



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

RED-SMALL

CCA-Renewal
BMW: 31/12/2027

CONSENT NO: ***

PCB ID: 107454

Outward No:116898,05/12/2022

Consent No:B-57103

To,
The Occupier,
M/s. India Waste Management (P) Ltd.,
E-3 Sector, New Industrial Area No. II, Mandideep,
Tal : Goharganj, Dist : Raisen (M.P.) - 462046

Subject: Grant of Authorization under Bio-Medical Waste Management Rules, 2016.

Ref: Your Application Receipt No. 1234088 Dt. 14/11/2022 and last communication received on Dt. 21/11/2022

With reference to your above application for Authorization under Bio- Medical Waste Management Rules, 2016 has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant BMW Authorization **up to 31/12/2027**, subject to the fulfillment of the terms & conditions incorporated in the Authorisation No: AWHB-53059 issued vide Outward No: 102133 dated 21/02/2021 and enclosed with this letter.

SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: E-3 Sector, New Industrial Area No. II, Mandideep, Tal : Goharganj, Dist : Raisen (M.P.) - 462046
- The capital investment : Rs. 8.33 Crore
- Activity Capacity:

Activity	Equipment	Capacity Installed
Common Bio-Medical Waste Treatment Facility	INCINERATOR	250 Kg/hour
	AUTOCLAVE	2 x 430 Lit./Cycle
	SHREDDER	2 x 100 Kg /hour

Note:- 1. For any change in above CBWTF shall obtain fresh consent from the board.

2. The occupier of the facility should cover exclusively Bhopal and Raisen district for the collection, transportation, treatment and disposal of generated -Biomedical waste from the HCFs situated there in along with services in their overlapping area of the 75 Km radius in addition to their coverage area.

The Validity of the BMW authorisation is **up to 31/12/2027** and has to be renewed before expiry of the same. Online application through XGN with annual license fees in this regard shall be submitted to this office 3 months before expiry of the Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under BMWM Rules
- * General conditions

By the order of Chairman, MPPCB



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 7ET8S5MEEP

CHANDRA MOHAN THAKUR
Member Secretary



FORM –III

(See rule 10)

AUTHORISATION

(Authorisation for operating a facility for collection, reception, treatment, storage, transport and disposal of biomedical wastes)

1. File number of authorisation and date of issue - **COW-1234088 Dt. 14/11/2022.**

2. **M/s. India Waste Management (P) Ltd.,** an occupier of the CBWTF located at **E-3 Sector, New Industrial Area No. II, Mandideep, Tal : Goharganj, Dist : Raisen (M.P.) – 462046** is hereby granted an authorisation for following activities:

- ✓ Collection,
- ✓ Storage,
- ✓ Packaging
- ✓ Reception
- ✓ Transportation
- ✓ Treatment or processing or conversion
- ✓ Disposal or destruction

3. **M/s. India Waste Management (P) Ltd.,** an occupier of the CBWTF is hereby authorized for handling of biomedical waste as per the capacity given below;

(i) Number of beds of HCF: --

(ii) Number healthcare facilities covered by CBMWTF: --

(iii) Installed treatment and disposal capacity: -- 250 Kg per hour (Incinerator)

(iv) Area or distance covered by CBMWTF: -- Bhopal & Raisen District

(v) Quantity of Biomedical waste handled, treated or disposed: --

Type of Waste Category	Quantity permitted for Handling (Kg/day)
Yellow	-- 4500.00
Red	-- 1333.33
White (Translucent)	-- 33.33
Blue	-- 833.33

3. This authorization shall be in force for a period up to **31/12/2027.**

4. This authorisation is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.

Terms & Conditions of Authorization :-

1. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the prescribed authority.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical wastes without obtaining prior permission of the prescribed authority.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorize shall constitute a breach of his authorization.
5. It is duty of the authorize person to take prior permission of the prescribe authority to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.

The additional conditions for CBWTF shall be as follows:

1. The grant of this authorization is subject to the terms and conditions granted to the Facility.
2. The occupier of the facility shall operate and maintain CBWTF as per guidelines of Central Pollution Control Board 2016 for CBWTF. The operational conditions such as temperature, air Feed rate, retention time etc and air pollution control arrangement of the incinerator shall be ensured as per Schedule-II of Bio Medical Waste Management Rules, 2016.
3. The person authorized shall ensure that the treated effluent shall conform to the standards prescribed in Schedule - II of rules and submit report to Board on quarter yearly basis. The occupier of the facility shall fully utilize the treated effluent within their premises for plantation purposes, etc.
4. The occupier of C.B.W.T.F. shall carry out stack emission test of incinerator, incinerator ash test, validation test of autoclave and applicable parameters of effluent being discharged from the ETP quarter yearly from NABL accredited laboratory and submit the quarter yearly report to the Board.
5. A separate log book for the operation and maintenance of the incinerator, autoclave, shredder & ETP shall be kept and shall be made available for inspection any time.

Consent No:B-57103



6. The transportation vehicle for carrying the waste to the facility shall be specially designed as per Central Pollution Control Board (CPCB) guidelines for CBWTF. The vehicle shall also be properly installed GPS, labelled with the related symbols etc. as per rules.
7. The collection and transportation of the BMW the C.B.W.T.F. shall be ensured in accordance with the Rule 7 & 8 of BMW Rules. Its treatment & disposal shall be as per Schedule-I of Rules 2016.
8. The person authorized shall maintain categories wise records of Bio-Medical Waste received, treated & disposed at CBWTF as per Schedule-I of the Bio-Medical Waste Management Rules, 2016 and should submit the annual return in Form-IV-A by 30th of June every year as per the rule 13 to the Head office and Regional office of the Board.
9. The person authorized shall store incineration ash safely and dispose it through TSDF, Pithampur as per guidelines of CPCB.
10. The C.B.W.T.F. operators shall inform about such health care units that are not handling and segregating Bio-Medical Waste properly and the same shall be communicated to the Board from time to time.
11. The C.B.W.T.F. operator shall establish bar coding and global positioning system for handling of bio-medical waste as per BMW Rule, 2016.
12. The C.B.W.T.F. operator shall install and ensure the operation/calibration of CEMS in facility and should ensure connectivity with SPCB/CPCB server. And also install the PTZ cameras showing ETP, BMW storage area and Stack Emission conditions regarding.
13. The C.B.W.T.F. operator shall display authorization order, Annual report etc. on its website.
14. The C.B.W.T.F. operator shall ensure collection of biomedical waste on holidays also.
15. The C.B.W.T.F. operator shall operate incinerator to achieve the standards for retention time in secondary chamber as per BMW Rule, 2016.
16. The person authorized shall maintain good housekeeping, regular cleaning of storage room & sharp pit etc. to avoid odour nuisance.
17. The Facility shall submit a fresh application for renewal of authorization with requisite fee before 90 days of expiry of this authorization with compliance report of conditions mentioned in original authorization letter and its subsequent renewal letter.
18. Mercury waste shall not be mixed with BMW, shall be collected, segregated & stored into separate containers and it shall be disposed off in accordance with provisions of the Hazardous and Other Waste (Management, and Transboundary Movement) Rules, 2016.
19. The occupier of the facility shall ensure that the all CBWTF equipments like incinerator, autoclave, shredder etc shall fulfill all the requirements of the Bio-medical Waste Management Rules, 2016 and the criteria for combustion efficiency, primary and secondary temperature, emission and effluent quality standards, standards for autoclaves etc shall be compliant with the provisions of the Schedule II of the Rules as well as the guidelines published by Central Pollution Control Board from time to time.
20. **The CBWTF Facility shall comply with the conditions of EC issued by MPSEIAA vide letter No. 1530/SEIAA/2018 Dt. 12/10/2018**
21. CBWTF shall install and maintain "Outdoor HD Industrial grade IP (Internet Protocol) cameras with Pan-Tilt-Zoom (PTZ) feature, minimum focal length 20X with night vision facility and tamper proof mechanism" at ETP outlets, BMW/hazardous waste storage sites and chimney of the unit to display all emission sources and effluent discharge points and connect the same with Environment Surveillance Centre, M.P. Pollution Control Board Bhopal for remote surveillance.
22. The Board reserves all the right to amend/cancel/revoke the condition of this authorization in part or whole as and when deemed necessary. Facility shall be responsible for any violation of provisions of Bio-Medical Waste Management Rules, 2016 and shall be liable for prosecution and punishment as per the provisions of Environmental (Protection) Act, 1986.

23. STANDARDS FOR AUTOCLAVING OF BIO-MEDICAL WASTE.-

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

- (a) When operating a gravity flow autoclave, medical waste shall be subjected to:
 - (i) a temperature of not less than 121° C and pressure of 15 pounds per square inch (psi) for an autoclave residence time of not less than 60 minutes; or
 - (ii) a temperature of not less than 135° C and a pressure of 31 psi for an autoclave residence time of not less than 45 minutes; or
 - (iii) a temperature of not less than 149° C and a pressure of 52 psi for an autoclave residence time of not less than 30 minutes.
- (b) 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 air removed during the pre-vacuum, cycle should be decontaminated by means of HEPA and activated carbon filtration, steam treatment, or any other method to prevent release of pathogen. The waste shall be subjected to the following:
 - (i) a temperature of not less than 121°C and pressure of 15 psi per an autoclave residence time of not less than 45 minutes; or
 - (ii) a temperature of not less than 135°C and a pressure of 31 psi for an autoclave residence time of not less than 30 minutes;



(c) Medical waste shall not be considered as 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 indicator 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.

(d) **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.

(e) **Validation test for autoclave:** The validation test shall use four biological indicator strips, one shall be used as a control and left at room temperature, and three shall be placed in the approximate center of three containers with the waste. Personal protective equipment (gloves, face mask and coveralls) shall be used when opening containers for the purpose of placing the biological indicators. At least one of the containers with a biological indicator should be placed in the most difficult location for steam to penetrate, generally the bottom center of the waste pile. **The occupier or operator shall conduct this test three consecutive times to define the minimum operating conditions.** The temperature, pressure and residence time at which all biological indicator vials or strips for three consecutive tests show complete inactivation of the spores shall define the minimum operating conditions for the autoclave. After determining the minimum temperature, pressure and residence time, **the occupier or operator of a common biomedical waste treatment facility shall conduct this test once in three months and records in this regard shall be maintained.**

(6) **Routine Test:** A chemical indicator strip or tape that changes colour 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 locations to ensure that the inner content of the package has been adequately autoclaved. **The occupier or operator of a common bio medical waste treatment facility shall conduct Routine test during autoclaving of each batch and records in this regard shall be maintained.**

(7) **Spore testing:** 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 *Geobacillusstearothermophilus* spores using vials or spore Strips; with at least 1X10⁶ spores. 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. **The occupier or operator of a common bio medical waste treatment and disposal facility shall conduct this test at least once in every week and records in this regard shall be maintained.**

GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this authorisation does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. CBWTF shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This authorisation is granted in respect of Bio-Medical Waste Management Rules, 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The Unit shall submit environmental statement for the previous year ending 31st March on or before 30th

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September every year to the Board.

9. CBWTF shall obtain membership of Emergency Response Center of the Board if needed.

10. Knowingly making any false statement for obtaining authorisation/consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

11. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

12. On violation of any of the above-mentioned conditions the consent/ authorisation granted will automatically be taken as canceled and necessary action will be initiated against the CBWTF.

Additional condition:-

- CBWTF unit shall submit Dioxin and Furans testing report as per the provisions of the Rule.
- CBWTF shall dispose solid and Hazardous generated and stored on the premises as per the relevant rules and their provisions.
- PP shall treat and dispose the plastic waste as per the Bio-Medical Waste Management Rules, 2016 and comply with the provisions of the Plastic Waste Management Rules, 2021 during the same.

Authorization as required under the Bio-Medical Waste Management Rules, 2016 is granted to your Facility subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least three months before the date of expiry of this authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
M.P. Pollution Control Board

By the order of Chairman, MPPCB

CHANDRA MOHAN THAKUR
Member Secretary



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