

**Date:** 29.04.2026

**To**  
The Environmental Engineer  
Telangana Pollution Control Board  
Sanath Nagar, Hyderabad

**Subject:** Submission of Condition-wise Compliance Report for Oct 2025 to Mar 2026

Respected Sir/Madam,

We hereby submit the Condition-wise Compliance Report for the period of Oct 2025 to Mar 2026 for M/s. Maridi Bio Industries Pvt. Ltd., located at Sy. No. 63/1, Kagaz Maddur Village, Narsapur Mandal, Medak District, Telangana.

The report outlines our compliance with the stipulated environmental conditions and regulatory requirements. We have ensured adherence to all applicable guidelines and continue to maintain our commitment to sustainable and responsible waste management practices.

We request you to kindly review the submitted report and provide your valuable feedback. Should you require any further information or clarification, please feel free to contact us.

Thank you for your time and consideration.

**Yours sincerely,**

For Maridi Bio Industries Pvt. Ltd.

Authorized Signatory



Maridi Bio Industries Private Limited

**Registered Office:**  
# 6-3-1089/G/10 & 11, First Floor, OPP : Yes Bank,  
Raj Bhavan Road, Somajiguda,  
Hyderabad - 500 082. Telangana

CIN No. : U90001TG2011PTC072453

**Site Address:**  
Sy. No. 63/1, Kagaz Maddur Village,  
Narsapur Mandal,  
Medak District - 502313. Telangana

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

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## Condition wise compliance report –Oct '2025 to Mar '2026

**Consent Order No: 33/TGPCB/HO/CBMWTF/CFO/2025, Date: 26.09.2025**

<b>SCHEDULE - A</b>		
<b>Sl. No</b>	<b>Conditions</b>	<b>Compliance</b>
1	The applicant shall make applications for renewal of Consent (under Water and Air Acts), Authorisation under BMW Rules and Authorisation under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts for obtaining Consent, along with prescribed fee under BMW Rules for obtaining BMW Authorisation and HW Authorisation of the Board.	We have complied with the requirement to apply for renewal of Consent and Authorisations 120 days before expiry. Our Consent for Operation (CFO) has been duly renewed vide <i>Consent Order No. 33/TGPCB/HO/CBMWTF/CFO/2025, dated 26.09.2025</i> , and is valid up to 31 st day of Oct, 2030.
2	The applicant shall immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions etc.	Complied – No change in raw materials, processes, quantity of effluents or emissions since last consent. CFO renewed on 26.09.2025 and valid up to 31.10.2030.
a)	All the fugitive emissions shall be controlled with proper measures.	Complied – All fugitive emissions are properly controlled with adequate pollution control measures.
b)	The applicant shall also install the equipment such as wind speed recorder, wind direction recorder.	Complied – Wind speed and wind direction recorders are installed and functioning properly.

3	The applicant shall not change or alter either the quality or the quantity or the rate of the discharge or the route of discharge and shall not change or alter either the prescribed quality or the rate of emission without the previous written permission of the Board.	Complied – No changes have been made in the quality, quantity, rate, or route of discharge or emissions without prior approval from the Board.
4	The applicant shall, not later than 30 days from the date of issue of this consent order, certify in writing to the Board that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent. In absence of alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent, production shall be stopped.	Complied - Alternative power backup is in place and ensures uninterrupted operation of all facilities as per consent conditions.  We provided 63 KVA DG Set an alternative electric power source.
5	Any up-set condition in any plant/plants of the facility, which result in, increased effluent discharge and/ or violation of standards stipulated in this order or the emission of any Air Pollutant into the environment in excess of the standards laid down by the Board, occurs or is apprehended to occur due to accident, or other unforeseen act or event, the person-in-charge of the premises, from where such discharge / emission occurs or is apprehended to occur shall forthwith intimate the fact of such occurrence or the apprehension of such occurrence to this Board, by fax / email under intimation to the Collector and District Magistrate.	Complied – No accidents, upset conditions, or unforeseen events resulting in excess effluent discharge or emissions occurred during the period. Therefore, no reporting to the Board, Collector, or District Magistrate was necessitated.
6	In case of such episodal discharges / emissions mentioned in item 6 above, the facility should take immediate action to bring down the discharge / emission below the limits prescribed in this order.	The facility <b>agreed to comply</b> by taking immediate corrective action to control any episodal discharges/emissions within the prescribed limits.
7	A good housekeeping shall be maintained both within the factory and in the premises. All hoods, pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the effluent collection system only and shall not be allowed to find their way into storm drains or open areas.	Complied – Good housekeeping is maintained. All hoods, pipes, valves, and drains are leak proof. Floor washings are routed to the effluent collection system only.
a)	The facility shall carryout analysis of waste water discharges or emissions through chimneys, for the parameters mentioned in Schedule - B of this order at regular intervals.	Complied – Regular analysis of wastewater and emissions is carried out as per Schedule-B parameters.

b)	The facility shall maintain following records accessible to the Board, whenever required.	Complied.
	Analysis reports of waste water/ emissions.	Complied.
	Log book for operation of pollution control systems.	Complied.
	Inspection book	Complied.
8	The applicant shall set up THREE Ambient Air Quality Monitoring Stations for continuous recording of relevant critical parameters mentioned in Schedule - B as per the CPCB guidelines and submit monthly reports.	Complied – Three Ambient Air Quality Monitoring Stations are established as per CPCB guidelines, and monthly reports are being submitted regularly.
9	Separate power connection with energy meter shall be provided for the Pollution Control Equipments and record of power consumption and chemicals consumption for the operation of pollution control equipment shall be maintained separately.	Complied.
10	The applicant shall comply with the directives/orders issued by the Board in this order and at all subsequent times without any negligence on his part. The applicant shall be liable for such legal action against him as per provisions of the Law/Act in case if non-compliance of any order/directive issued at any time and/or violation of the terms and conditions of this consent order.	Agreed to comply.
11	The applicant shall furnish to the visiting officer and / or the Board any information regarding the construction, installation or operation of the effluent treatment system / air pollution control equipment / secured storage area of Hazardous Waste and such other particulars as may be pertinent for preventing and controlling pollution.	Agreed to comply.
12	The facility is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as Civil liability.	Agreed to comply.
13	All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 shall be followed.	Complied – Public Liability Insurance is in place and all provisions of the Act, 1991 are being followed.

14	The occupier shall educate the workers and nearby public of possible accidents and remedial measures.	Complied.
15	Any person authorized shall not rent, lend, and transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.	Complied – No rental, lending, or transfer of premises has been made without prior permission from the Board.
16	Any unauthorized change in personnel, equipment as working condition as mentioned in the application by the person authorized shall constitute a breach of his authorisation.	Complied – No unauthorized change in personnel, equipment, or working conditions has been made.
17	The facility shall put up two sign boards (6x4 ft. each) at publicly visible places at the main gate. The first sign board shall provide information on specific conditions of CFO and Hazardous Waste Authorisation. The second sign board shall display online data on quantity and nature of hazardous chemicals being used in the plant, as well as water, air emissions and solid waste generated within the factory premises.	Complied.
18	The applicant shall exhibit the Consent, HW BMW Authorisation order of the Board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.	Complied.
19	Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and its amendments thereof and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and its amendments thereof to review any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	Complied – The facility agrees to abide by the Board's rights and powers to review and vary conditions as per the Water and Air Acts.
20	The authorisations issued under Hazardous and other Wastes (Management and Trans boundary Movement) Rules, 2016 and Bio-Medical Waste Management Rules, 2016 shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.	Complied – All authorizations under HW and BMW Rules, 2016 are in accordance with the provisions of the Environment (Protection) Act, 1986.

21	Facility shall produce combined order for inspection at the request of an officer authorized by the prescribed authority.	Complied – Combined order is produced for inspection whenever requested by authorized officers.
22	For any accident or spillage of hazardous wastes causing damage to the Environment, the occupier or the transporter as the case shall be held responsible.	Agreed to comply.
23	In case of closure of facility, the un-used/not consumed raw materials falling under the category of Hazardous Chemicals and mentioned in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amendment Rules, 2003 shall be removed and sold to other units within 90 days from the date of closure to prevent any possibility of occurrence of an accident. In case the above hazardous chemicals have lost their properties originally acquired, then they shall be treated, as Hazardous Waste and they should be disposed off only to the agencies authorized by TSPCB in a safe manner.	Complied – Procedures for safe removal, sale, or disposal of hazardous chemicals in case of facility closure are in place as per MSIHC Rules, 1989 and 2003 amendments.
24	The occupier shall prepare/update Emergency preparedness plan for safe handling of hazardous waste from time to time and submit the same to TSPCB. Emergency preparedness plan must be implemented immediately whenever there is fire, explosion or release of hazardous waste or hazardous waste constituents, which could endanger to human health or environment.	Shall comply.
25	Packaging, labelling and transportation of Hazardous Wastes shall be in accordance with the provisions of the rules issued by the Central Govt. under the Motor Vehicles Act, 1988 and other guidelines issued from time to time. The packaging and labelling shall be based on the composition and hazardous constituent of the waste; however, all Hazardous Waste containers should be provided with a general label.	Complied.

26	The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter shall carry a Transport Emergency (TREM) Card (as given in the guidelines for management and handling of hazardous wastes) duly filled by the Hazardous Waste generator	Complied – Drivers transporting hazardous waste are trained in emergency procedures and TREM cards are duly filled and carried as per guidelines.
27	No Hazardous Wastes shall be mixed with any other wastes or shall be discharged to a common, other internal, external sewerage or other drainage system without prior approval of TSPCB.	Complied – Hazardous wastes are not mixed with other wastes and are not discharged into any sewer or drainage system without TSPCB approval.
28	The facility shall comply with the provisions of Batteries (Management & Handling) Rules, 2001.	Complied.
29	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.	Complied – The facility is aware of the provisions for appeal under the Water and Air Acts and will follow the procedures if required.

## SCHEDULE – B

### Special Conditions

Sl. No	Conditions			Compliance
1	The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below			
	<b>Outlet</b>	<b>Parameter</b>	<b>Limiting Standards</b>	Effluent parameters being maintained well within the limits.
	1	PH	6.50-9.00	7.01
	2	Total Suspended Solids (at 103-105' C)	200 mg/lit	18
	3	Total Dissolves Solids (TDS)	2100 mg/t	2089
	4	Oil and Grease	10 mg/lit	<1.0
	5	Chemical Oxygen Demand (COD)	250 mg/lit	149
	6	Biochemical Oxygen Demand (BOD)	30 mg/lit	48.3
2	The facility shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below.			
	<b>S. No</b>	<b>Purpose</b>		Continues efforts being made to reduce water consumption. Being maintained well within the limits
	1	Process (Scrubbing) & Washings	1.0 KLD	
	3	Floor washing	1.5 KLD	
	4	Domestic	0.2 KLD	
	5	Gardening	1.0 KLD	
		<b>Total</b>	<b>3.7 KLD</b>	
3	The facility shall maintain the records of details on the water consumption, waste water generation, solid waste, etc and shall submit the details to the Board every month regularly.			Complied.
4	The facility shall ensure for live streaming of GPS connected vehicle in the website for daily tracking of the collecting of Bio-medical waste from HCFs to CBMWTFs and also to			Shall comply.

	submit updated website address along with user ID and Password to the Board within one week.	
5	The facility shall completing registration of all the member HCFs including nonbedded HCFs in online Bar-code manifest system of TSPCB and shall collect Biomedical waste from HCFs using Online Barcode manifest application only and also to scan at the Facility for tracking the waste ensuring proper disposal.	Complied – All member HCFs, including non-bedded HCFs, are registered in the TSPCB Online Barcode Manifest System. Biomedical waste is collected and scanned through the system to ensure proper tracking and disposal.
6	The facility shall feed the BMW incinerator through Auto-feeding system only.	Complied.
7	The facility shall update the website and to upload the required information / data i.e., monthly reports, annual reports, Consents, list of member HCFs etc, along with complete details, in the website for public access immediately.	Complied – Website is regularly updated with monthly/annual reports, consents, and list of member HCFs for public access.
8	The facility shall submit monthly biomedical waste collection details to the Board regularly and shall also submit the list of HCFs operating without having membership of CBMWTFs & authorization from the TGPCB located in the area allocated for collection of Biomedical waste.	Complied – Monthly biomedical waste collection details and list of HCFs operating without CBMWTF membership or TGPCB authorization are submitted regularly to the Board.
9	<p>The incinerator shall meet the following operating standards:</p> <p>a. Combustion efficiency (CE) shallbeatleast99.00%.</p> <p>b. The Combustion efficiency is computed as follows:</p> $CE = \frac{\%CO_2}{\%CO_2 + \%CO} \times 100$ <p>c. The temperature of the primary chamber shall be a minimum of 800°C and the secondary chamber shall be minimum of 1050 + or - 50°C</p> <p>d. The secondary chamber gases residence time shall be at least two seconds</p>	<p>Complied – The incinerator operates with ≥99% combustion efficiency. Primary chamber temperature ≥800°C, secondary chamber temperature 1050±50°C, and secondary chamber gas residence time ≥2 seconds.</p>

10	The emissions from in incinerator shall not contain constituents in excess of the prescribed limits mentioned below.			Emissions from incinerator being maintained well within the limits
	<b>Chimney No</b>	<b>Parameters</b>	<b>Limiting concentration in mg Nm<sup>3</sup> unless stated</b>	
	1	Particulate matter	50	30.8
	2	Nitrogen Oxides NOx	400	223
	3	HCL	50	30.6
	4	CO&CO <sub>2</sub>	100	76.2/ 8.4
	5	Hg and its compounds	0.05	0.001
	6	Total Dioxins and furnace	0.1ng/TEQ/N m <sup>3</sup>	0.1
11	A PLC (Programmable Logic Control) based control system shall be installed to the incinerator.			Provided PLC for controlling system
12	The Air Pollution control equipment shall be operated continuously.			Continuously operating Bag Filter for Incinerator flue gas out let to control air pollution
13	Graphic or computer recording devices installed to the incinerator to monitor and record dates, time of day, load identification number and operating parameters such as temperatures in both chambers and CO and CO <sub>2</sub> in gaseous emission throughout duration of incineration cycle, shall be to operated continuously.			Being Complied. We can retrieve whenever required data.
14	The waste should be charged only after the required temperatures in the primary and secondary chambers are attained during the beginning of the operation of incinerator and the required temperatures shall be maintained in the chambers during operation.			The waste being charged at beginning of the operation of incinerator at required temperatures of Primary & Secondary chambers

15	A skilled person shall be designated to operate and maintain the incinerator. The operator shall have adequate qualification in relevant subject and should be trained and certified by the incinerator supplier in operation & maintenance of the incineration.	Qualified Four person were deployed for incinerator operation
16	All the staff at the incinerator plant shall put on protective gears such as gumboots, gloves, glass etc. to avoid contact with the bio-medical wastes.	Being provided all PPE to avoid contact with bio medical waste
17	Minimum stack height to the incinerator shall be 30 meters above ground.	Provided
18	Volatile organic compounds in ash shall not be more than 0.01%.	Being Complied
19	Toxic metals in incineration ash shall be limited within the regulatory quantities as defined under the Hazardous Waste (Management and Handling) Rules, 1989.	Being Complied
20	The autoclave should be dedicated for the purposes of disinfecting and treating bio-medical waste. The medical waste shall be subjected to the required temperature, pressure and time as specified in Schedule II of Bio-Medical Waste Management Rules, 2016.	Being Complied
21	The 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. The applicant shall carry out Validation Test of autoclave (Spore Testing and Routine Test).	Being Complied. We can retrieve whenever required data and validation test being carried out for Autoclave
22	The shredder for bio-medical waste shall be of robust design with minimum maintenance requirement. In case of shock loading (non-shreddable material in the hopper), there should be a mechanism to automatically stop the shredder to avoid any emergency/accident.	Being complied

23	The facility shall comply with ambient air quality standards of PM10 (particulate matter size less than 10um) 100 µg/m <sup>3</sup> ; PM2.5 (particulate matter size less than 2.5um) 60 µg/m <sup>3</sup> ; SO, 80 ug/m <sup>3</sup> ; NO, 80 µg/m <sup>3</sup> , outside the factory premises at the periphery of the facility.	Being complied.
	Noise Levels: Day time (6 AM to 10 PM)- 75 dB (A) Night time (10 PM to 6 AM)-70 dB (A).	Being complied. Day time - 68.8 Night time - 64.3
24	The applicant shall submit shredded plastic to TGPCB authorised recyclers and submit the details every year to the concerned RO by marking a copy to the Head office.	Being Submitted shredded plastic authorized Recyclers only
25	The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments.	Complied – Environmental Statement in Form V is submitted annually before 30th September as per Rule 14 of E(P) Rules, 1986 and amendments.”
26	The applicant shall submit an annual report to the T.G. Pollution Control Board in Form-IV by 30th June of every year for the period from January to December of the preceding year to include information about the categories and quantities of bio-medical waste handled.	Complied – Annual report in Form-IV, including categories and quantities of biomedical waste handled, is submitted to TSPCB by 30th June for the preceding year.
	<b>SCHEDULE - C</b> <b>[see rule 6 (2)]</b>	
1	The industry shall give top priority for waste minimization and cleaner production practices.	Complied – Waste minimization and cleaner production practices are given top priority in all operations.
2	The industry shall not store hazardous waste for more than 90 days as per the Hazardous and other wastes (Management, Handling and Trans boundary Movement) Rules, 2016 and amendments thereof.	Complied – Hazardous waste is not stored beyond 90 days as per HW (M,H & TM) Rules, 2016 and amendments.

3	The facility shall maintain 6 copy manifest system for transportation of waste generated and a copy of receipt of Consignee shall be submitted to the concerned Regional Office.	Complied.
4	The facility shall maintain proper records for Hazardous wastes stated in Authorisation in FORM 3 i.e., quantity of incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form - 4 as per Rule 20(2) of the Hazardous and other wastes (Management, Handling and Trans boundary Movement) Rules, 2016 and amendments thereof.	Complied – Proper records of hazardous wastes (incinerable, land disposal, recyclable, etc.) are maintained and annual returns in Form-4 are filed as per HW Rules, 2016 and amendments.
5	The facility shall dispose / sell the Hazardous waste to only industries/agencies authorized by the State PCB. The industry shall verify the authorization of the Board given to the party before disposing its waste to the External Party.	Complied – Hazardous waste is disposed/sold only to TSPCB-authorized industries/agencies, and their authorization is verified before disposal.
6	The facility shall maintain proper records for Hazardous wastes disposal and its concurrence with authorization, in case of variation in generation, facility shall submit explanation and obtain amendment in CFE/CFO in this regard.	Complied – Proper records of hazardous waste disposal are maintained. Any variation in generation is explained, and necessary amendments in CFE/CFO are obtained.
7	The facility shall store used / waste oil and used lead acid batteries in a secured way in their premises till its disposal. Waste oil shall be disposed to the authorized Re-processors / Recyclers and used lead acid batteries shall be disposed to the manufacturer / authorized dealer on buy back basis	Complied – Used/waste oil and lead-acid batteries are securely stored on-site. Waste oil is sent to authorized re-processors/recyclers, and lead-acid batteries are returned to manufacturers/authorized dealers on a buy-back basis.
8	The facility shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises.	Complied – Necessary measures are implemented to prevent oil spillages and carryover from the premises.
9	The facility shall maintain good housekeeping & maintain proper records for Hazardous wastes stated in Authorisation.	Complied – Good housekeeping is maintained and proper records for hazardous wastes as per authorization are kept.

10	The facility shall dispose of e-waste to the authorized recyclers only.	Complied – E-waste is disposed of only to authorized recyclers.
<b>SCHEDULE – D</b> <b>[See rule 10]</b>		
1	The authorisation shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.	Complied – The authorization is in full compliance with the Environment (Protection) Act, 1986 and its rules.
2	The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Telangana State Pollution Control Board.	Complied - The authorization/renewal is produced for inspection whenever requested by TSPCB authorized officers.”
3	The person authorized shall not rent, lend, sell, transfer or otherwise transport the bio-medical waste without obtaining prior permission of the Prescribed Authority.	Complied – No rental, lending, sale, transfer, or transport of biomedical waste is done without prior permission from the Prescribed Authority.
4	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorisation.	Complied – No unauthorized change in personnel, equipment, or working conditions has been made.
5	It is the duty of the authorized person to take prior permission of the Prescribed Authority to close down the facility.	Complied – Prior permission from the Prescribed Authority will be obtained before any facility closure.
6	The authorized person shall collect BMW from all Health Care Establishments (HCEs) authorized by the Board without fail.	Complied – Biomedical waste is collected from all Board-authorized Health Care Establishments without fail.
7	The authorized person shall submit route map of collection of BMW for each transport vehicle to the concerned Regional Office and Head Office.	Complied

8	The facility shall take all necessary steps to ensure that the bio-medical waste collected from the HCE is transported, handled, stored, treated and disposed of, without any adverse effect to the human health and the environment, in accordance with these rules and guidelines issued by the Central Government or, as the case may be, the central pollution control board from time to time.	Complied – All biomedical waste is transported, handled, stored, treated, and disposed of safely in accordance with BMW Rules and CPCB guidelines, ensuring no adverse impact on human health or the environment.
9	The facility shall ensure timely collection of bio-medical waste from the occupier as prescribed under BMW Management Rules, 2016.	Complied – Biomedical waste is collected from occupiers in a timely manner as per BMW Management Rules, 2016.
10	The facility shall establish bar coding and global positioning system for handling of bio- medical waste within one year from the date of notification of BMW Management Rules, 2016.	Complied.
11	The facility shall inform the prescribed authority immediately regarding the occupiers which are not handing over the segregated bio-medical waste in accordance with BMW Management Rules, 2016.	Complied – The Prescribed Authority is promptly informed of any occupiers not handing over segregated biomedical waste as per BMW Management Rules, 2016.
12	The facility shall provide training for all its workers involved in handling of bio- medical waste at the time of induction and at least once a year thereafter.	Complied – All workers handling biomedical waste receive training at induction and at least once annually thereafter.
13	The facility shall assist the HCES in training conducted by them for bio-medical waste management.	Complied – The facility assists HCEs in conducting training programs for biomedical waste management.
14	The facility shall undertake appropriate medical examination at the time of induction and at least once in a year and immunise all its workers involved in handling of bio-medical waste for protection against diseases, including Hepatitis B and Tetanus, that are likely to be transmitted while handling bio-medical waste and maintain the records for the same.	Complied – All workers handling biomedical waste undergo medical examination at induction and annually, are immunized against Hepatitis B and Tetanus, and records are maintained.

15	The facility shall ensure occupational safety of all its workers involved in handling of bio-medical waste by providing appropriate and adequate personal protective equipment.	Complied.
16	The facility shall report major accidents including accidents caused by fire hazards, blasts during handling of bio-medical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form I to the prescribed authority and also along with the annual report.	Complied.
17	The facility shall maintain a log book for each of its treatment equipment according to weight of batch; categories of waste treated time, date and duration of treatment cycle and total hours of operation.	Complied.
18	The facility shall allow occupier, who are giving waste for treatment to the operator, to see whether the treatment is carried out as per the rules;	Complied – Occupiers are allowed to verify that biomedical waste treatment is carried out in accordance with the rules.
19	The facility shall display details of authorisation, treatment, and annual report etc on its web-site.	Complied – Authorization details, treatment information, and annual reports are displayed on the facility's website.
20	The facility, after ensuring treatment by autoclaving or microwaving followed by mutilation or shredding, whichever is applicable, the recyclables from the treated bio-medical wastes such as plastics and glass, shall be given to recyclers having valid consent or authorisation or registration from the TSPCB.	Complied – Recyclables from treated biomedical waste (plastics, glass) are provided only to recyclers with valid TSPCB consent, authorization, or registration after autoclaving/microwaving and mutilation/shredding.
21	The facility shall supply non-chlorinated plastic coloured bags to the HCEs on chargeable basis, if required.	Complied – Non-chlorinated coloured plastic bags are supplied to HCEs on a chargeable basis, as required.
22	The facility shall ensure collection of biomedical waste on holidays also.	Complied – Biomedical waste is collected even on holidays to ensure uninterrupted service.

23	The facility shall maintain all record for operation of incineration, hydro autoclaving for a period of five years.	Records being maintained
24	The facility shall treat and dispose the bio-medical waste in accordance with Schedule - I and in compliance with the standards prescribed in Schedule II as per Bio-Medical Waste Management Rules, 2016.	Being Complied
25	The colored bags handed over by the healthcare facilities shall be collected in similar colored containers and such colored containers should be strong enough to withstand any damage that may occur during loading or unloading of such containers. Sharps shall be collected in puncture resistant containers. The container shall have a cover with the provision to seal it.	Being used suitable containers as per colour coded
26	The containers of Bio-medical waste shall be labelled according to Schedule - III and also carry information prescribed in Schedule - IV of Bio-medical Waste Management Rules, 2016.	Being Complied
27	The authorized person shall not accept the non-segregated waste from the HCES and such incident shall be reported to Prescribed Authority.	Will not accept the non-segregated waste from HCEs and we report such incidents to Prescribed Authority
28	The person responsible for collection of bio-medical waste shall also carry a register with him to maintain the records such as name of the hospitals, the quantity and type of wastes handled, signature of the person from the hospital side, day and time of collection etc.	Being complied
29	The bio-medical wastes collected in colored containers shall be transported to the CBWTF in a fully covered vehicle. The transport vehicles carrying BMW shall have separate compartments to maintain the segregation of wastes. The driver of the vehicle or the accompanied staff shall maintain necessary records while receiving and handing over the wastes.	Being maintained colour coded bins to segregate the Bio medical waste and necessary records being maintained
30	The vehicle shall be labelled with the Bio-medical waste symbol (as per Schedule - III of the rules) and should display the name, address and telephone number of Common Bio-medical Waste Treatment Facility. The rear side of the carrier shall have provision of full opening so that waste containers could be easily loaded	Complied – Vehicles are labelled with the BMW symbol, facility name, address, and contact number. Rear side allows full opening for easy

	and unloaded and also the carrier can be washed and disinfected easily.	loading/unloading and proper washing/disinfection.
31	Notwithstanding anything contained in the Motor Vehicles Act, 1988, or rules. there under, untreated biomedical waste shall be transported only in such vehicles as may be authorized for the purpose by the competent authority as specified by the Government	Complied – Untreated biomedical waste is transported only in vehicles authorized by the competent authority, in accordance with government regulations.
32	Every time a vehicle is unloaded, the vehicle and empty waste containers shall be washed properly and disinfected using disinfectants. It can be carried out in an open area but on an impermeable surface and liquid effluent so generated shall be collected and treated in the effluent treatment plant. The impermeable area shall be of enough size so as to avoid spillage of liquid during washing.	Complied – Vehicles and empty waste containers are washed and disinfected on an impermeable surface after every unloading. Generated effluent is collected and treated in the ETP, preventing spillage.
33	An identification board of durable material and finish shall be displayed at the entrance to the facility. This shall clearly display the name of the facility, the name, address and telephone number of the operator and the prescribed authority, the hours of operation and the telephone numbers of the personnel to be contacted in the event of an emergency.	Complied – A durable identification board is displayed at the facility entrance with the facility name, operator and Prescribed Authority contact details, hours of operation, and emergency contact numbers.
34	The authorized person shall maintain records related to collection, reception, storage, transportation, treatment, disposal and/or any form of handling of biomedical waste in accordance with the Bio-medical Rules and the guidelines for CBMWTF issued by Central Pollution Control Board.	Complied.
35	Every CBMWTF shall submit a work-plan to the prescribed authority. The work- plan should include the details of facilities at the CBMWTF, the collection, transportation & storage of the bio-medical wastes and operational details.	Complied.
36	The open area within the CBMWTF shall be developed into greenbelt.	Complied – Open areas within the CBMWTF have been developed into a greenbelt.
37	The proponent shall provide a closed pipeline system for carrying the effluent from the generation point to the ETP in order to avoid the mixing with rain water.	Complied – A closed pipeline system is provided to carry effluent from the generation point to the ETP, preventing mixing with rainwater.

38	All activities like washing of vehicles packing of shredded items, transferring or storage of any waste shall be done in this closed shed only.	Complied – All activities like packing of shredded items, and waste transfer or storage are carried out within the closed shed only.”
39	The proponent should construct the first flush retention pond to store rainwater. The water collected in the first flush retention pond shall be used for floor washings, and development of green belt to the extent possible after testing for microbial contamination.	It will be under construction (Rain water collection pond and collected rain water being used for green belt development and floor washings)
40	The facility shall install Auto feed / on-line monitoring system within one month and report the compliance to the concerned Regional Office and Head Office.	Complied – Auto feed/on-line monitoring system has been installed.
41	The authorized person shall dispose the incineration ash to the Treatment Storage and Disposal Facility (TSDf), located at Rangareddy District.	Complied – Incineration ash is disposed of at the TSDf located in Rangareddy District.
42	The facility shall comply with the Bio-Medical Waste Management Rules, 2016.	Complied – The facility operates in full compliance with the Bio-Medical Waste Management Rules, 2016.
43	The facility shall submit the condition wise compliance report of the conditions stipulated in Schedule B, C & D of this order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.	Complied – Condition-wise compliance reports for Schedule B, C & D are submitted half-yearly to the Board Office, Hyderabad, and the concerned Regional Office.

**M/s. Maridi Bio Industries Pvt. Ltd,  
Sy. No. 63/1, Maddur (V),  
Narasapur (M), Medak District.**

**STEPHEN ANTONY FERNANDEZ**

(Authorized Signatory)



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**ISSUED TO:**

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**Maridi Bio-Kagaz Maddur,**  
**Sy.No: 63/1, Kagaz Maddur Village, Narsapur**  
**Mandal, Medak District, Telangana.**

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Issued Date : 2026.04.01  
P.O. Number : 0400137022  
P.O. Date : 16.03.2026

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**Sample Particulars : AMBIENT NOISE MONITORING**

Sampling Date : 2026.03.18      Sample Registration Date : 2026.03.23  
Test Required : Day, Night, & Average  
Sample Collected by Vimta Labs Ltd

**TEST REPORT**

Parameters	UoM	Day	Night	Average
Near Main Gate	db(A)	68.8	64.3	66.5

**Name and Designation of Authorized Signatory**

**Dr. Subba Reddy Mallampati**  
**Manager-Environment**

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Mandal, Medak District, Telangana.**

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P.O. Date : 16.03.2026

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**Sample Particulars : Ambient Air Quality Monitoring Near Main Gate**

Sampling Date	: 2026.03.18	Sample Registration Date	: 2026.03.23
Analysis Starting Date	: 2026.03.24	Analysis Completion Date	: 2026.04.01
Test Required	: PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub>		
Sample Collected by	Vimta Labs Ltd		

**TEST REPORT**

Parameters	UoM	Method	NAAQ Standards	Results
Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	IS:5182 (P:23) 1999	100	78.4
Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	IS:5182 (P:24) 2019	60	40.7
Sulphur dioxide as SO <sub>2</sub>	µg/m <sup>3</sup>	IS:5182(P:2) 2001	80	21.8
Nitrogen dioxide as NO <sub>2</sub>	µg/m <sup>3</sup>	IS:5182(P:6) 1975	80	24.5

> PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>2</sub> is monitored 24 hrs. basis.

**Name and Designation of Authorized Signatory**

**Dr. Subba Reddy Mollampati  
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Report Number : VLL/VLS/25/28005/003  
Issued Date : 2026.04.01  
P.O. No : 0400137022  
P.O. Date : 16.03.2026

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**Sample Particulars : Stack Connected to Incinerator.**

Sampling Date	: 2026.03.18	Sample Registration Date	: 2026.03.23
Analysis Starting Date	: 2026.03.24	Analysis Completion Date	: 2026.04.01
Test Required	: Velocity, Flow rate, O <sub>2</sub> , CO <sub>2</sub> , CO, NO <sub>x</sub> , SO <sub>2</sub> and PM.		
Incinerator Capacity	: 250 Kg/Hr		
Sample collected by Vimta Labs Ltd.			

## TEST REPORT

Sr. No.	Parameters	UoM	Method of Testing	Results	ELV*
1	Total Height of Stack	m	--	20	--
2	Flue gas temperature	°C	-	121	--
3	Dia of the Stack	m	--	1.0	--
4	Velocity of Flue Gas,	m/sec	USEPA Method 2	9.95	--
5	Volumetric Flow Rate	Nm <sup>3</sup> /Hr		20382	--
6	Oxygen as O <sub>2</sub>	%	by Combustion Analyser	16.5	--
7	Carbon Dioxide as CO <sub>2</sub>	%		8.4	--
8	Carbon Monoxide as CO	mg/Nm <sup>3</sup>		76.2	<100.0
9	Oxides as Nitrogen as NO <sub>x</sub> as NO <sub>2</sub>	mg/Nm <sup>3</sup>	USEPA Method -07	223	<400.0
10	Sulphur dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	USEPA Method -06	42	<200
11	Hydrogen Chloride as HCl	mg/Nm <sup>3</sup>	USEPA Method -26	30.6	<50.0
12	Hydrogen Fluoride as HF	mg/Nm <sup>3</sup>	USEPA method -13	0.85	<4.0
13	Particulate Matter as PM	mg/Nm <sup>3</sup>	USEPA Method 5	30.8	50.0
14	Combustion Efficiency of Principle organic BMW	%	Calculation	99.0	>99.0

\*Emission Limit Values as per Schedule II of the Bio-medical Waste Management Rules, 2016  
All the Values are represented at 11 % O<sub>2</sub>.

Name & Designation of the Authorized Signatory



**Dr. Subba Reddy Mallampati**  
**Manager-Environment.**

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Report Number : VLL/VLS/25/28005/003  
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P. Order Ref : 0400137022  
P.O. Date : 16.03.2026

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**Sample Particulars : Stack Connected to Incinerator.**

Sampling Date	: 2026.03.18	Sample Registration Date	: 2026.03.23
Analysis Starting Date	: 2026.03.24	Analysis Completion Date	: 2026.04.01
Test Required	: Mercury as Hg; Cd + Tl its compounds+ As+ Pb+ Co+ Cr+ Cu+ Mn+ Ni+ V+ Their compounds		
Sample collected by Vimta Labs Ltd.			

**TEST REPORT**

Sr. No.	Parameters	UoM	Method of Testing	Results	ELV*
1	Mercury as Hg + their Compound	mg/Nm <sup>3</sup>	USEPA method -29	0.024	<0.05
2	Cadmium + Thallium (Cd + Tl) + their Compound			<0.001	<0.05
3	Chromium as Cr + their Compound			0.027	--
4	Manganese as Mn + their Compound			0.023	
5	Arsenic as As + their Compound			0.020	
6	Antimony as Sb + their Compound			0.018	
7	Lead as Pb + their Compound			0.014	
8	Cobalt as Co + their Compound			0.021	
9	Copper as Cu + their Compound			0.017	
10	Nickel as Ni + their Compound			0.013	
11	Vanadium as V + their Compound			0.016	
12	Total Metals: Sb+ As+ Pb+ Co+ Cr+ Cu+ Mn+ Ni+ V+ Their compounds			0.169	

All the values are represented at 11% O<sub>2</sub>.

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Report Number : VLL/VLS/25/28005/004  
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P.O. Date : 16.03.2026

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Sample Particulars : Diesel Generator Emission Monitoring  
DG Set ID : DG Set-1

Sampling Date : 2026.03.18 Sample Registration Date : 2026.03.23  
Analysis Starting Date : 2026.03.24 Analysis Completion Date : 2026.04.01  
Sample Collected by Vimta Labs Ltd.

**TEST REPORT**

Sr. No.	Parameters	UoM	Method of Testing	Results	* Limits
<b>Physical Parameters</b>					
1	DG Set Capacity	KVA	-	62.5	--
2	Stack diameter	m	-	0.235	--
3	Area of the Stack	m <sup>2</sup>	-	0.043	--
4	Flue gas Temperature	°C	USEPA M-2	79	--
5	Velocity of the Flue gas	m/Sec		8.3	--
6	Volumetric Flow rate	Nm <sup>3</sup> /hr		1089	--
<b>Chemical Parameters</b>					
7	Sulphur Dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	By Combustion Analyzer	24.0	--
8	Carbon Monoxide as CO @ 15% O <sub>2</sub>	mg/Nm <sup>3</sup>		86	≤ 150
9	Oxides of Nitrogen NO <sub>x</sub> as NO <sub>2</sub> @ 15% O <sub>2</sub>	ppmv		185	≤ 710
10	Hydro Carbons as NMHC @ 15% O <sub>2</sub>	mg/ Nm <sup>3</sup>		10.9	≤ 100
11	Particulate Matter as PM @15% O <sub>2</sub>	mg/ Nm <sup>3</sup>	USEPA M-5	24.58	≤ 115

\*Limits as per MOEF Notification GSR 489(E) for DG-Sets of a Capacity ≥ 800 KW

Name and Designation of Authorized Signatory

  
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Report Number : VLL/VLS/25/28005/BW/001  
Issued Date : 2026.04.01  
Your Ref : 0400137022  
And Date : 16.03.2026

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## SAMPLE PARTICULARS : Bore Well-Water Sample

Sampling Date	: 2026.03.18	Sample Registration Date	: 2026.03.23
Analysis Starting Date	: 2026.03.24	Analysis Completion Date	: 2026.04.01
Test Required	: As per IS 10500: 2012		
Method of Testing	: As per APHA 24 <sup>th</sup> Edition and IS 3025.		
Sample Collected by Vimta Labs Ltd			

## TEST REPORT

Sr. No	Parameters	Unit	IS: 10500 Limits-2012	Results
1	pH	-	6.5 - 8.5(NR)	7.56
2	Colour	Hazen	5(15)	3
3	Taste	-	Agreeable	Agreeable
4	Odour	-	Agreeable	Agreeable
5	Conductivity	µS/cm	\$	1106
6	Turbidity	NTU	1(5)	1.8
7	Total Dissolved Solids	mg/l	500(2000)	767
8	Total Hardness as CaCO <sub>3</sub>	mg/l	200(600)	434
9	Total Alkalinity as CaCO <sub>3</sub>	mg/l	200(600)	277
10	Calcium as Ca	mg/l	75(200)	85.6
11	Magnesium as Mg	mg/l	30(100)	46.8
12	Residual Chlorine	mg/l	0.2(1.0)	<0.1
13	Boron as B	mg/l	0.5(1.0)	0.07
14	Chlorides as Cl	mg/l	250(1000)	186.5
15	Sulphates as SO <sub>4</sub>	mg/l	200(400)	34.6
16	Fluorides as F	mg/l	1.0(1.5)	0.78
17	Nitrates as NO <sub>3</sub>	mg/l	45(NR)	31.7
18	Sodium as Na	mg/l	\$	74.5
19	Potassium as K	mg/l	\$	1.9
20	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	mg/l	0.001(0.002)	<0.001
21	Cyanides as CN	mg/l	0.05 (NR)	<0.02
22	Anionic Detergents	mg/l	0.2 (1.0)	<0.2
23	Mineral Oil	mg/l	0.5(NR)	<0.01
24	Cadmium as Cd	mg/l	0.003 (NR)	<0.003
25	Arsenic as As	mg/l	0.01(0.05)	<0.01
26	Copper as Cu	mg/l	0.05 (1.5)	<0.01
27	Lead as Pb	mg/l	0.01 (NR)	<0.01
28	Manganese as Mn	mg/l	0.1 (0.3)	0.03
29	Iron as Fe	mg/l	0.3(NR)	0.08
30	Total Chromium as Cr	mg/l	0.05(NR)	<0.01
31	Selenium as Se	mg/l	0.01 (NR)	<0.01
32	Zinc as Zn	mg/l	5(15)	0.07
33	Aluminum as Al	mg/l	0.03(0.2)	0.04
34	Mercury as Hg	mg/l	0.001 (NR)	<0.001
35	Pesticides	mg/l	Absent	Absent
36	E.Coli	-	Absent	Absent
37	Total Coliform	MPN/100	Absent	Absent

Note specified; UO: Unobjectionable; (\$) indicates no limits have been

Remarks: Results related only to the sample tested.

Instrument used: ICP-MS, GC-MS/MS & GC-MS with Purge and Trap; BDL: Below Detection limit;

The submitted sample complies to the requirement of IS 10500:2012 with respect to the tested parameters.

- END OF THE REPORT -

Name and Designation of Authorized Signatory

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Manager-Environment.

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Sy.No: 63/1, Kagaz Maddur Village, Narsapur Mandal,  
Medak District, Telangana.

Report Number : VLL/VLS/25/28005/ETP/001  
Issued Date : 2026.04.01  
P.O. No : 0400137022  
P.O. Date : 16.03.2026

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## SAMPLE PARTICULARS : ETP OUTLET WATER

Sampling Date : 2026.03.18 Sample Registration Date : 2026.03.23  
Analysis Starting Date : 2026.03.24 Analysis Completion Date : 2026.04.01  
Test Required : pH, TDS, TSS, COD, BOD and oil & Grease  
Sample Quantity : 5 Litres x 1 No.  
Sample Collected by Vimta Labs Ltd.

## TEST REPORT

S. No.	Test Parameters	Method of Testing	UoM	Results
1	pH at 25°C	APHA 23rd ed 4500 H	--	7.01
2	Total Dissolved Solids at 180°C	APHA 23rd ed 2540 C	mg/l	2089
3	Total Suspended solids 105°C	APHA 23rd ed 2540 D	mg/l	18
4	Oil & Grease	APHA 23rd ed 5520 C	mg/l	<1.0
5	Biological Oxygen demand @ 27°C for 3days	IS 3025 Part-44	mg/l	48.3
6	Chemical Oxygen Demand at 150°C	APHA 23rd ed 5220 B	mg/l	149

## Name and Designation of Authorized Signatory

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P.O. Date : 16.03.2026

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**SAMPLE PARTICULARS : ETP OUTLET WATER**

Sampling Date	: 2026.03.18	Sample Registration Date	: 2026.03.23
Analysis Starting Date	: 2026.03.24	Analysis Completion Date	: 2026.04.01
Test Required	: Bio Assay		
Sample Quantity	: 5 Liters x 1 No.		
Sample Collected by Vimta Labs Ltd.			

**TEST REPORT**

%Conc [v/v]	No of Fish	Mortality Record				Symptoms of Toxicity
		Time in hours				
		24	48	72	96	
Control	10	0	0	0	0	No symptoms of Toxicity were observed
Test (100 %)	10	0	0	0	0	No symptoms of Toxicity were observed

Method of Testing: As per IS: 6582-1971 (Reapproved 1992) Fish species: *Puntius sophore* (Fresh water minor caro) size: 2.5 to 3.0 cm Quality of sample pH: 7.61 and DO: 4.7 mg/L

**Name and Designation of Authorized Signatory**

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SAMPLE PARTICULARS		: ETP INLET WATER	
Sampling Date	: 2026.03.18	Sample Registration Date	: 2026.03.23
Analysis Starting Date	: 2026.03.24	Analysis Completion Date	: 2026.04.01
Test Required	: pH, TDS, TSS, COD, BOD and oil & Grease		
Sample Quantity	: 5 Litres x 1 No.		
Sample Collected by Vimta Labs Ltd.			

**TEST REPORT**

S. No.	Test Parameters	Method of Testing	UoM	Results
1	pH at 25°C	APHA 23rd ed 4500 H	-	7.76
2	Total Dissolved Solids at 180°C	APHA 23rd ed 2540 C	mg/l	2799
3	Total Suspended solids 105°C	APHA 23rd ed 2540 D	mg/l	80
4	Oil & Grease	APHA 23rd ed 5520 C	mg/l	2.8
5	Biological Oxygen demand @ 27°C for 3days	IS 3025 Part-44	mg/l	276
6	Chemical Oxygen Demand at 150°C	APHA 23rd ed 5220 B	mg/l	935

**Name and Designation of Authorized Signatory**



**Dr. Subba Reddy Mallampati  
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Issued Date : 2026.04.01  
P.O. No : 0400137022  
P.O. Date : 16.03.2026

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<b>Sample Name</b>	: Ash Sample	<b>Sample Registration Date</b>	: 2026.03.23
<b>Sampling Date</b>	: 2026.03.18	<b>Analysis Completion Date</b>	: 2026.04.01
<b>Analysis Starting Date</b>	: 2026.03.24		
<b>Method of Testing</b>	: As per USPA Edition 1311, IS 3025. Instrument Used: ICP-OES (Perkin-Elmer)		
<b>Test Required</b>	: Arsenic, Barium, Cadmium, Lead, Manganese, Mercury, Selenium, Silver, Beryllium, Cobalt, Copper, Molybdenum		
<b>Samples Coded</b>	: Ash Sample		
<b>Samples Collected by</b>	Vimta Labs Limited.		

## TEST REPORT

Sr. No.	PARAMETER	UOM	Result
1	Arsenic	mg/L	<0.01
2	Barium	mg/L	2.6
3	Cadmium	mg/L	<0.01
4	Lead	mg/L	<0.1
5	Manganese	mg/L	1.9
6	Mercury	mg/L	<0.001
7	Selenium	mg/L	<0.01
8	Silver	mg/L	0.29
9	Beryllium	mg/L	<0.01
10	Cobalt	mg/L	0.68
11	Copper	mg/L	0.39
12	Molybdenum	mg/L	1.78

Remarks: Results relate only to the sample tested.

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Manager-Environment

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<b>SAMPLE PARTICULARS</b>	: Ash Sample	Sample Registration Date	: 2026.03.23
Sampling Date	: 2026.03.18	Analysis Completion Date	: 2026.04.01
Analysis Starting Date	: 2026.03.24		
Test Required	: Loss on Ignition, Total Organic Carbon		
Method of Testing	: ASTM D7348 and SOP No. 26/22		
Sample collected by	: Vimta Labs Ltd.,		

**TEST REPORT**

S. No.	Test Parameters	UoM	Results
1	Total Organic Carbon	%	1.45
2	Loss on Ignition	%	2.0

Remarks: Results relate only to the sample tested.

--END OF THE TEST REPORT --



  
**Dr. Subba Reddy Mallampatti**  
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CIN : L24110TG1990PLC011977

**Vimta Labs Limited**

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**Vimta**

Driven by Quality. Inspired by Science.

**ISSUED TO:**

M/s. MARIDI BIO INDUSTRIES PRIVATE LIMITED,  
 SY.NO. 63/1, KAGAZ MADDUR VILLAGE,  
 NARSAPUR MANDAL, MEDAK- Dist:502313  
 TELANGANA, INDIA.

Report Number : VLL/VLS/25/03453/01  
 Issued Date : 2025.06.05  
 P.O. Number : 0400125262  
 P.O. Date : 13.05.2025

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**SAMPLE PARTICULARS : Stack Connected to Bio Medical Waste Incineration**

Sample Registration Date : 2025.05.16      Sampling Date : 2025.05.15  
 Analysis Starting Date : 2025.05.17      Analysis Completion Date : 2025.06.05  
 Test Required : PCDD&PCDF  
 Capacity of BMW Incinerator : 200 Kg/Hr  
 Fuel Used : Diesel  
 Sample collected by Vimta Labs Ltd.

**TEST REPORT**

Sr.No.	PARAMETERS	UoM	RESULTS	
<b>PHYSICAL PARAMETERS OF STACK</b>				
1	Diameter of Stack	m	1.0	
2	Temperature	°C	124	
3	Average Velocity	m/sec	8.40	
4	Volumetric flow rate	Nm <sup>3</sup> /Hr	17174	
<b>Congeners of Dioxin &amp; Furans</b>		<b>Concentration</b>		
		<b>Concentration (ng)</b>	<b>TEF</b>	<b>TEQ (ng)</b>
1	1234678-HpCDD	0.8653	0.01	0.0087
2	1234678-HpCDF	0.7632	0.01	0.0076
3	1234789-HpCDF	0.7698	0.01	0.0077
4	123478-HxCDD	0.0567	0.1	0.0057
5	123478-HxCDF	0.0949	0.1	0.0095
6	123678-HxCDD	0.3571	0.1	0.0357
7	123678-HxCDF	0.6135	0.1	0.0614
8	123789-HxCDD	0.5763	0.1	0.0576
9	123789-HxCDF	0.0064	0.1	0.0006
10	12378-PeCDD	0.0042	0.5	0.0021
11	12378-PeCDF	0.0748	0.05	0.0037
12	234678-HxCDF	0.0987	0.1	0.0099
13	23478-PeCDF	0.0104	0.5	0.0052
14	2378-TCDD	0.0000	1	0.0000
15	23478-TCDF	0.0912	0.1	0.0091
16	OCDD	1.8765	0.001	0.0019
17	OCDF	0.5765	0.001	0.0006
<b>Total ng TEQ</b>				0.2270
<b>Vstd (Nm<sup>3</sup>)</b>				5.50
<b>ng TEQ/Nm<sup>3</sup></b>				0.0413
<b>% of O<sub>2</sub> in Flue Gas</b>				12.3
<b>Total Furans &amp; Dioxins (ng TEQ/Nm<sup>3</sup> at 11 % O<sub>2</sub> Correction)</b>				<b>0.0475</b>
<b>Limits As per Schedule II of the Bio-medical Waste Management Rules, 2016. ng TEQ/Nm<sup>3</sup> at 11 % O<sub>2</sub> Correction</b>				<b>0.1</b>

Instruments used for Gaseous: Optima 7 Multi Gas Analyzer. Method of Testing: As per USEPA 23 A & 8290  
 Detection Limit: 0.01pg



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 Manager-Environment

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