



REGIONAL OFFICE

CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

Kanya Parisar Road, Near Govt. Aayurvedic Hospital, Namnakala Gangapur, Ambikapur (C.G.)

e-mail:-rocecbamk@gmail.com

No. **766/RO/TS/CECB/ 2023** Ambikapur, Dated : **21/07/2023**
To,

**M/s V.M. Techno Soft Pvt. Ltd.,
(Common Bio Medical Waste Treatment Facility)
PH No. 31, KH No. 1/23, Rakba-0.405 Hect. (01 Acre)
Village- Bhitthikala, Tehsil-Ambikapur,
Distt.- Surguja (C.G.)**

Sub: - Renewal of the 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: - Your online application no. 12250660, dated 17/03/2023 & Subsequent Correspondence letter ending dated 14/07/2023.

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 renewed for period of **three years i.e. from 01/10/2023 to 30/09/2028**, subject to the fulfillment of the terms and conditions incorporated in the water & air consent letter no. 01/RO/TS/CECB/2022 Ambikapur, dated: 01/04/2022 and subsequent renewal(s)/amendment(s) issued by the Board and additional conditions mentioned below.

This renewal of consent is valid for products & production capacity of: -

Products	Production Capacity
Incinerable Biomedical Waste (Induction Plasma Pyrolysis)	200 Kg./Hr. (Two Hundred Kilogram Per Hour)
Biomedical Infectious Waste (Autoclave)	200 Kg./Hr. (Two Hundred Kilogram Per Hour)
Biomedical Waste Shredder	100 Kg./Hr. (One Hundred Kilogram Per Hour)

Additional Conditions :

A. Water (Prevention and Control of Pollution) Act, 1974

- 1.** This renewal of consent is being issued under the "Scheme of Auto-Renewal of Consent" of the Board issued vide office order no. 5938 dated 29/01/2018 as per self certificate submitted by authorized signatory **Shri Vipin Malik, Director of M/s V.M.**

Techno Soft Pvt. Ltd., Village- Bhitthikala, Tehsil-Ambikapur, Distt.- Surguja (C.G.).

2. Chhattisgarh Environment Conservation Board reserves the rights to revoke the Consent at any time for any violation/non-compliance.
3. In case, if the capital investment is increased by such amount that the total investment exceeds the range for which renewal fees has been paid, the CBWTF management shall have to pay the difference amount of renewal fees for the corresponding block years.
4. In case, the prescribed fee payable is amended in future, the CBWTF management shall be liable to pay the difference amount for corresponding block years.
5. CBWTF management shall operate and maintain the effluent treatment system regularly. The treated effluent shall be used in plant operations or for plantation within the premises. CBWTF management shall not discharge any treated/untreated effluent into the river or any other surface water bodies. No effluent shall be discharged outside of the factory premises in any circumstances; hence zero discharge condition outside the factory premises shall be maintained at all the time.
6. CBWTF management shall utilize treated waste water within factory premises for irrigation purpose.
7. CBWTF management shall adopt rainwater-harvesting technique in the project area for ground water recharging and conservation of water.

B. Air (Prevention and Control of Pollution) Act, 1981

1. Industry shall operate their existing Air pollution control facilities and maintain the same properly so that the emission could be achieved within the prescribed standards.
2. CBWTF management shall provide adequate air pollution control arrangements at all point and non point sources. CBWTFs anagement shall ensure that the particulate matter emission from all point and non point sources shall not be more than 50 mg/Nm³. Chhattisgarh Environment Conservation Board may further stipulate stringent particulate matter and air pollutants emission limit depending upon environmental conditions
3. Incineration through Induction Plasma Pyrolysis should meet the following standards:-

BRIEF SPECITICATIONS 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.

4. Emission of air pollutants from stack shall not exceed following limit. Particulate Matter - 50mg/Nm³, Nitrogen Oxides - 400mg/Nm³ and HCL - 50mg/Nm³, Total Dioxins and Furans - 0.1ng TEQ/Nm³ (at 11% O₂), Hg and its compounds - 0.05mg/Nm³. Arrangement of porthole, platform and easy ladder etc., shall be made for monitoring purposes at appropriate height of the stack.
5. CBWTF management 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 according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
6. 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 Ambient air quality at boundary of unit premises shall conform to the standards prescribed by the Board.
7. Ambient air quality at boundary of unit premises shall conform to the standards prescribed by the Board.
8. CBWTF management shall establish a Bar-Code System for bags or containers containing bio-medical waste to be sent out of the premises for any purpose.
9. The unit shall complying barcoding system as per the recent draft guideline of CPCB.
10. 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.
11. CBWTF management 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.

12. Transportation and handling of Bio-Medical Waste shall be as per the Bio Medical Wastes (Management and Handling) Rules, 2016.
13. CBWTF management shall store all untreated and treated Bio-medical wastes in specified specially designed rooms and do their processing and transfer under full proof covers. Unit shall take necessary measure to control odors nuisance.
14. 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.
15. CBWTF management 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.
16. 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.
17. Any change in process, raw materials used, project profile etc. shall be intimated to the Board. For any enhancement of above prior permission of the Board shall be obtained.
18. All internal roads shall be made black topped. Good housekeeping practices shall be adopted by the CBWTFs management. Reduce hard paving-onsite (open area surrounding building premises) and/or provide shade on hard paved surfaces to minimize heat island effect and imperviousness of the site
19. Low sulphur diesel type diesel generator sets shall be used during operation phase. Diesel generator sets during operation phase shall have acoustic enclosures and shall conform to Environment (Protection) Rules, 1986 prescribed for air and noise emission standards.

Please acknowledge the receipt of this letter.

For & on behalf of

Chhattisgarh Environment Conservation Board,

Regional Officer

Chhattisgarh Environment Conservation Board
Ambikapur (C.G.)