



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
Validity W/A: 30/04/2027
Validity BMW: 30/04/2027
Validity HOWM: 30/04/2031

CONSENT NO: ***

PCB ID: 110862

Outward No:115520,14/05/2022

Consent No:AWHB-55893

To,

The Occupier,

M/s. Devis Surgico (CBWTF Sagar) C/o-Bundelkhand Medical College, Sagar,

Gram Habsili, Khurai Bina Road, Sagar,

Tehsil & Distt.- Sagar (M.P.) - 470001

Subject: Renewal of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, Authorization under Bio-Medical Waste Management Rules, 2016 and Authorization under Hazardous and other Waste (Management & Transboundary Movement) Rules, 2016.

Ref: Your Consent to Operate Application Receipt No. 1153398 Dt. 17/04/2022 and last communication received on Dt. 27/04/2022

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant Air/water consent & BMW Authorization up to 30/04/2027 and HOWM Authorization up to 30/04/2031, subject to the fulfillment of the terms & conditions incorporated in the consent/ authorisation Outward No:112676,17/05/2021 and as enclosed with this letter.

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Gram Habsili, Khurai Bina Road, Sagar, Tehsil & Distt.- Sagar (M.P.) - 470001
- b. The capital investment : Rs. 2.27 Crore
- c. Activity Capacity:

Activity	Equipment	CCA Capacity
Common Bio-Medical Waste Treatment Facility	INCINERATOR	100 Kg/hour
	AUTOCLAVE	250 Lit./batch
	SHREDDER	50 Kg/hour
	ETP	06 KLD
	D G Sets	30 KVA

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

2. The permission under the Bio-medical waste has been granted to Indowater Management and Pollution Control Corporation (CBWTF) vide Outward No: 115128 dated 01/04/2022 and Satna, Panna, Rewa, Chhatarpur, Damoh, Sidhi & Singrauli districts are allotted to them. The incinerator of the above CBWTF is not in operation at present due to closure order issued by the Board, but they are allowed for collection and transportation of the bio-medical waste. The occupier is allowed to manage the biomedical waste generated from the health facilities of District Sagar, Niwari and Tikamgarh alongwith the incineration of biomedical waste from the health facilities of District Chhatarpur and Damoh till the decision is being taken on the permission to operate the incinerator by Indowater Management and Pollution Control Corporation (CBWTF), Satna in the limits of 10000 Beds.

The Validity of the consent & BMW authorisation is up to 30/04/2027, Hazardous Waste Authorisation up to 30/04/2031 has to be renewed before its expiry. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * Conditions under Hazardous Rules
- * Conditions under BMW Rules

Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 14/05/2022 09:59:20 AM

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # J48GTWLF2E

ACHYUT ANAND MISHRA
Member Secretary



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CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent shall not exceed **4.000 KL/day**, and the daily quantity of sewage shall not exceed **0.500 KL/day**

2. Trade Effluent Treatment:-

The applicant shall maintain the effluent treatment system so as to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD ₃ Days 27°C	Not exceed	30 mg/l.	Bio Assay Test	Bio Assay Test 90% survival of fish in 100% effluent after 96 hours.	
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall maintain the sewage treatment system so as to achieve following standards-

pH	Between	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₃ Days 27°C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
Fecal Coliform	Not exceed	1000 (MPN/100 ml)

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 6.000	WWG : 4.500	Water Source
1	Domestic Purpose	1.000	0.500	Borewell
2	Others activities	5.000	4.000	Borewell

4. The effluent/sewage shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

8. Prohibition of bypass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- where unavoidable to prevent loss of life or severe property damage, or
- Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

9. CBWTF management shall submit the information online through the link "Periodic Compliances" provided on XGN in reference to compliance of consent conditions.

Additional Water condition:-

- Surface drain network must be kept separate & unit shall ensure that under no circumstances drains/pipes carrying waste water shall be connected to the surface drain.

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CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

- The applicant shall maintain the air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of pollution and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height(mtrs)	Fuel	Control equipment installed	P.M, HCl, NO ₂ , Hg (mg/Nm ³), Dioxin & Furans (ngTEQ/ Nm ³)
Incinerator	100 Kg/hr	30	Diesel	Bag Filter, Scrubber	50, 50,400,0.05, 0.1
D.G. Sets	30 KVA	2	Diesel	Acoustic enclosure	As per MoEF&CC /CPCB Guidelines

Standards for Incineration.- All incinerators shall meet the following operating and emission standards-

A. Operating standards

- Combustion efficiency (CE) shall be at least 99%.
- The combustion efficiency is computed as follows:

$$C. E. = \frac{\%CO_2}{\%CO_2 + \%CO} \times 100$$

- The temperature of the primary chamber shall be minimum of 800°C and the secondary chamber shall be minimum of 1050 + or - 500C.
- The secondary chamber gas residence time shall be at least two seconds.

B. Emission Standards

S.No.	Parameter	Standards	
1	2	3	4
		Limiting concentration in mg/Nm ³ unless stated	Sampling duration in minutes unless stated
1	Particular matter	50	10 or 1 NM ³ of sampling volume, which is more
2	Nitrogen Oxides and NO ₂ expressed as NO ₂	400	30 for online sampling or grab sample
3	HCl	50	30 or 1 NM ³ of sample volume, whichever is more
4	Total Dioxins and Furans	0.1 ng TEQ/NM ³ (at 11% O ₂)	8 hours or 5 NM ³ of sample volume, which is more
5	Hg and its compounds	0.05	2 hours or 1 NM ³ of sample volume, which is more

- Stack Height:** 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 generation parameters as notified under the Environment (Protection) Act, 1986 and in accordance with the CPCB guidelines of emission regulation Part-II.
 - 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.
 - The occupier or operator of a common bio-medical waste treatment facility shall monitor the stack gaseous emissions (under optimum capacity of the incinerator) once in three months through a laboratory approved under the Environment (Protection) Act, 1986 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.
 - All monitored values shall be corrected to 11% Oxygen on dry basis.
 - Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants.
 - Incinerators (combustion chambers) shall be operated with such temperature, retention time and turbulence, as to achieve Total Organic Carbon content in the slag and bottom ashes less than 3% or their loss on ignition shall be less than 5% of the dry weight.
 - The occupier or operator of a common bio-medical waste incinerator shall use combustion gas analyzer to measure CO₂, CO and O₂.
- Ambient air quality at the boundary of the unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:
 - Particulate Matter (less than 10 micron) - 100 µg/m³ (PM10 µg/m³ 24 hrs. basis)
 - Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
 - Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
 - Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
 - Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³
 - CBWTF shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

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4. The CBWTF shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.
5. The CBWTF shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.
6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.
7. The CBWTF shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises
8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.
9. CBWTF shall take effective steps for extensive tree plantation within or around the unit premises for general improvement of environmental conditions and as stated in additional condition, (Minimum number of plants to be planted by the unit:-250)

Additional Air condition:-

1. CBWTF shall write its name on stack with heat resistant paint.
2. CBWTF shall ensure to update information on the the COVID-19 BMW app regularly.

CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

FORM-2 **[See rule 6 (2)]**

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. Number of authorisation and date of issue :
2. Reference of application (No. and date) : COW-1153398, dt: 17/04/2022
3. The Occupier of M/s. Devis Surgico (CBWTF Sagar) C/o-Bundelkhand Medical College, Sagar, is hereby granted an authorisation for generation, collection, reception, storage, transport, disposal of hazardous or other wastes on the premises situated at- Gram Habsili, Khurai Bina Road, Sagar, Tehsil & Distt.- Sagar (M.P.) - 470001

Details of Authorisation

Category of Hazardous Waste as per the Schedules I of these rules	Authorised mode of disposal	Quantity (ton/annum)
Used or Spent Oil (5.1)	Through Authorised Recycler	0.020-M.T
Ash from incinerator and flue gas cleaning residue (37.2)	Sent to TSDF	5.000-M.T
Chemical sludge from waste water treatment (35.3)	Sent to TSDF	1.000-M.T

- (1) The authorisation shall be valid for a period up to 30/04/2031.
- (2) The authorisation is subject to the following general and specific conditions

A. General conditions of authorisation:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be consistent with the specific conditions of authorisation.



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9. An application for the renewal of an authorisation shall be made as laid down under these Rules.
10. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
11. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
12. 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.

B. Specific conditions:

1. The CBWTF shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. Ash from incineration of biomedical waste shall be disposed of at common hazardous waste treatment and disposal facility, the facility shall obtain membership of TSDF.

Additional Haz condition:-

1. The CBWTF shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th june every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annually.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.
7. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13(i) of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.
8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.

Packing, Labeling & Transportation of Hazardous wastes :-

- (i) The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with seven copies of the manifest as per the colour codes as per rule 19(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 7 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 7 of the manifest duly signed with date to the operator of the facility along with the waste consignment.

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-1153398, dt: 17/04/2022.
2. M/s. Devis Surgico (CBWTF Sagar) C/o-Bundelkhand Medical College, Sagar, an occupier of the CBWTF located at Gram Habsili, Khurai Bina Road, Sagar, Tehsil & Distt.- Sagar (M.P.) - 470001 is hereby granted an authorisation for following activities:
 - ✓ Collection,
 - ✓ Storage,
 - ✓ Packaging
 - ✓ Reception
 - ✓ Transportation
 - ✓ Treatment or processing or conversion
 - ✓ Disposal or destruction

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3. M/s. Devis Surgico (CBWTF Sagar) C/o-Bundelkhand Medical College, Sagar, 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 CBWTF: --
(iii) Installed treatment and disposal capacity: -- 100 Kg per hour (Incinerator)
(iv) Area or distance covered by CBWTF: -- 1. Sagar, Niwari & Tikamgarh, 2. Damoh Chhatarpur till further orders
(v) Quantity of Biomedical waste handled, treated or disposed: --

Type of Waste Category	Quantity permitted for Handling (Kg/day)
Yellow	-- 600.00
Red	-- 333.33
White (Translucent)	-- 6.67
Blue	-- 100.00

3. This authorization shall be in force for a period up to 30/04/2027.

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.
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.

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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 conditions specified in the Environmental Clearance granted by MPSEIAA vide its letter no. I492 /SEIAA/2019 dated 03-07-2019 shall be complied.
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.**
- (24) **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.**
- (25) **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.**

Consent No:AWHB-55893



Consent Order

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

GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/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:
 - a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
 - b. 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.
 - c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
 - d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
 - e. To sample at reasonable times any discharge or pollutants.
3. This consent / 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 Consent 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.
6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of BMWM Rules, 2016 or Hazardous and other Waste (Management & Transboundary movement) 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 facility shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
9. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the Water Act or the Air Act.
12. 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 :
 - (a) Violation of any terms and conditions of this Consent.
 - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
 - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the facility.

Additional condition:-

1. The CBWTF unit shall submit Dioxin and Furans testing report as per the protocol.
2. The CBWTF shall dispose solid and Hazardous stored on the premises as per the relevant rules and their provisions.

Renewal of Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981, Authorization under Hazardous and other Wastes (Management & Transboundary Movement) Rule, 2016, & 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 Six months before the date of expiry of this consent/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.

Sign
Digitally signed by AADHAR from UIDAI Server

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # J48GTWLF2E

For and on behalf of
Board
Achyut Anand Mishra

ACHYUT ANAND MISHRA
Member Secretary

Consent No:AWHB-55893