

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781
Fax: 24024068/24023515
Website: <http://mpcb.gov.in>
Email: ps@mpcb.gov.in



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

RED/S.S.I

Date: 25/02/2022

No:- Format1.0/PSO/UAN No.0000123747/CR/2202001663

To,
M/S JAI BHAVANI BIO MEDICARE
SYSTEMS
G-170 MIDC, BARAMATI, DIST PUNE
413133, M/S JAI BHAVANI BIO MEDICARE
SYSTEMS
BARAMATI,
Pune-413102

(Operator and Owner of facility)

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. Combine Consent and Bio-Medical Waste Authorization granted by the Board vide no. Format1.0/PSO/UAN No.000005716/CR-2108000039 dtd 11.08.2021.
 2. Your application for Combine Consent and Bio-Medical Waste Authorization dated 08/11/2021
 3. Field visit Report dtd 30.11.2021.
 4. SCN for refusal issued on 10.01.2022.
 5. Your reply dtd 17.01.2021 & 18.01.2021
 6. This office Email dtd 02.02.2022
 7. Your reply dtd 04.02.2022, 10.02.2022 & 12.02.2022

After examining the proposal, The Maharashtra Pollution Control Board hereby Renew Combined Consent and BMW Authorization to CBMWTSDF 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-IV)** enclosed in this order.

1. This CCA shall be in force for a period From **01-11-2021** To **31-10-2026**
2. The capital investment of the Plant is **₹99.37** Lakhs
3. Plant Area: - Plot Area 1500.00 M² with Built-up area 500.00 M².
4. The Jurisdiction allocated for waste collection: - All Talukas of Dist. Taluka-Baramati, Indapur, Daund, Purandar, Bhore, Velhe, and the area Yevat, Urli Kanchan, Sortapwadi, Kadamwak Vasti, Loni-Kalbhor, Theur, Wagholi, Kharadi, Hadapsar, Manjari, Fursungi and Pisoli of Pune District and Taluka-Phaltan of Satara District.

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

1. Quantity of total water consumption shall not exceed 7.50 M³/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 DG set and incinerator 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 DG set and incinerator as specified in **Annexure-II**.
3. 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 RANJANGAON
2	35.3 Chemical sludge from waste water treatment	37.2	As per Actual	CHWTSDF RANJANGAON

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	Incinerator	120 Kg/Hr	2160 Kg/Day	As per Annexure II
2	Autoclave	250 Ltr/Cycle	4000 Lit/Day	As per Annexure-III
3	Shredder	50 Kg/Hr	1000 Kg/Day	

Part A - Responsibility of Commissioner, (Owner of Facility):

1. 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. This consent is issued with overriding effect on earlier Consent to Establish/Operate granted by the Board vide no. Consent No. MPCB/13/07367 MPCB/ROK/SROJ-II-696/2275/2013, dated 31/08/2013.
5. This consent is issued pursuant to the decision of the 6th Consent Appraisal Committee Meeting held on 17/12/218 & 18/12/2018.
6. This Consent is issued subject to an order passed or may be passed by Hon'able (Court Name) in application no. xxxxx in the matter of xxxxxxxxx.
7. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. SEAC-2013/CR-259/TC-2 dtd. 14/12/2015.
8. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .

Part B – Responsibility of JAI BHAVANI BIO- MEDICARE SYSTEMS(Facility Operator) :

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. 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 MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.

4. The applicant shall maintain good housekeeping.
5. 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.
6. 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.
7. 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.
8. 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).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. 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.
11. 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.
12. 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.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. 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.
16. 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.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, 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.

18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. 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).
20. 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.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. 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.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. 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.
26. 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.
27. 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.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. 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.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.

31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
 32. 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).
 33. 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.
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).
 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.

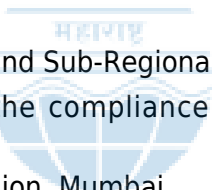
20. As per SRO report the BG of Rs.1.0 lakh is eligible for release as the facility has provided a vehicle tracking system and barcode system and also BG of Rs.2.0 lakh is eligible for release as the facility has upgraded the incinerator to 2 sec residence time.
21. The BG of Rs.1.0 lakh is forfeited for improper O&M of APCD and Double BG i.e. Rs.2.0 lakh is imposed for the same.
22. You shall submit a BG of Rs. 4.50 lakh as specified in Schedule-III to the Regional Officer, MPCB, Pune within 30 days. Nonsubmission of BG in a specified time shall attract revocation of this CCA without further notice.

Received Consent/Authorization fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	25000.00	TXN2110001330	15/10/2021	Online Payment
2	17500.00	TXN2110001331	15/10/2021	Online Payment
3	70000.00	TXN2111000356	08/11/2021	Online Payment

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- 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.
4. Sub Regional Officer, MPCB, Pune-I -You shall ensure monthly inspection and monitoring of APCD & ETP and submit proposal for legal action if violations observed.
5. Commissioner, Pune Municipal Corporation- MPCB has authorize M/s Jai Bhavani Biomedicare Systems, Baramati for collection, transportation, treatment and disposal of bio medical waste generated in the area Yevat, Urli Kanchan, Sortapwadi, Kadamwak Vasti,



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	2.00
2.	Domestic purpose	0.50
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	2.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Other such as agriculture, gardening, etc.	3.00

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	0	As per clause 'C'	100% Recycle
2	Trade effluent	4	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.

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	DIESEL	70.00 Ltr/Hr	30.00
2	DG Set 5.0 KVA	DIESEL	40.00 Ltr/Hr	3.50

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. % CO₂

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

1. % CO₂ + % CO

iii. The temperature of the primary chamber shall be minimum 800C, 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/Nm³ unless stated
1	Particulate matter	50
2	Nitrogen Oxides	400
3	HCL	50
4	Total Dioxin & Furans	0.1 ngTEQ/Nm ³ (at 11% O ₂)
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:-

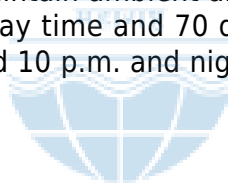
- i. Volatile organic compounds in the ash shall not be more than 0.01%.
- ii. The Applicant shall provide ports in the chimney and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's staff. The chimneys shall 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 CO₂, CO and O₂.
 - 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 CO₂, CO and O₂.
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.



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 1×10^6 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.

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	Tata	Ace	MH-11-T-4352
2	Tata	ACE	MH-42-B-4565
3	Ashok Lelyand	Dost	MH-42-M-8111
4	Mahindra & Mahindra	Bolero Pickup	MH-42-AF-8111
5	Mahindra & Mahindra	Bolero Pickup	MH-42-AQ-3211
6	Mahindra & Mahindra	Bolero Pickup	MH-42-AQ-7211
7	Mahindra & Mahindra	Bolero Pickup	MH -42- AQ- 8611

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:

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/Month)	Segregation Colour coding	Treatment & Disposal
1	Yellow	a) Human Anatomical waste	6000.00	Yellow coloured non- chlorinated plastic bags.	Incineration
		b) Animal Anatomical Waste	500.00		
		c) Soiled Waste	45000.00		
		d) Expired or Discarded Medicines	6000.00		
		e) Chemical Waste	0.00		
		f) Chemical Liquid Waste	0.00	Separate collection system leading to effluent treatment system.	
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	3000.00	Yellow coloured non - chlorinated plastic bags or suitable packing material.	
		h) Microbiology Biotechnology and other clinical laboratory waste	5000.00	Autoclave safe plastic bags or containers.	
2	Red	Contaminated waste (Recyclable)	45000.00	Red coloured non chlorinated plastic bags or containers.	Autoclaved treated and shredded Bio medical Waste shall be sent to MPCB authorized BMW-CTF
3	White (Translucent)	Waste sharps including Metals	4001.00	Puncture proof, Leak proof, tamper proof container.	
4	Blue	a) Glassware	17000.00	Cardboard boxes with Blue coloured marking.	
		b) Metallic body implants	500.00		

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.

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
1A	Operation and Maintenance		
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	Towards operation and Maintenance of Air Pollution Control Device(s) to achieve the prescribed emission standard.	Continuous	200,000.00
1B	Records		
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 CBMWTFD	Continuous	25,000.00
Total			4,50,000.00

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

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, Pune.
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.

This certificate is digitally & electronically signed.

