



**REGIONAL OFFICE**  
**C.G. ENVIRONMENT CONSERVATION BOARD**

T.V. TOWER ROAD, RAIGARH

Email-roraigarh.cecb@gmail.com

No. 1582/R.O./T.S./C.E.C.B./2024

Raigarh, dated : 16/ 10/2024

To,

**M/s V M Techno Soft Pvt. Ltd.,**  
**Kh. No. 116/7, Rakba- 0.4062 Hect.**  
**Vill.- Punjipathra, Tehsil –Tamnar,**  
**District-Raigarh (C.G.)**

Sub.: Grant of Consent of the Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981.

Ref.: - 1. Permission to Establish issued by Chhattisgarh Environment Conservation Board, vide letter no. 1504/RO/TS/CECB/2023, Raigarh, dated 29/08/2023.  
2. Your online application no. 15879073 dated 05/08/2024 & subsequent correspondence letter ending dated 14/09/2024.

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With reference to your above application consents under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 are hereby granted for a period of one year from commissioning of the plant, subject to the fulfillment of the terms and conditions annexed hereto as PART 'A' & 'B' respectively.

These consent are valid for following Medical Facility :-

<b>MEDICAL FACILITY</b>	<b>CAPACITY</b>
Induction Plasma Pyrolysis (Incinerable Biomedical Waste)	100 Kg./Hour (One Hundred Kilogram Per Hour)
Autoclave (Biomedical Infectious Waste)	100 Ltr./ Batch (One Hundred Liter Per Batch)
Biomedical Waste Shredder	100 Kg./ Hour (One Hundred Kilogram Per Hour)

Please acknowledge the receipt of this letter.

Enclosure – Part A and Part B.

For & on behalf of  
Chhattisgarh Environment Conservation Board

REGIONAL OFFICER,  
C.G. Env. Conservation Board  
Raigarh (C.G.)

**PART-A**  
**CONSENT LETTER**

Sub: Grant of Consent to **M/s V M Techno Soft Pvt. Ltd.** for the discharge of effluent under section 25 of the Water (Prevention & Control of Pollution) Act, 1974.

Ref.: -1. Permission to Establish issued by Chhattisgarh Environment Conservation Board, vide letter no. 1504/RO/TS/CECB/2023, Raigarh, dated 29/08/2023.

2. Your online application no. 15879073 dated 05/08/2024 & subsequent correspondence letter ending dated 14/09/2024.

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01. With reference to the above application for consent to discharge effluent into the natural water courses under the Water (Prevention & Control of Pollution) Act, 1974 here-in-after referred to as the Act **M/s V M Techno Soft Pvt. Ltd.** is authorized by the State Board to discharge its unit and other effluents arising out of their premises into the local Stream/River/Well in accordance with the general and special conditions as mentioned in the Annexure.
02. This consent is hereby granted for a period of one year from commissioning of the plant,

This consent is valid for following Medical Facility :-

<b>MEDICAL FACILITY</b>	<b>CAPACITY</b>
Induction Plasma Pyrolysis (Incinerable Biomedical Waste)	100 Kg./Hour (One Hundred Kilogram Per Hour)
Autoclave (Biomedical Infectious Waste)	100 Ltr./ Batch (One Hundred Liter Per Batch)
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For & on behalf of  
Chhattisgarh Environment Conservation Board

REGIONAL OFFICER,  
C.G. Env. Conservation Board  
Raigarh (C.G.)

Enclosure : Annexure

**(I)**  
**ANNEXURE**

**M/s V M Techno Soft Pvt. Ltd.,  
(Director-Shri Vipin Malik )**

**Location: Kh. No. 116/7, Rakba- 0.4062 Hect., Vill.- Punjipathra, Tehsil -Tamnar,  
District-Raigarh (C.G.)**

**Vide Consent No. 173/RO/HCF/Water & Air/Oct. 2024**

**Date : 16 /10/2024**

**A. GENERAL CONDITIONS :-**

01. All discharges authorized shall be consistent with terms and conditions of this consent facility expansions, production increases or process modification which result in new or increased discharges of pollutants must be reported by submission of a new consent, application or if such new, or increased discharge does not violate the effluent limitation specified in the consent, by submission to the Board details of such new or increased discharge of pollutants in which case the consent may be modified to specify effluent limitations for any pollutants not identified and limited here in the discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by the consent shall constitute a violation of the terms and conditions of the consent.
02. 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.
03. Not with standing para (2) above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established for a toxic pollutant which is present in the discharge authorized here in and such standard or prohibition is more stringent than any limitation upon such pollutant in this consent the consent shall be revised or modified in accordance with the toxic effluent standard or prohibition that the Board may consider and the applicant be so notified.
04. The applicant shall allow the staff of Chhattisgarh Environment Conservation Board and/or their authorized representative, upon the presentation of credentials :-
  - (a) To enter upon the applicant's premises where an effluent source is located or in which any records required to be kept under the terms and conditions of this consent.
  - (b) To have access to and copy at reasonable time any records required to be kept under the terms and condition of this consent.
  - (c) To inspect at reasonable time any monitoring equipment or monitoring method required in this consent; or
  - (d) To sample at reasonable time discharge of pollutants.

05. The applicant shall at all time maintain in good working order and operate as efficiently as possible all treatment or control facilities of system installed or used by him to achieve compliance with the terms and conditions of this consent.
06. The issuance of this consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal right, nor any infringement of Central, State or local laws or regulation.
07. The consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any water course.
08. The specific effluent limitations and other pollution controls applicable to the discharge permitted here in are set forth below as specific conditions. Also set forth below are self-monitoring and reporting requirement. Unless otherwise specified, the applicant shall submit duplicate original copies of all reports to the Chhattisgarh Environment Conservation Board. Except for data determined to be confidential all such reports shall be available for public inspection at the office of the Chhattisgarh Environment Conservation Board. Knowingly making any false statement on any such reports may result in the imposition of criminal penalties as provide for in section 42 of the Act.

**B. SPECIAL CONDITIONS :-**

01. Initial Effluent limitation during the period beginning on the effective date of this consent and lasting until one calendar year discharge from outfalls shall be limited and monitored by the applicant as specified below :-

(a) The following shall be limited by the applicant as specified.

S.No.	Effluent Characteristics	Discharge Limitation				Monitoring Requirements	
		Average		Maximum		Frequency of Measurement	Type of Sample
		Mg/I	Kg/Day	Mg/I	Kg/Day		

Daily/Weekly/Monthly/Tri-Monthly.  
Grab/24 Hours Composite

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In addition to above discharge shall be limited and monitored as specified below :

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S.No.	Effluent Characteristics	Discharge Limitation				Monitoring Requirements	
		Average		Maximum		Frequency of Measurement*	Type of Sample□□□
		Mg/I	Kg/Day	Mg/I	Kg/Day		

Daily/Weekly/Monthly/Tri-Monthly.  
Grab/24 Hours Composite

For the purpose of this sub-section, the daily average discharge is the total discharge by weight during the colander month divided by he number of days in month the production or commercial facility was operating for the purpose of the sub-section the daily maximum discharge means the total discharge by weight during any calendar day.

(b) The pH shall not be less than 5.5 or greater than 9.0

02. Final effluent Limitation : During the period beginning from 1<sup>st</sup> day of month of commissioning of the plant with expanded capacity and lasting until the date of expiration of this consent, discharge from the outfalls shall be limited and monitored by the applicant as specified below :-

(a) The Following shall be limited and monitored by the applicant as specified.

S.No.	Effluent Characteristics	Discharge Limitation				Monitoring Requirements	
		Average		Maximum		Frequency of Measurement*	Type of Sample□
		Mg/I	Kg/Day	Mg/I	Kg/Day		
1	B.O.D.	--	--	30	--	Monthly	24 hours Composite
2	C.O.D.	--	--	250	--		
3	S.S.	--	--	100	--		
	pH 5.5 to 9.0 Flow : Nil Cum/Day (Industrial and Domestic)					Daily	Grab

\* Daily/Weekly/Monthly/Tri-Monthly.

□ Grab/24 Hours Composite

**Additional, outfalls shall be monitored as follows:**

- i. Flow, Temperature and total solids : One per month
  - ii. Grab samples maximum discharge temperature above upstream receiving water shall be in accordance with the standard of ISI at 40<sup>0</sup> C.
  - iii. Uniform as per ISI 2490 at 40<sup>0</sup> C. The temperature shall be monitored once per month of each outfall. For the purpose of the sub-section the daily average is the total discharge by weight during calendar month divided by the number of days in month that the production or commercial facility was operating for the purpose of this sub-section, the daily maximum discharge means the total discharge by weight during any calendar day.
- (b) The pH shall not be less than 5.5 or greater than 9.0 for outfalls. The samples are taken as monthly, grab samples.

03. Schedule of compliance for effluent limitation: - The applicant shall achieve compliance with the effluent limitation: specified above for discharge from outfalls in accordance with the following schedule:-

- i. Report of Progress: Monthly .....
- ii. Completion of final plans by .....
- iii. Award of contract of other commitment of financing .....
- iv. Commencement of construction by .....
- v. Report of construction progress .....
- vi. Completion of construction by .....
- vii. Attainment of operational level by .....

*Please see on page no. 10 to 13*

(b) The applicant shall submit to the consent issuing authority the required report of progress or where a specific action is required in (a) above to be taken by a certain date a written notice of compliance or non-compliance with each of the above scheduled dates, post marked not later than 14 days following each elapsed date. Each notice of compliance shall include the following:-

01. A short description of the non-compliance.
02. A description of any action taken or proposed by the applicant to comply with the elapsed scheduled requirement without further delay.
03. An estimate of any factor which tend to explain or mitigate the non-compliance, and
04. An estimate of the date, the applicant will comply with the elapsed scheduled requirement and assessment of the possibility that the applicant will meet the next scheduled requirement time.

04. Compilation of monitoring Data :-

- (a) Samples and measurements taken to meet the monitoring requirement specified above shall be representative of the volume and nature of monitored discharge.
- (b) Following promulgation guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet monitoring requirements specified above shall conform to such guidelines. Unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the methods for the examination of Water & Waste Water 13<sup>th</sup> Edition of the American Public Health Association, New York U.S.A. shall be used.
- (C) The applicant shall take samples and measurement to meet the monthly requirements specified at the location indicated below :

**POINT OF SAMPLING :-**

- (i) Outfalls of Waste.
- (ii) 100 meters from point of confluence, down stream to River or Lake.

05. Recording of Monitoring activities Results:

- (a) The applicant shall make and maintain records of all information resulting from monitoring activities by this consent.
- (b) The applicant shall record for each measurement of sample taken pursuant to the requirements of this consent the following information:
  01. The date, exact place and time of sampling.
  02. The dates on which analysis was performed.
  03. Who performed the analysis?
  04. The analytical techniques or methods used and
  05. The result of all required analysis.

- (c) If applicant monitors any pollutant more frequently as is required by this consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board, such increased frequency shall be indicated on the discharge monitoring report form.
- (d) The applicant shall retain for a minimum of 03 year all records of monitoring activities and result including all records of calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be the extent during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by the Central or State Board.

06. Reporting of Monitoring Results :-

- (a) Monitoring information required by this consent shall be summarized and reported by submitting a discharge monitoring report form duly filed in and signed, to the Board's office at the following address :

**REGIONAL OFFICE  
C.G. ENVIRONMENT CONSERVATION BOARD  
T.V. TOWER ROAD, RAIGARH (C.G.)**

- (b) Each submitted discharge monitoring report shall be signed as follows :
  - (i) If submitted by corporation by a Principal Executive Officer of at least the level of Vice-President or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the discharge monitoring report originates,
  - (ii) If submitted by a partnership firm, by a general partner,
  - (iii) If submitted by a sole proprietor, the proprietor,
  - (iv) If submitted by a Municipal, State or Central Government or other public enterprises, by a Principal Executive Officer, ranking elected official commanding officer, or other duly authorized employee.
- (c) All information submitted on the discharge monitoring from shall be based upon measurements and sampling carried out during the three previous calendar months. The first discharge monitoring report shall be submitted for a period ending 60 days from issuance. Thereafter reporting period shall end on the last date of each month. The applicant shall submit a discharge monitoring report post marked no later than 28<sup>th</sup> day of the month following each completed reporting period.

07. Limitation of discharge of Oil Hazardous substance in harmful quantities: The applicant shall not discharge oil in quantities defined as harmful in regulations. In addition the applicant shall not discharge hazardous substance into natural water course in quantities defined as harmful in regulations promulgated by the Board. Nothing in this consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

08. Limitation of visible floating Solids and Foam: During the period beginning date of issuance and lasting until the date of expiration of this consent the applicant shall not s=discharge floating solids or visible foam.
09. Disposal of Collected Solids :-
- (a) Intake Water Treatment: Solid Sludge's dirt, silt or other pollutant separated from or resulting from treatment of intake or supply waters prior to use by the applicant shall be disposed off in such a manner as to prevent any pollutant from such materials from entering any such water any live fish or other animals collected or trapped as a result of intake water screening or treatment may be returned to water,
  - (b) Waste water Treatment, Solid sludge's filter backwash or other pollutant removed from or resulting from treatment or control of waste waster shall be disposed of in such a manner as to prevent any pollutants from such materials from entering natural water.
10. Non-compliance with Effluent Limitations:
- (a) If for any reason the applicant does not comply with or will be unable to comply with or will be unable to comply with any daily maximum effluent limitations specified in this consent the applicant shall immediately notify the consent issuing authority or his designee by telephone No. 0771-2512220 and provide the consent issuing authority with the following information in writing within 05 days of such notification:
    - i. Cause of non-compliance.
    - ii. A description of the non-complying discharge including its impact upon the receiving water.
    - iii. Anticipated time, of non compliance is expected to continue or if such condition has been corrected, the duration of non-compliance.
    - iv. Steps taken by the applicant to reduce and eliminate the non-complying discharge and;
    - v. Steps to be taken by the applicant to prevent recurrence of conditions of non compliance.
  - (b) The applicant shall take all responsible steps to minimize any adverse impact to natural waters resulting from non-compliance with any effluent limitation specified in this consent including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.
  - (c) Nothing in this consent shall be construed to relieve the applicant from civil or criminal penalties for non-compliance, whether or not such non-compliance is due to factors beyond his control such as equipment break down electric power failure, accident or natural disaster.

## **Limitation of Batch Discharge.**

11. Provision for Electric power failure: The applicant shall either –
  - (a) No later than ..... Certify in writing to the consent issuing authority that applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the consent or.
  - (b) No later than 30 days after the effective date of his consent certify in writing to the consent issuing authority that upon the reduction, loss, or failure of one or more of the primary sources of electric power to any facilities utilized by the applicant to maintain compliance with the terms and conditions of his consent, the applicant shall halt, reduce or otherwise control production and/or all discharge in order to maintain compliance with the terms & conditions of this consent.
12. Prohibition of bypass of Treatment Facilities: The diversion or by-pass of any discharge from facility utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except:
  - (i) Where unavoidable to prevent loss of life severe property damage, or
  - (ii) Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this consent. The applicant in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.
13. Spill Prevention and Containment Plan: Within 90 days of the effective date of the consent the applicant shall prepare and submit to the consent issuing authority; a Spill Prevention, Containment and Countermeasure Plan for the facility covered by this consent. Such plan shall include the following information and procedures relating to the prevention of spills and unauthorized discharges or oil and hazardous substances;
  - a. A description of a reporting system to be used to notify immediately persons responsible for management of a facility and appropriate State and Central authorities;
  - b. A description of equipment of facilities (including overall facility) for prevention, containment of spills and unauthorized discharge;
  - c. A list of all oil and hazardous materials used processed or stored at the facility including the normal quantity maintained on the premises for each listed material;
  - d. A brief description of any spills or unauthorized discharge which occurred during the 36 month period preceding the effective date of this consent and subsequent measures taken by the applicant or reduce the possibility of further spills or unauthorized discharges; and
  - e. An implementation schedule for additional equipment or facilities which might be required for sub (b) above but which are not yet operational.

### **SPECIAL CONDITIONS**

1. The unit shall adhere to the stipulations incorporated in the Environmental Clearance issued by the State Level Environment Impact Assessment Authority Chhattisgarh, vide letter no 803/S.E.I.A.A., C.G./udyog/1313, Nava Raipur Atal Nagar, Dated 28.06.2023.
2. The unit shall comply with all the provisions of Bio Medical Wastes Management Rules, 2016 (as amended up to date.) Unit shall obtain Authorization as per provision of Bio Medical Wastes Management Rules, 2016 (as amended up to date) before commissioning of the Common Bio Medical Wastes Treatment & Disposal Facility.
3. The date of commissioning of unit shall be informed at least one month in advance.
4. Incineration through Induction Plasma Pyrolysis should meet the following standards:-

BRIEF SPECIFICATIONS OF INDUCTION PLASMA PYROLYSIS	
Heat Loss fraction	0.05
Design Temperature	1,400 0C
Capacity	200 kg/Hr.
Type	Cylindrical vertical (solid waste feeding)
Source of Energy	Electric
Combustion Efficiency	At Least 99%
Temperature resistance (Primary Chamber)	1400 0C
Temperature resistance (Secondary Chamber)	1200 0C
Preheating Time	Maximum One Hour
Temperature in Primary Chamber	800 ± 50 0C
Temperature in Secondary Chamber	1050 ± 50 0C
O2 Content in Primary Chamber	6%
Residence time for flue gas in Secondary chamber	2 Sec.

5. The Unit shall ensure all arrangements for control of odor nuisance from the process within premises.
6. The Unit shall provide online temperature monitoring system for the Induction Plasma Pyrolysis.
7. Sewage Treatment Plant shall be provided for treatment of domestic effluent generated from the project to meet the prescribed standards. Treated water shall be reused within the project.
8. The Unit shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
9. Waste water generated from the facility shall be treated in the ETP and treated waste water shall be reused. In the APCD connected to the incinerator.
10. The water quality of treated effluent shall meet the norms prescribed by CPCB/CECB. Any liquid effluent what so ever generated shall not be discharged into the river or any surface water bodies under any circumstances, and it shall be reused wholly in the process/plantation within plant area. Adhere to "Zero Liquid Discharge".
11. The leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
12. Magnetic flow meters shall be provided at the inlet and outlet of the ETP & all ground water abstraction points and records for the same shall be maintained regularly.
13. Rain water runoff from hazardous waste storage area shall be collected and treated in ETP.
14. The unit shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers / sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
15. The unit shall submit monthly summary report of effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to integrated Regional office, Ministry of Environment, Forest and Climate Change, Raipur, Zonal office of CPCB and Regional office of Chhattisgarh Environment Conservation Board (CPCB) along with six - monthly monitoring report.

16. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
17. The Unit shall ensure proper running and maintenance of the treatment plant all the time. A separate logbook shall be maintained for chemicals utilized in the treatment and power consumed.
18. The Unit shall provide proper and safe arrangement for handling and disposal of solid wastes as per the provision of different rules mentioned above. The unit shall dispose-off the Induction Plasma Pyrolysis ash as per rule.
19. Transportation and handling of Bio-Medical Waste shall be as per the Bio Medical Wastes (Management and Handling) Rules, 2016 including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
20. The unit shall obtain authorization under the Hazardous and Other Waste Management Rules, 2016 as amended from time to time and also guidelines for Common Hazardous Waste Incineration- 2005, issued by CPCB. Guidelines of CPCB for Bio-Medical Waste Common Hazardous Wastes incinerators shall be followed.
21. The Unit shall obtain authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Solid Waste Management Rules, 2016 whichever is applicable.
22. The Unit shall abide by the provisions of the Environment (protection) Act. 1986.
23. A thick green belt of broad local species shall be developed all along the periphery of the plant premises. At least 33% of total land area shall be utilized for plantation purpose.
24. Unit shall obtain statutory clearances/permissions from concerned central/ state government, departments, boards, bodies and corporations etc., before establishment of the unit.
25. The issuance of this consent does not convey any property rights in either real or personal property or any exclusive privileges nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local laws or regulations.
26. Any complaint if reported regarding air & water pollution from the industry in future in that case air & water consent would be cancelled.
27. Board reserves the right to amend/cancel any of the above conditions, stringent the emission limits stipulated above and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

This consent & the authorization to discharge shall expire on midnight after one calendar year from date of issue of this letter. The applicant shall not discharge after the date of expiration. The applicant shall submit such information, forms and fees as required by the Board not later than 60 days prior to the above date of expiration.

By authority of C.G. Environment Conservation Board,

For and on behalf of  
C.G. Environment Conservation Board

Sd/-  
REGIONAL OFFICER  
C.G. ENVIRONMENT CONSERVATION BOARD,  
RAIGARH

## PART-B

### CONSENT LETTER

Sub: Grant of Consent to **M/s V M Techno Soft Pvt. Ltd.** for the discharge of effluent under section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

Ref.: -1. Permission to Establish issued by Chhattisgarh Environment Conservation Board, vide letter no. 1504/RO/TS/CECB/2023, Raigarh, dated 29/08/2023.

2. Your online application no. 15879073 dated 05/08/2024 & subsequent correspondence letter ending dated 14/09/2024.

.....00.....

With reference to the above application, consent under the Air (Prevention & Control of Pollution) Act, 1981 to **M/s V M Techno Soft Pvt. Ltd.** is hereby granted for a period of one year from commissioning of the plant in accordance with the terms and conditions as mentioned below.

This consent is valid for following Medical Facility :-

MEDICAL FACILITY	CAPACITY
Induction Plasma Pyrolysis (Incinerable Biomedical Waste)	100 Kg./Hour (One Hundred Kilogram Per Hour)
Autoclave (Biomedical Infectious Waste)	100 Ltr./ Batch (One Hundred Liter Per Batch)
Biomedical Waste Shredder	100 Kg./ Hour (One Hundred Kilogram Per Hour)

#### Terms & Conditions:-

1. The unit shall adhere to the stipulations incorporated in the Environmental Clearance issued by the State Level Environment Impact Assessment Authority Chhattisgarh, vide letter no 803/S.E.I.A.A., C.G./udyog/1313, Nava Raipur Atal Nagar, Dated 28.06.2023.
2. The unit shall comply with all the provisions of Bio Medical Wastes Management Rules, 2016 (as amended up to date.) Unit shall obtain Authorization as per provision of Bio Medical Wastes Management Rules, 2016 (as amended up to date) before commissioning of the Common Bio Medical Wastes Treatment & Disposal Facility.
3. The date of commissioning of unit shall be informed at least one month in advance.
4. Incineration through Induction Plasma Pyrolysis should meet the following standards:-

BRIEF SPECIFICATIONS OF INDUCTION PLASMA PYROLYSIS	
Heat Loss fraction	0.05
Design Temperature	1,400 0C
Capacity	200 kg/Hr.
Type	Cylindrical vertical (solid waste feeding)
Source of Energy	Electric
Combustion Efficiency	At Least 99%
Temperature resistance (Primary Chamber)	1400 0C
Temperature resistance (Secondary Chamber)	1200 0C
Preheating Time	Maximum One Hour
Temperature in Primary Chamber	800 ± 50 0C
Temperature in Secondary Chamber	1050 ± 50 0C
O2 Content in Primary Chamber	6%
Residence time for flue gas in Secondary chamber	2 Sec.

5. The Unit shall provide online temperature monitoring system for the Induction Plasma Pyrolysis.
6. The Unit shall provide suitable air pollution control equipments such Venturi Scrubber (Alkaline) at the proposed unit as per the proposal submitted along with the application to bring the emission up to the prescribed standard and packed bed scrubber with the incinerator with stack of adequate height (minimum 30 meter) to control particulate emission within 50 mg/Nm<sup>3</sup>. Unit shall have to install separate electric metering for the running of all pollution control equipments.
7. The Unit shall install appropriate air pollution equipment at all points of emission and shall ensure that these are always kept running and in good working order all the time. In case of any failure it shall be immediately rectified or some alternate arrangement be made.
8. Emission of air pollutants from stack shall not exceed following limit. Particulate Matter - 50mg/Nm<sup>3</sup>, Nitrogen Oxides - 400mg/Nm<sup>3</sup> and HCL - 50mg/Nm<sup>3</sup>, Total Dioxins and Furans - 0.1ng TEQ/Nm<sup>3</sup> (at 11% O<sub>2</sub>), Hg and its compounds - 0.05mg/Nm<sup>3</sup> . Arrangement of porthole, platform and easy ladder etc., shall be made for monitoring purposes at appropriate height of the stack.
9. The Unit shall install 24 x 7 continuous emission monitoring system including Dioxin and furans to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 and connected to CECB and CPCB. Online servers and calibrate these system from time to time VM Techno Soft 4 of 6 according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
10. Periodical Air Quality Monitoring in and around the site including VOC, HC shall be carried out.
11. Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3% or their loss on ignition is less than 5% of the dry weight of the material.
12. Ambient air quality at boundary of unit premises shall conform to the standards prescribed by the Board.
13. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable source, so as to comply prescribed standards. All necessary air pollution control devices (quenching, Venturi scrubber, mist eliminator) should be provided for competent emission standards.
14. The unit shall store all untreated and treated Bio- Medical Waste in specified specially designed rooms and do their processing and transfer under foolproof covers. Unit shall take necessary measures to control odours. Masking agent should be used for odour control.
15. The unit shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/fugitive emissions to integrated Regional office, Ministry of Environment, Forest and Climate Change, Raipur, Zonal office of CPCB and Regional office of Chhattisgarh Environment Conservation Board (CPCB) along with six monthly monitoring report.
16. The Unit shall provide onsite waste collection service. The vehicles should be of special pack body with GPS tracking system, mobile phones and term cards etc., shall be provided.
17. The Unit shall install continuous emission monitoring system for monitoring of the incinerator plasma pyrolysis stack emission.

18. Provision for monitoring of vehicles by installation of closed circuit cameras (CCTV) at suitable locations i.e. entry gate, weigh bridge, internal parking area etc. shall also be made to ensure the incoming and outgoing vehicles are mechanically covered.
19. Transportation and handling of Bio-Medical Waste shall be as per the Bio Medical Wastes (Management and Handling) Rules, 2016 including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
20. The unit shall obtain authorization under the Hazardous and Other Waste Management Rules, 2016 as amended from time to time and also guidelines for Common Hazardous Waste Incineration- 2005, issued by CPCB. Guidelines of CPCB for Bio-Medical Waste Common Hazardous Wastes incinerators shall be followed.
21. The Unit shall dispose waste such as incineration ash/vitrified ash generated in the process of incineration/plasma pyrolysis through any authorized TSDFs operator.
22. A thick green belt of broad local species shall be developed all along the periphery of the plant premises. At least 33% of total land area shall be utilized for plantation purpose.
23. Unit shall adopt good housekeeping practices inside the factory premises. All the internal roads & approach roads should be made pucca and shall be maintained by regular cleaning.
24. DG sets (if any) shall be provided with necessary acoustic enclosures and stack height as per norms. Use of low Sulphur diesel shall be ensured.
25. The unit shall take proper action to control the noise pollution. The noise level should not exceed the limit 75 dB(A) during the day time and 70 dB(A) during the night time within the factory premises.
26. Unit shall obtain statutory clearances/permissions from concerned central/ state government, departments, boards, bodies and corporations etc., before establishment of the unit.
27. The issuance of this consent does not convey any property rights in either real or personal property or any exclusive privileges nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local laws or regulations.
26. Board reserves the right to amend/cancel any of the above conditions, stringent the emission limits stipulated above and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

This consent is valid for the stated period and has to be renewed every year. Application with annual license fee in this regard shall reach the office 60 days before the expiry of this consent.

Please acknowledge the receipt of this letter.

For & on behalf of  
Chhattisgarh Environment Conservation Board

REGIONAL OFFICER,  
C.G. Env. Conservation Board  
Raigarh (C.G.)