.69 Crs. (As per C.A. Certificate).
3. The Consent is valid for the manufacture of

Sr. No.	Product Name	Maximum Quantity
1	Bacterial Vaccines	5.6 lac vials per day
2	Viral/hepatitis B Vaccines	5.6 lac vials per day
3	Loan License/Pharma Products	4.0 lac vials per day

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	1204	As per Schedule -I	60% Recycle in the process and remaining shall be used for gardening purpose/ drained into local drainage
2.	Domestic effluent	96	As per Schedule -I	

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 (8 nos)	8	As per Schedule -II
2	Incinerator	1	As per Schedule -II
3	DG set (17 nos)	8	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Solid Waste Packaging Material	24 Ton/M	Nil	Sale
2	ETP Bio sludge	75 Kg/day	Nil	Used as manure

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Incineration Ash	36.2	40	MT/M	—	CHWTSDF
2	Chemical Sludge	34.3	5	MT/M	—	CHWTSDF
3	Used/Spent Oil	5.1	5.50	KL/M	—	sale to authorized party
4	Date Expired, discarded and off specification drug/ medicines/chemicals.	28.4	500	Kg/M	—	To CHWTSDF
5	Empty chemical paint containers/glass bottles	33.3	500	containers/M	—	To CHWTSDF
6	Lead Acid Battery		200	Nos/M	—	To authorized Party

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. Industry shall submit affidavit that due to increase in CI, there is no increase in built-up area.
11. Industry shall carry out treatability study of ETP by 30.06.2014 and submit BG of Rs 2 lakhs to ensure the compliance of the same.
12. Industry shall increase the height of the stacks as recommended by TAC by 30.06.2014 and BG of Rs 5 lakhs to ensure the compliance of the same.

For and on behalf of the  
Maharashtra Pollution Control Board

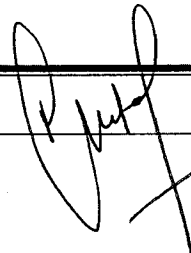
(Rajeev Kumar Mital, IAS)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	25,37,491/-	047018	26/10/2013	Axis Bank
2	3,73,200/-	047435	29/11/2013	Axis Bank
3	845792/-	049500	10/05/2014	Axis Bank

**Copy to:**

1. **Regional Officer - Pune and Sub-Regional Officer- Pune-I, MPCB, Pune.**  
They are directed to ensure the compliance of the consent conditions. The BG of Rs 2 lakhs for submission of BR shall be returned back as industry has complied with the same. The BG of Rs 5 lakhs shall be forfeited as industry is not meeting TPM std of Briquette fired boiler for last four samples collected.
2. **Chief Accounts Officer, MPCB, Mumbai.**
3. **CAC desk- for record & website updation purposes.**



Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the combined Effluent Treatment Plant (ETP) with the design capacity of 1500 CMD.

B] The Applicant shall operate the combined treatment system of effluent treatment plant (ETP) to treat the trade effluent & domestic effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters		Limits
1	pH	Between	5.5 to 9.0
2	Oil & Grease	Not to exceed	10 mg/lit
3	BOD (3 days 27oC )	Not to exceed	100 mg/lit
4	COD	Not to exceed	250 mg/lit
5	Suspended Solids	Not to exceed	100 mg/lit
6	Total Dissolved Solids	Not to exceed	2100 mg/lit
7	Chlorides	Not to exceed	600 mg/lit
8	Sulphate	Not to exceed	1000 mg/lit
9	Dissolved Phosphate	Not to exceed	5 mg/lit
10	Sulphide	Not to exceed	2 mg/lit
11	Phenolics	Not to exceed	1 mg/lit

C] The treated effluent shall be 60% recycled in the process and remaining shall be used for gardening/ plantation within own premises or shall be drained into local drainage in case of excess or during monsoon season.

2) A.] As per your consent application, you have provided the septic tanks .

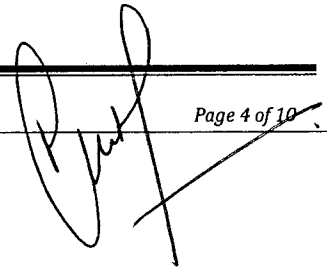
B] The overflow of septic tank shall be mixed along with trade effluent for further treatment

C] In case the treatment system is combined for trade effluent and sewage then 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 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 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, spraying in mine pits or boiler feed	473
2.	Domestic purpose	120
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	1026
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil
5	Any other and gardening	6

- 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 guidelineds.

**Schedule-II**

**Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have install/ provided the Air pollution control (APC) system and also erected 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 %	SO <sub>2</sub> Kg/Day
1	Boiler (5T/Hr)	Stack	30.5	LDO	295.5 Kg/hr	1.8	225
2	Boiler (5T/Hr)	Stack	33.5	FO	295.5 Kg/hr	4.5	638
3	Boiler (5T/Hr)	Stack	30.5	FO	315 Kg/hr	4.5	680
4	Boiler (5T/Hr)	Stack	30.5	FO	316 Kg/hr	4.5	682
5	Boiler (5T/Hr)	Stack	30.5	FO	317 Kg/hr	4.5	684
6	Boiler (5T/Hr)	Stack	38.5	FO	318 Kg/hr	4.5	686
7	Boiler (10T/Hr)	Stack	47	FO	600 Kg/hr	4.5	1260
8	Bagasse Briquette Boiler	cyclone dust collector with bag filters provided	50	Briquette	160 MT/day	0.06	600
9	Incinerator	Wet scrubber provided	30	HSD	24 Lit/hr	1	11.13
10	DG set ( 1250 KVA 2 nos)	Stack	common stack of 22.5	HSD	420 lit/hr	1	201.6
11	DG set ( 380 KVA)	Stack	17.7	HSD	55 lit/hr	1	26.4
12	DG set ( 1250 KVA 2 nos)	Stack	common stack of 14.5	HSD	420 lit/hr	1	201.6
13	DG set ( 380 KVA)	Stack	14.5	HSD	55 lit/hr	1	26.4
14	DG set ( 2050 KVA 2 nos)	Stack	common stack of 31	HSD	750 Lit/hr	1	360
15	DG set ( 1250 KVA 6 nos)	Stack	common stack of 30	HSD	1260 Lit/hr	1	604
16	DG set ( 2050 KVA 2 nos)	Stack	common stack of 30	HSD	750 Lit/hr	1	360
17	DG set ( 380 KVA)	Stack	26	HSD	55 lit/hr	1	26.4

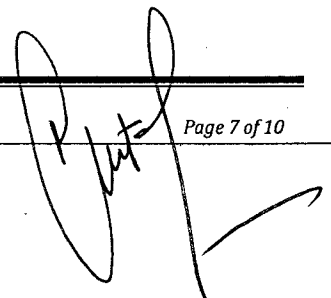
2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.

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:

Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup> .
--------------------	---------------	--------------------------

4. 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 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).

Maharashtra Pollution Control Board



**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 lakhs	Within 15 days from the date of issue of consent	Operation and maintenance of pollution control system	30.04.2015	30.08.2015
2	C to R	Rs 5 lakhs	Within 15 days from the date of issue of consent	To increase the stack heights	30.06.2014	30.10.2014
3	C to R	Rs 2 lakhs	Within 15 days from the date of issue of consent	To carry out treatability study of ETP	30.06.2014	30.10.2014

**Forfeiture of existing BG.**

Sr. No.	Consent (C to E/O/R)	Amt of BG to be forfeited	Validity Date	Purpose of BG submitted	Reason for forfeiture
1	C to R	Rs 5 lakhs	31.12.2014	Operation and maintenance of pollution control system	Industry is not meeting TPM std of Briquette fired boiler for last four samples collected



#### Schedule-IV

##### General Conditions:

- 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/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.
- 7) 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 30<sup>th</sup> June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent**
- 10) 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](http://www.mpcb.gov.in)).
- 11) 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.
- 12) 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.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) 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.

15) 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
- 16) The industry should not cause any nuisance in surrounding area.
- 17) 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.
- 18) The applicant shall maintain good housekeeping.
- 19) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end, with the Environment Statement.
- 20) 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.
- 21) 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.
- 22) 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.
- 23) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 24) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

—0000—

