

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

**Red/LSI**

Date: 25/10/2019

**Consent No: Format 1.0/BO/PSO/CC- 1910001191**

To

M/s. Mumbai Waste Management Ltd.,  
Plot No. P-32, MIDC Taloja,  
Tal. Panvel, Dist. Raigad-410208  
(Email: [smalgar@ramky.com](mailto:smalgar@ramky.com))

(Owner and Operator of the facility)

**First Combined Consent and Authoriozation (CCA) (Phase -I) to Operate Common collection, Transportation, Treatment, and Disposal facility for Bio-Medical Waste 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. Your previous BMW authorization granted vide MPCB/PAMS/BMW/4350/12/NM/05, Dtd.22.01.2013
2. Your CCA application for C to O received at SRO, Taloja on 21.03.2017.
3. Your application of CCA resubmitted to HQ on 17.01.2019
4. Documents uploaded on 13.02.2019
5. This office email on 25.03.2019, 27.06.2019
6. Your reply received vide email on 01.03.2019, 29.03.2019, 28.06.2019, 29.06.2019 and 05.08.2019
7. Online monitoring system connected from 13.08.2019
8. Minutes of 5th CC meeting held on 27.09.2019

After examining the proposal, The Maharashtra Pollution Control Board hereby grant of 1<sup>st</sup> Consent to Operate Combined Consent and Authorization to operate CBMWTSDF for Phase -I 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-III)** enclosed in this order.

1. This CCA shall be in force for a period from **04.06.2012** to **04.06.2022**
2. The capital investment of the Plant is ₹ **78.03 lakhs** (As per C.A. Certificate Dtd.13.03.2015)
3. Plant Area: - Plot Area 4046.86 M<sup>2</sup> with Built-up area 2832.80 M<sup>2</sup>.
4. The Jurisdiction allocated for waste collection: - Navi Mumbai Municipal Corporation area of Dist. Thane and Khargar, Kalamboli, Kamothe, Panvel, Pen, Alibag and Karjat area of Dist. Raigad

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

1. Quantity of total water consumption shall not exceed 4.6 M<sup>3</sup>/day. You shall not use the ground water without obtaining prior permission of Central Ground Water Authority.
2. You shall provide adequate treatment & disposal facility for sewage & Effluent generated as specified in **Annexure-I**
3. 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:-**

1. You shall use the fuel for incinerator & DG set and provide the adequate air pollution control devices as specified to maintain the emissions from the stack attached to the incinerator and DG set as specified in the **Annexure-II**.
2. You shall provide adequate emission control system to incineration and DG set as specified in **Annexure-II**.
3. You shall strictly observe noise standards applicable for DG set and ambient noise level as per **Annexure-II**.

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

You shall have valid membership of CHWTSDF at MWML, Taloja, Raigad and shall dispose the Hazardous waste generated i.e. ETP sludge, Incineration Ash in strict compliance with said rules and maintain record thereof.

Sr. No.	Type of Waste	HW Category no.	Quantity (MT/Annum)	Disposal
1	ETP Sludge	35.3	As per actual	For Landfill at CHWTSDF
2	Incineration Ash	37.3	13.5	
3	Used Oil	5.1	As per actual	It will be re-used as lubricants in the machineries within the premises only

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/hr.	4500 Kg/day	Annexure II
2	Autoclave	650 Liter/Cycle	16 Cycles/Day (each cycle of 90 min.)	Annexure III
3	Shredder I	200 Kg/hr.	3600 Kg/Day	--

9. You shall use only dedicated RTO registered 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 fresh Bank Guarantee of ₹ 8.50 Lakhs as specified in Schedule-III to The Regional Officer, MPCB, Raigad within 15 days. Non submission of B.G. in specified time shall attract revocation of this CCA without further notice.

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

**(E. Ravendiran, IAS)  
Member Secretary**

**Payment Details:-**

Received Consent and Authorization fee as below:-

Sr. No.	Amount (₹)	DD. No.	Date
1.	5,000/-	TXN1701000490	04.01.2017
2.	73,000/-	TXN1904001171	11.04.2019
3.	25,000/-	TXN1711001462	17.11.2017
4.	34,500/-	TXN1910000852	14.10.2019

**Copy to:**

1. PSO – MPCB- For information and necessary action.
2. Regional Officer – MPCB, Raigad – You are directed to ensure the compliance of the consent conditions.
3. Sub -Regional Officer – Taloja, MPCB – He is directed to monitor monthly compliance of CCA conditions.
4. Chief Accounts Officer, MPCB, Mumbai- for information.
5. I/C EIC- for record & website updating purpose.

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

Sr. No.	Purpose for water consumed	Consumption (in CMD)
1	Industrial Cooling and boiler feed etc.	Nil
2	Domestic purpose	1.2
3	Processing whereby water gets polluted & pollutants are easily biodegradable	2.2
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	Nil
5	Other such as agriculture, gardening, etc.	1.2

b) Conditions for Sewage & Effluent Generation, Treatment and Disposal:-

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1	Domestic effluent	Nil	As per clause 'C'	100% Recycle
2	Trade effluent	1.3	As per clause 'C'	

- 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	
5	COD	250	
6	Total Suspended Solids	100	
7	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.

**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 (litres/hr.)	Stack Height (Mtr)
1	D.G. Set ( 750 KVA)	HSD	150.0	5.4
2	Incinerator	Diesel	34.0	30.0

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>

$$\text{ii. C.E.} = \frac{\text{1. \% CO}_2}{\text{1. \% CO}_2 + \text{\% CO}} \times 100$$

- iii. The temperature of the primary chamber shall be minimum 800°C, and of the secondary chamber shall be minimum 1050<sup>0</sup> ± 50<sup>0</sup> C.

- iv. The secondary chamber gas residence time shall be at least 2 (Two) seconds at 1050<sup>0</sup> ± 50<sup>0</sup> C.

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 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. Activated 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 (IS- 6533) 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.
  - ii. The existing incinerators shall comply with the standards for Dioxins and Furans of 0.1ngTEQ/NM3.
  - 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> and primary and secondary chamber temperature monitoring.
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.

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**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 or
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  $1 \times 10^6$  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.

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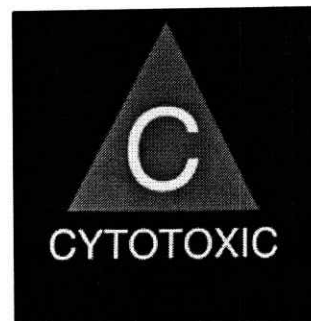
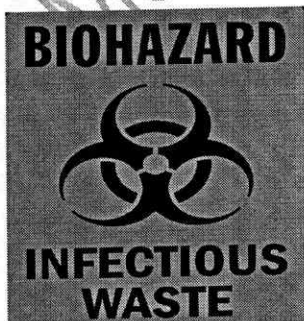


**BMW Collection and Transportation**

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	Capacity (In MT)	Chassis Number
1	Tata	ACE	MH-06-AG-6815	1.5	MAT445051AZA03959
2	Tata	ACE	MH-06-AG-4802	1.5	MAT44505VRZU49241
3	Tata	ACE	MH-46-AF-2203	1.5	MAT445553EZH37960
4	Tata	ACE	MH-46-AF-2204	1.5	MAT445553EVH37880
5	Tata	ACE	MH 46 AF 7708	1.5	MAT4455553FZDI7743
6	Tata	ACE	MH 46 AF 7710	1.5	MAT445553F2D17741
7	Tata	ACE	MH 46 AF 7091	1.5	MAT445553GZJ35074
8	Tata	ACE	MH 46 AF 7094	1.5	MAT445553GZJ35072
9	Tata	ACE	MH-46-BF 1261	1.5	MAT445237JZB10169
10	Tata	ACE	MH-46-BF 1262	1.5	MAT445237JVB10155
11	Tata	ACE	MH-46-BB-5312	1.5	MAT445553HZE16708
12	Tata	ACE	MH-46-AR-7410	1.5	MAT445553GZJ33027
13	Tata	ACE	MH-04-GR-5183	1.5	MAT445082FVD06689
14	Tata	ACE	MH-46-AR-6715	1.5	MAT445238GUH37631
15	Tata	407	MH 46 AR 1840	3.0	MAT455055F8P30244

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 to Manage Bio-Medical Waste (Category and Quantity)**

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

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal
1	Yellow	a) Human Anatomical waste	135000	Yellow coloured non-chlorinated plastic bags	Incineration
		b) Animal Anatomical Waste		Yellow coloured non-chlorinated plastic bags	Incineration or Autoclaving followed shredding treated waste to be sent to authorize recycler.
		c) Soiled Waste			Incineration at temp greater than 1200° C
		d) Expired or Discarded Medicines			Incineration or Encapsulation in HWTSDF
		e) Chemical Waste		Not Applicable	Not Applicable
		f) Chemical Liquid Waste		Yellow coloured non-chlorinated plastic bags or suitable packing material	Non chlorinated Chemical disinfection followed by Incineration
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.		In case of Bedded Hospitals/Path. Labs. / Blood Banks pretreated to sterilize with non-chlorinated chemicals to WHO guidelines & WHO Blue Book. Or in case of others Autoclave safe plastic bags or containers	Incineration.  Pretreated to sterilize with non-chlorinated chemicals to WHO guidelines & WHO Blue Book followed by Incineration.
		h) Microbiology Biotechnology and other clinical laboratory waste			
2	Red	Contaminated waste (Recyclable)	312000	Red coloured non chlorinated plastic bags or containers	Autoclave treated shredded waste sent to plastic recycler authorized under PWM & BMWM rules, 2016.
3	White (Translucent)	Waste sharps including Metals		Puncture proof, Leak proof, tamper proof container	Autoclave treated mutilated waste sent to for final disposal to iron foundries having MPCB authorization or Concrete waste sharp pit
4	Blue	a. Glassware		Puncture proof / Leak proof boxes or Containers with Blue coloured marking.	Autoclave treated shredded waste sent to authorize glass recycler.
		b. Metallic body implants			

**A) Responsibilities of the Owner of the Facility**

1. You shall ensure upgradation / Operation of Common BMW Treatment Facility, in accordance with BMW Management Rules, 2016 as amended 2018, CPCB guidelines issued time to time and terms and conditions mentioned herein this CCA.
2. You shall provide suitable land to establish / upgrade the existing CBMWTSDf in compliance with CPCB Guidelines and BMW Rules.
3. 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.
4. You shall ensure mandatory color coded bins are used for segregation of BMW by the HCEs and Institutions generating BMW.
5. You shall ensure the charges are fixed in consultation with Medical Association and the Facility Operator and are timely paid for providing services to HCEs.
6. You shall ensure that the Facility Operator shall set up / upgrade the existing facility within given time frame in compliance with CPCB guidelines, BMW Rules and directions given by MPCB, time to time.
7. You shall ensure submission of Annual Report of BMW by Facility Operator including category and quantity of BMW collected and treated at Facility before 30th June of preceding year to the Regional Office, MPCB, Raigad.
8. You shall not cancel or suspend the agreement of the Facility Operator before its maturity without prior approval of this Board.
9. You shall give advance information to the Board about termination or change of Facility infrastructure and /or Operator and shall get modification, capacity enhancement, Combined Consent and Authorization (CCA) amendment prior to implementation of such additions /alternations or changes, if any.
10. In case termination of agreement after expiry of agreement term by Navi Mumbai Municipal Corporation with the facility operator M/s. Mumbai Waste Management Ltd., Municipal Corporation shall ensure prior alternate arrangements for Biomedical waste Management in their jurisdiction and shall ensure valid CCA is obtained by new operator from MPCB before any effective changes.

**B) Responsibilities of the Operator of the Facility**

1. You shall ensure upgradation / Operation of Common BMW Treatment Facility, in accordance with BMW Management Rules, 2016 as amended 2018, CPCB guidelines issued time to time and terms and conditions mentioned herein this CCA.
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 and shall dispose off 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 hand over treated Plastic / Metal Waste to the MPCB authorized recycler only and record shall be maintained & submit to MPCB in Annual report.
9. You shall dispose of incineration ash and ETP sludge at CHWTSDF, MWML, Talaja.
10. Operator shall collect the BMW only from NMMC area and shall not exceed their existing capacity of the facility for disposal of waste.
11. 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.
12. 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.
13. 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.
14. You shall develop own website not later than **16.03.2020** .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.
15. 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.
16. You shall maintain all record for operation of incineration, autoclaving for a period of five years and produce whenever asked by MPCB authorities.
17. 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.
18. 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 30<sup>th</sup> June of every year to the Regional Office, MPCB, Raigad and uploading the same to MPCB website.
19. You shall comply and strictly abide with the conditions stipulated in BMW Management Rules, 2016 as amended 2018
20. Municipal Authority and Facility Operator shall be jointly responsible to submit application for renewal of Combined Consent & Biomedical Waste authorization well before.

**Bank Guarantees**

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

Sr. No.	Activity / Condition to be Complied	Compliance Timeline (in Months)	Bank Guarantee Amount (₹)
<b>I</b>	<b>Operation and Maintenance</b>		
1	To achieve temperature of Primary and Secondary chamber of Incinerator	Continuous	1,00,000/-
2	To Operate and maintain Air Pollution Control Device(s) to achieve prescribed Stack emissions	Continuous	1,00,000/-
3	Operation and Maintenance of ETP to achieve prescribed discharge standard	Continuous	1,00,000/-
4	To conduct and meet sterilization validation test and temperature test for Autoclave	Continuous	50,000/-
<b>II</b>	<b>Records</b>		
1	To Maintain records of BMW and submission of Annual Report in Form -IV before 30 <sup>th</sup> June	Continuous	25,000/-
2	To maintain records of HW material delivered to CHWTSDF	Continuous	25,000
<b>II</b>	<b>Performance</b>		
1	To install the ETP to achieve prescribed standards	Three	4,00,000/-
2	To provide separate BMW storage facility as per CPCB guidelines	Six	50,000/-
		<b>Total</b>	<b>8,50,000/-</b>

**Rupees Eight Lakh Fifty Thousand only.**

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

- II. You shall submit compliance of Bank Guarantee conditions every Three months to Regional Officer, Raigad for verification purpose.

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**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. Voluntary Closure: In case of any accident you shall inform forthwith in writing to the local Regional Officer/ Sub Regional Officer of MPCB and consent granting authority and shall not start the operations without permission of Board.
4. 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.
5. You shall submit to this office, the 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 15 of the Environment (Protection) (Second Amendment) Rules, 1992.
6. 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 30<sup>th</sup> June of every year to Regional Office, Raigad.
7. You shall engage qualified staff/personnel/agency to see the day to day compliance of consent & authorization condition towards Environment Protection.
8. 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.
9. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the HCE.
10. 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.

11. You should not cause any nuisance in surrounding area. You shall maintain good housekeeping.
12. You shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted.
13. The non-hazardous solid waste arising in the facility 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.
14. You shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification Dated. 16/11/2009 as amended.
15. You shall submit an official e-mail address and any change will be duly informed to the MPCB.
16. You shall observe provisions of E-waste (Management) Rules 2016 & as amended time to time and Batteries (Management and Handling) Amendment Rules, 2010.
17. An inspection book shall be opened and made available to the Board's officers during their visit to the CBMWTSDF.

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