

## MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781  
Fax: 24024068/24023515  
Website: <http://mpcb.gov.in>  
Email: [psa@mpcb.gov.in](mailto:psa@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I

No:- Format1.0/CC/UAN No.0000109500/CR 2112001493

Date: 27/12/21

To,  
Commissioner,  
Municipal Corporation of Greater  
Mumbai

(Owner)

To,  
SMS ENVOCLEAN PVT LTD  
5904/1A,5804/AB,NEAR DEONAR  
DUMPING GROUND GHATKOPAR-  
MANKHURD LINK ROAD  
KURLA,  
Mumbai Suburban-

(Operator)

*Renewal of Combined Consent and BMW Authorization (CCA) under the provisions of Water (P & CP) Act, 1974, Air (P & CP) Act, 1981 and Bio-Medical Waste Management Rules, 2016 as amended and Hazardous Waste (M & TM) Rules, 2016.*

- Ref:**
1. Directions issued by Board on 17.09.2020
  2. Combine Consent and Bio-Medical Waste Authorization granted by the Board vide no. CC/2102000353 dated 05.02.2021
  3. Your application for Combine Consent and Bio-Medical Waste Authorization dated 08/03/2021.
  4. Your application for Combine Consent and Bio-Medical Waste Authorization received at HQ on 22.04.2021.
  5. Minutes of 4th CC meeting held on 28.05.2021
  6. Minutes of Personal hearing extended before MS, MPC Board, on 09.09.2021.
  7. Document uploaded on 13.11.2021.

After examining the proposal, The Maharashtra Pollution Control Board hereby Renew Combined Consent and BMW Authorization to HCE under Section 25/26 of the Water (P&CP) Act, 1974, Section 21 of the Air (P&CP) Act, 1981 and Bio-Medical Waste Management Rules, 2016, and Authorization under Rule 5 of the Hazardous Wastes (Management & Transboundary Movement) Rules, 2016 respectively, Under Environment (Protection) Act, 1986, subject to terms and conditions as specified below and in the **Schedules(I-IV) and Annexures (I-II)** enclosed in this order.

1. This CCA shall be in force for a period From **31-05-2021 To 31-12-2021**
2. The capital investment of the Plant is **₹1397.60** Lakhs
3. Plant Area: - Plot Area 4088.00 M<sup>2</sup> with Built-up area 1301.00 M<sup>2</sup>.

4. The jurisdiction allocated for waste collection: - All Talukas of Dist. Municipal Corporation of Greater Mumbai

5. **Conditions under the Water (P&CP) Act, 1974:-**

- Quantity of total water consumption shall not exceed 190.00 M<sup>3</sup>/day. You shall not use the ground water without obtaining prior permission of Central Ground Water Authority.
- You shall provide adequate treatment & disposal facility for sewage & Effluent generated as specified in **Annexure-I**
- You shall provide water meter at water intake point & at sewage/Effluent disposal point and shall maintain monthly records thereof.

6. **Conditions under the Air (P&CP) Act,1981:-**

- You shall use the fuel for DG set as specified in the **Annexure-II**.
- You shall provide adequate emission control system to DG set as specified in **Annexure-II**.
- You shall strictly observe noise standards applicable for DG set stack emission and ambient noise level as per **Annexure-II**.

7. **Conditions under Hazardous Waste (M & TM) Rules 2016:-**

You shall have valid membership of CHWTSDF and shall dispose the Hazardous waste generated i.e. ETP sludge in strict compliance with said rules and maintain record thereof.

Sr No	Type of Waste	HW Category no.	Quantity (MT/Annum)	Disposal
1	37.2 Ash from incinerator and flue gas cleaning residue	37.2	As per Actual	CHWTSDF
2	35.3 Chemical sludge from waste water treatment	35.3	As per Actual	CHWTSDF

8. **Conditions under BMW Management rules 2016:-**

You shall operate Treatment plant as below and shall comply with the operational conditions mentioned at Schedule-I.

Sr No	Treatment Technology	Installed Capacity	Operational Capacity/Day	Compliance of Standards
1	Incineration (250 Kg X 4 No.) *	1000 Kg/Hr	18000 Kg/Day	As per Annexure-II
2	Autoclave	400 Ltr/Hr	6400 Lit/Day	As per Annexure-II
3	Shredder( 150 Kg/Hr+200 Kg/Hr+ 300 Kg/Hr)	650 Kg/Hr	11700 Kg/Day	-

\*: As per the minutes of meeting of personal hearing dtd 09.09.2021., you shall operate the facility as per directions issued by the board on 17.09.2020.

Part A - Responsibility of Commissioner, Municipal Corporation of Greater Mumbai (Owner of Facility):

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.

2. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
3. The applicant should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated- 14.09.2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated- 19/08/2010, fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s) & acquisition of land not be treated as an effective step.
4. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
5. The municipal authority shall provide the required land other infrastructure as per the agreement for the operation of the Common BMW Treatment Facility and ensure that operator comply and strictly abide by the condition stipulated in Schedule I, II.
6. The municipal authority shall ensure that all healthcare establishments and institutions generating BMW in their jurisdiction shall obtain membership of the common facility and shall hand over the segregated BMW to the facility.
7. The municipal authority shall ensure mandatory color-coded bins are used for the segregation of BMW by the HCEs and institutions generating BMW.
8. The municipal authority shall fix the charges for providing services to HCEs in consultation with the medical association and the facility operator and ensure timely payment to the operator.
9. The municipal authority shall ensure that the facility operator shall set up / upgrade the existing facility in compliance with CPCB guidelines and BMWM Rules.
10. The municipal authority shall ensure submission of annual report of BMW the preceding year by facility operator including category and quantity of the BMW collected and treated at the facility before 30th June.
11. The municipal authority is not permitted to cancel the agreement of the facility operator without prior approval of MS, MPCB.
12. The municipal authority shall give advance information to the board authority about addition, termination, or change of facility infrastructure and/or operator and shall get Common Consent and Authorization (CCA) amended prior to the commencement of operations.
13. This consent was issued with the approval of MS, MPCB as per minutes of personal hearing extended before MS, MPCB on 09.09.2021.

**Part B - Responsibility of SMS ENVOCLEAN PVT. LTD(Facility Operator) :**

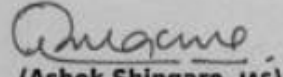
1. The operator is responsible for setting up/ upgradation of the existing facility in compliance with CPCB guidelines and BMWM Rules, 2016 as amended.
2. The operator shall ensure collection of HCEs and institutions generating BMW within the jurisdiction allotted area which is authorized by MPCB. He shall ensure all HCEs become members of the said facility and maintain up-to-date records of the members.
3. The operator shall ensure receipt and disposal of only segregated BMW in color coded bags from the HCEs within 48 hours from the generation. In case of failure by HCEs, they shall stop receiving unsegregated BMW and inform the local body and MPCB accordingly.

4. The operator shall ensure collection, transportation, and disposal of BMW from Mumbai Municipal Corporation limits as on date of issue of CCA through dedicated BMW transport vehicles complying with BMWM Rules and transport guidelines.
5. 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 equipment 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.
6. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain a clean and safe environment in and around the factory premises.
7. 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).
8. The operator shall ensure the use of personal protectives by the waste handlers. Every person engaged in BMW management shall be provided with proper immunization adequate training and record shall be maintained.
9. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
10. 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 an extension or addition thereto.
11. The industry shall ensure the 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.
12. The facility operator shall comply and strictly abide by the conditions stipulated in schedules I, II, III, IV & V of BMWM Rules, 2016 as amended.
13. They shall operate and maintain the facility in order to achieve the standards prescribed in BMWM Rules.
14. The treated plastic/metal waste shall be handed over only to the recycler authorized under BMW and BMW Rules and a record of all such waste handed over to the recycler shall be maintained.
15. The operator shall obtain membership of CHWTSDF for disposal of incineration ash and ETP sludge and shall dispose of the following manifest system within 90 days.
16. The operator shall submit compliance with bank guarantee conditions every six months to the Regional Officer, Mumbai for verification purposes.
17. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986, and industry-specific standards under EP Rules 1986 which are available on the MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
18. A separate drainage system shall be provided for the collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangements 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 the designed and provided collection system.
19. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
20. The industry should not cause any nuisance in surrounding area.
21. 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.
22. Municipal Authority and Operator shall be jointly responsible to submit an application for renewal of combined consent and biomedical waste authorization before 90 days of expiry.

23. 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.
24. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
25. 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.
26. 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.
9. You shall use only dedicated vehicles as detailed in Annexure-IV for collection and transportation of Bio-Medical waste within allocated Jurisdiction. Vehicles Authorized for Collection shall strictly comply with this BMW Rules 2016 and CPCB/MPCB guidelines and Motor Vehicles act, 1988 (59 of 1988).
10. You shall collect the BMW Strictly complying with the Provisions of Schedule-I and Treatment & Disposal as specified in Schedule-I.
11. You shall not collect outdated, discarded, unused cytotoxic drugs/waste generated in the Cancer research centers and health care establishments unless they are specifically marked with the symbol of Bio Hazard & Cytotoxic Hazard.
12. You shall collect and dispose-off the Mercury Waste from HCE as per guidelines published by CPCB as detailed in document entitled "Environmentally Sound Management of Mercury Waste in Health Care Facilities" ([www.cpcb.nic.in](http://www.cpcb.nic.in)).
13. You shall not undertake Modifications/ Upgradation in existing facility without obtaining prior Environment Clearance under the Provision of EIA notification, 2006 and Consent to Establish from the MPC Board.
14. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by you shall constitute a breach of this authorization.
15. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio-Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
16. This Board reserves the right to review, amend, suspend, revoke, or change any of the conditions applicable under this CCA and the same shall be binding on the facility operator.
17. You shall maintain records of MPC board Officers visit and shall obey all the lawful instructions issued by the Board Officers from time to time.
18. Any violation of provisions of BMW Management Rules, 2016 as amended shall attract the penal provisions of Environment (Protection) Act, 1986 and Violations under the provisions of Water (P&CP) Act 1974, Air (P&CP) act 1981 shall attract provisions of respective act including closure of the facility and prosecution.
19. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.

20. You shall submit a bank guarantee of Rs. 6 lakhs towards compliance with the condition mentioned in Schedule III to Regional Office, Mumbai within 30 days. Nonsubmission of BG at a specified time shall attract revocation of this CCA without further notice.
21. As report Submitted by SRO Mumbai-III, Bank Guarantee of Rs.1.0 Lakh is forfeited for improper operation of APCD so as to achieve the prescribed standard and double BG of Rs.2.0 lakh is imposed.
22. You shall operate at the Incineration capacity of 50% of Bio-Medical Waste Collected from MCGM area & shall be sent the remaining 50% of incineration BMW to M/s MWML facility, Talaja for scientific treatment and disposal of the waste.

For and on behalf of the  
Maharashtra Pollution Control Board.

  
(Ashok Shingare, IAS)  
Member Secretary

Received Consent/Authorization fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	110000.00	MPCB-DR-4853	08/03/2021	RTGS

The CCA is issued for short period , hence total applicable fee for Consent and BMW authorization is Rs. 39,375/- .The earlier CCA fee of Rs. 1,40,000/- is remaining with board and CTF has submitted fee with this application is Rs. 1,10,000/- hence total fee submitted by CTF is Rs.2,50,000/-. The remaining fee of Rs. 2,10,625/- will be consider at the time of next renewal of CCA

Copy to:

1. Regional Officer, MPCB, Mumbai and Sub-Regional Officer, MPCB, Mumbai III  
- You are directed to ensure the compliance of the consent conditions and BG imposed.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. I/C EIC- for record & website updating purpose.

**Annexure - I**

**Conditions under Water (P & CP), 1974 Act: (Refer Condition No. 5)**

A. Water Consumption Details:-

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	180.00
2.	Domestic purpose	10.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Other such as agriculture, gardening, etc.	0.00

B. Conditions for Sewage & Effluent Generation, Treatment and Disposal:-

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1	Domestic Sewage	8.5	As per clause 'C'	100% Recycle
2	Trade effluent	160	As per clause 'C'	100% Recycle

C. You shall operate the combined waste water treatment plant of adequate design and capacity to treat the domestic sewage and trade effluent so as to achieve the following standards as prescribed below under E (P) Act, 1986 and Rules made there under and recycle after achieving standard prescribed below.

Sr. No.	Parameters	Discharge Standards applicable	
		Limiting Concentration in mg/except for pH	
1	pH	6.5-9.0	
2	Oil & Grease	10	
3	BOD (3 days 27°C )	30	
4	COD	250	
5	Total Suspended Solids	100	
6	Bio-Assay Test	90 % survival of fish after 96 hours in 100 % effluent.	

- D. You 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.
- E. You shall provide Primary/ Secondary/ tertiary treatment system and disinfection facility.
- F. The Applicant shall obtain prior consent of the Board to take steps for Expansion/Modification of any treatment and disposal system or an extension or addition thereto.
- G. You shall provide Specific Water Pollution control system as per above conditions and conditions of Environmental Clearance, if applicable.



**Annexure - II**

**Terms & conditions for Incinerator(s) and D.G. Set(s) under Air (P & CP) Act, 1981 and Bio Medical waste management Rule, 2016: (Refer Condition No.6)**

1. You shall observe following fuel pattern and erect following stack (s):

Sr. No.	Stack Attached to	Fuel Type	Quantity	Stack Height (Mtr)
1	INCINERATOR (4 No)	HSD	140.00 Ltr/Hr	30.00
2	Diesel Generator (63 KVA)	HSD	5.00 Ltr/Hr	2.40

2. You shall provide following Air pollution Control Devices (APCD) as stated at "C" below and shall observe the following operating conditions and emission standards:

a. Operating Standards:-

i. Combustion efficiency (CE) shall be at least 99.00%.

ii. The Combustion efficiency is computed as follows;

a. % CO<sub>2</sub>

ii. C.E. ----- x 100

1. % CO<sub>2</sub> + % CO

iii. The temperature of the primary chamber shall be minimum 8000C. and of the secondary chamber shall be minimum 10500 ± 500 C.

iv. The secondary chamber gas residence time shall be at least 2 (Two) seconds at 10500+ 500C.

b. Emission Standards:-

Sr.No.	Parameters	Limiting Concentration in mg/Nm <sup>3</sup> unless stated
1	Particulate matter	50
2	Nitrogen Oxides	400
3	HCL	50
4	Total Dioxin & Furans	0.1 ngTEQ/Nm <sup>3</sup> (at 11% O <sub>2</sub> )
5	Hg & It's Compounds	0.05

c. Essential Components of Incinerator to Meet emission standards of BMW Management Rules 2016:-

i. Secondary chamber-2 No.s (for 2 second residence time)

ii. Individual burner for primary & secondary chamber.

iii. Venturi scrubber having min. 600mm WC pressure drop with Recirculation pump and recirculation Tank.

iv. Activate carbon dosing for Dioxin removal.

v. ID fan having 900-1000 mm WC pressure drop.



- vi. Packed bed for scrubbing for gaseous pollutants with recirculation pump and recirculation tank.
  - vii. Minimum stack height shall be 30 meters above the ground and shall be attached with the necessary monitoring facilities as per requirement of monitoring of general parameters as notified under the E (P) Act, 1986 and in accordance with the CPCB Guidelines of Emission Regulation Part-III.
- d. General Requirements:-
- i. Volatile organic compounds in the ash shall not be more than 0.01%.
  - ii. The Applicant shall provide ports in the chimney 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 chimneys shall be numbered as S-1, S-2 etc and these shall be painted / displayed to facilitate identification.
  - iii. The operator shall monitor the stack gaseous emissions (under optimum capacity of the incinerator) of above mentioned parameters at least quarterly from the laboratory recognized under the Environment (Protection) Act, 1986 & NABL accredited and record of such analysis results shall be maintained and submitted to the prescribed authority. In case of dioxins and furans, monitoring should be done once in a year.

**Note:-**

- i. The existing incinerators shall comply with the above by 29.03.2019.
  - ii. The existing incinerators shall comply with the standards for Dioxins and Furans of 0.1ngTEQ/NM3 by 29.03.2019.
  - iii. Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants.
  - iv. Only low Sulphur fuel like Light Diesel Oil or Low Sulphur Heavy Stock or Diesel, Compressed Natural Gas, Liquefied Natural Gas or Liquefied Petroleum Gas shall be used as fuel in the incinerator.
  - v. You shall install continuous emission monitoring system for the parameters as stipulated by Central Pollution Control Board for CO<sub>2</sub>, CO and O<sub>2</sub>.
  - vi. All monitored values shall be corrected to 11% Oxygen on dry basis.
  - vii. Incinerators (combustion chambers) shall be operated with such temperature, retention time and turbulence, as to achieve Total Organic Carbon content in the bottom ashes less than 3% or their loss on ignition shall be less than 5% of the dry weight.
  - viii. The occupier or operator of a common bio-medical waste incinerator shall use combustion gas analyzer to measure CO<sub>2</sub>, CO and O<sub>2</sub>.
3. The Applicant shall obtain prior permission of MPC board for providing additional control equipment with necessary specifications and operation thereof or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. 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, either in whole or in part as necessary).



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 for control of noise.
  - b. 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. You shall 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 MoEFCC dated 17.05.2002 regarding noise limit for generator sets run with diesel.
6. You 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.





**Annexure - III**

**Standards for Treatment and Disposal of "RED" Category (Autoclavable) Bio-Medical Waste  
Standards for Waste Autoclaving:**

The autoclave should be dedicated for the purposes of disinfecting and treating bio-medical waste.

1. When operating a vacuum autoclave, medical waste shall be subjected to a minimum of three pre-vacuum pulse to purge the autoclave of all air. The waste shall be subjected to the following.
  - i. A temperature of not less than 121° C and a pressure of 15 psi for an autoclave residence time of not less than 45 minutes
2. Medical waste shall not be considered properly treated unless the time, temperature and pressure indicators indicate that the required time, temperature and pressure were reached during the autoclave process. If for any reasons, time temperature or pressure indicates that the required temperature, pressure or residence time was not reached, the entire load of medical waste must be autoclaved again until the proper temperature, pressure and residence time were achieved.
3. Recording of operational parameters: - Each autoclave shall have graphic or computer recording devices which will automatically and continuously monitor and record dates, time of day, load identification number and operating parameters throughout the entire length of the autoclave cycle.
4. Validation test: Spore Test: - The autoclave should completely and consistently kill the approved biological indicator at the maximum design capacity of each autoclave unit. Biological indicator for autoclave shall be Geobacillus stearothermophilus spores using vials or spore strips, with at least 1x 10<sup>6</sup> spores per milliliter. Under no circumstances will an autoclave have minimum operating parameters less than a residence time of 30 minutes, a temperature less than 121° C or a pressure, less than 15 psi. Test should be conducted at least once in every week & record in this regard shall be maintained.
5. Routine Test: A chemical indicator strip/tape that changes color when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more than one strip over the waste package at different location to ensure that the inner content of the package has been adequately autoclaved. Test should be conducted during autoclaving of each batch & record in this regard shall be maintained.



**Annexure - IV**

**BMW Collection and Transportation**

1. You shall use following dedicated, GPS enabled vehicles having separate compartments for storage as per colour coding, for collection & transportation of BMW. You shall provide login details of Vehicle Tracking system to the respective SRO, MPCB. Vehicle tracking data shall be stored in archive data for minimum period of 3 months.
2. Use of unauthorized vehicles other than mentioned below shall attract penal action. You shall obtain amendment to Authorization for any new addition or Deletion of the vehicles during the period of this CCA.

Sr. No.	Vehicle Make	Model Name	Vehicle Registration Number
1	Ashok Layland	Dost Lite	MH03-CV-0255
2	Ashok Layland	Dost Lite	MH03-CV-0256
3	Tata	Ace	MH03-AH-7940
4	Tata	Ace	MH03-AH-7943
5	Tata	Ace	MH03-AH-7944
6	Tata	Ace	MH03-AH-7946
7	Tata	Ace	MH03-AH-7947
8	Tata	Ace	MH03-AH-7949
9	Tata	Ace	MH03-AH-7993
10	Tata	Ace	MH03-AH-8002
11	Tata	Ace	MH03-AH-8004
12	Tata	Ace	MH03-AH-8006
13	Tata	Ace	MH03-AH-8009
14	Tata	Ace	MH03-AH-8010
15	Tata	Ace	MH03-AH-8012
16	Tata	Ace	MH03-AH-8013
17	Tata	Ace	MH03-AH-8014
18	Tata	Ace	MH03-AH-8016
19	Tata	Ace	MH03-AH-8019
20	Tata	Ace	MH03-CD-1928
21	Tata	Ace	MH03-CV-5507
22	Tata	Ace	MH03-CV-5508
23	Tata	Ace	MH03-CV-5509
24	Tata	Ace	MH03-CV-5510
25	Tata	Ace	MH03-CV-5511
26	Tata	Ace	MH03-CV-5512
27	Tata	Ace	MH03-CV-5513
28	Tata	Ace	MH03-CV-5515
29	Tata	Ace	MH03-CV-5516
30	Tata	Ace	MH03-CV-5517
31	Tata	Intrav10	MH03-CV-8239



# Maharashtra Pollution Control Board

## 61c9683da6538422af97ed66

32	Tata	Intrav10	MH03-CV-8327
33	Tata	Intrav10	MH03-CV-8237
34	Tata	Intrav10	MH03-CV-8330
35	Tata	Intrav10	MH03-CV-8328
36	Tata	Intrav10	MH03-CV-8329
37	Ashok Leyland	Dost Lite	MH03-CV-8242
38	Ashok Leyland	Dost Lite	MH03-CV-8243
39	Ashok Leyland	Dost Lite	MH03-CV-8244
40	Ashok Leyland	Dost Lite	MH03-CV-8250
41	Ashok Leyland	Dost Lite	MH03-CV-8251
42	Ashok Leyland	Dost Lite	MH03-CV-8252
43	Ashok Leyland	Dost Lite	MH03-CV-5161
44	Ashok Leyland	Dost Lite	MH03-CV-5129
45	Eisher	Ultra Eisher 1014	MH03-CV-5210
46	Eisher	Ultra Eisher 1014	MH03-CV-5204
47	Tata	LPT 810	MH03-CV-5387
48	Tata	BX 407	MH03-CV-5186
49	Maruti Suzuki	Omni Cargo	MH02-CE-0760
50	Maruti Suzuki	Omni Cargo	MH02-YA-6569
51	Maruti Suzuki	Omni Cargo	MH03-AH-6039
52	Maruti Suzuki	Omni Cargo	MH01-LA-3642
53	Maruti Suzuki	Omni Cargo	MH02-YA-8565
54	Maruti Suzuki	Omni Cargo	MH01-LA-3608
55	Tata	Ace	MH03-CV-2774
56	Tata	Ace	MH03-CV-0273
57	Tata	Ace	MH03-CV-2406
58	Tata	Ace	MH43-AD-7293
59	Swaraj	Mazda	MH15-BJ-4890
60	Swaraj	Mazda	MH15-BJ-6993
61	Swaraj	Mazda	MH15-BJ-5745
62	Swaraj	Mazda	MH15-BJ-4980



3. Body of the Vehicles used for BMW Transportation must be painted from outside with coloured symbol of BIOHAZARD and CYTOTOXIC as shown below, Label shall be NONWASHABLE and be prominently visible on both side of the vehicle body.



4. Name of CTF, Emergency Contact details and warning for safe handling during accident/spillage must be prominently mentioned on both sides of the vehicle must be mentioned on vehicle and must prominently visible.
5. Driver must have valid Driving license and trained to handle emergency.



**SCHEDULE-I**

**Authorization for Management of Bio-Medical Waste (Category and Quantity)**

The authorization is granted for Collection, Transportation, Treatment and disposal of BioMedical Waste (BMW) in waste categories and quantities listed here in below:

\*: You shall treat 50% yellow category waste of your installed capacity till further orders. Excess waste of 50% incineration capacity shall be disposed off at nearby facility as per mutually agreed terms & submit daily records to SRO Mumbai-III

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/Month)	Segregation Colour coding	Treatment & Disposal
1	Yellow *	a) Human Anatomical waste	90500.00	Yellow coloured non- chlorinated plastic bags.	Incineration
		b) Animal Anatomical Waste	50000.00		
		c) Soiled Waste	220000.00		
		d) Expired or Discarded Medicines	100000.00		
		e) Chemical Waste	4500.00		
		f) Chemical Liquid Waste	15000.00	Separate collection system leading to effluent treatment system.	
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	40000.00	Yellow coloured non - chlorinated plastic bags or suitable packing material.	
		h) Microbiology Biotechnology and other clinical laboratory waste	20000.00	Autoclave safe plastic bags or containers.	
2	Red	Contaminated waste (Recyclable)	192000.00	Red coloured non chlorinated plastic bags or containers.	Autoclave treated, Shredded waste shall be sent to MPCB authorized recycler.
3	White (Translucent)	Waste sharps including Metals	3100.00	Puncture proof, Leak proof, tamper proof container.	
4	Blue	a) Glassware	55000.00	Cardboard boxes with Blue coloured marking.	
		b) Metallic body implants	5000.00		



**SCHEDULE-II**

**Responsibilities of the HCE Owner and CTF Operator of the Facility**

1. You shall upgrade /Operate Common BMW Treatment Facility, in accordance with BMW Management Rules, 2016 as amended 2018 and CPCB guidelines issued time to time.
2. You shall ensure that all Health Care Establishments and Institutions generating BMW in your jurisdiction shall obtain membership of the Common Facility and shall hand over the waste to the Facility. Also ensure that records of the members are maintained properly.
3. You shall establish bar code and global positioning system enabled for handling of bio-medical waste
4. You shall ensure Receipt, Treatment and Disposal of only segregated Bio-Medical Waste in colour coded bags from the HCEs within 48 hours from the generation.
5. You shall Supply non-chlorinated plastic coloured bags to the occupier on chargeable basis, if required.
6. You shall ensure mandatory colour coded bins are used for segregation of BMW by the HCEs and Institutions generating BMW.
7. You shall fix the charges for providing services to HCEs in consultation with Medical Association.
8. You shall comply and strictly abide with the conditions stipulated in BMW Management Rules, 2016 as amended 2018.
9. The treated Plastic / Metal Waste shall be handed over to the MPCB authorized recycler only and record shall be maintained & submit to MPCB in Annual report.
10. You shall provide training to all workers involved in handling of bio-medical waste at the time of induction and at least once a year thereafter and maintain record thereof.
11. You shall undertake appropriate medical examination at the time of induction and at least once in a year and immunize all its workers involved in handling of bio medical waste for protection against diseases, including Hepatitis B and Tetanus, that are likely to be transmitted while handling bio medical waste and maintain the records for the same.
12. You shall ensure use of personal protective Equipment such as Heavy Duty Gloves (Workman's Gloves), Gum Boots or safety shoes for waste collectors, Face mask, Head Cap, Splash Proof Gowns or aprons etc., Disposal gloves by waste handlers.
13. You shall develop own website. The website should be uploaded on monthly basis with all the information relating to Bio-Medical waste management including this CCA and other permission and report.
14. You shall maintain a log book for each of its treatment equipment according to weight of batch; categories of waste treated; time, date and duration of treatment cycle and total hours of operation.
15. You shall maintain all record for operation of incineration, autoclaving for a period of five years and produce whenever asked by MPCB authorities.
16. The occupier and operator of a common bio medical waste treatment facility shall be liable for all the damages caused to the environment or the public due to improper handling of bio-medical wastes.
17. You shall ensure submission of Annual Report of BMW for the period Jan to Dec, including category and quantity of BMW collected and Disposed at Facility in Form IV for preceding year before 30th June of every year to the Regional Office, MPCB, Kolhapur and uploading the same to MPCB website.
18. You are responsible to submit application for renewal of Combined Consent & Biomedical Waste authorization before 120 days of expiry.





**SCHEDULE-III**

**Bank Guarantees**

1. Bank Guarantee imposed to ensure timely compliance, to be observed by operator.

Sr.No	Activity / Condition to be Complied	Compliance Timeline (Months)	Bank Guarantee Amount
<b>1A</b>	<b>Operation and Maintenance</b>		
1	To Segregate and Handle BMW as per Schedule I	Continuous	100,000.00
2	Towards Operation and Maintenance of STP/ETP to achieve prescribed discharge standards	Continuous	100,000.00
3	To conduct and meet sterilization validation test and temperature test for autoclave.	Continuous	50,000.00
4	To achieve temprature of primary and secondary chamber of incinerator	Continuous	100,000.00
5	Towards operation and Maintaince of Air Pollution Control Device(s) to achieve prescribed Stack emission.	Continuous	200,000.00
<b>1B</b>	<b>Records</b>		
1	To Maintain records of BMW and submission of Annual Report for preceding calendar year in Form -IV before 30th June every year	Continuous	25,000.00
2	To maintain records of BMW handed over to CBMWTDF	Continuous	25,000.00
<b>Total</b>			<b>6,00,000.00</b>

**Note: You shall extend the above submitted Bank Guarantee valid upto the validity of this CCA + 4 months additional.**



**SCHEDULE-IV**

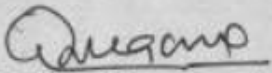
**General Conditions**

**The following general conditions shall apply:-**

1. You 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. Whenever due to any accident or other unforeseen act or event, 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, Executive Engineer MIDC and Local Body. In case of failure of pollution control equipment's, the process connected to it shall be stopped.
3. You 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 operation to abide by terms and conditions of this consent.
4. You 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 15 of the Environment (Protection) (Second Amendment) Rules, 1992.
5. You shall comply with the Hazardous Waste (M, H & TM) Rules, 2016 and submit the Annual Returns as per Rule 20(2) of Hazardous Waste (M, H & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year to Regional Office, Mumbai.
6. You shall engage qualified staff/personnel/agency to see the day to day compliance of consent & authorization condition towards Environment Protection.
7. 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.
8. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the HCE.
9. You 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.
10. You should not cause any nuisance in surrounding area. You shall maintain good housekeeping.
11. You 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.
12. The non-hazardous solid waste arising in the HCE 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.
13. You shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification Dated. 16/11/2009 as amended.

14. You shall submit an official e-mail address and any change will be duly informed to the MPCB.
15. You shall observe provisions of E-waste (Management) Rules 2016 & as amended time to time and Batteries (Management and Handling) Amendment Rules, 2010.
16. An inspection book shall be opened and made available to the Board's officers during their visit to the HCE.
17. In case you use/ handle/ generate the cytotoxic waste you shall strictly adhere to the standards/ SOPs applicable and waste shall be labelled specifically as "Cytotoxic Waste" with symbol on waste containers/ bags and shall handover to BMW CTFs.
18. You shall obtain required permissions from competent authority for radio active material user/ handling/ disposal of waste before commencement of such activity.

**For and on behalf of the  
Maharashtra Pollution Control Board.**

  
**(Ashok Shingare, IAS)  
Member Secretary**





**Maharashtra Pollution Control Board**  
**61c9683da6538422af97ed66**

