ANNEXURE

ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

Environmental Statement for the financial year ending with 31st March,2023

PART-A

1). Name and address of the owner/ Occupier of the industry	Maridi Bio Industries Pvt. Ltd, Survey No. 63/1, Kagaz Maddur Village, Narsapur Mandal, Medak Dist. – 502 313, Telangana Maridi Bio Industries Pvt. Ltd.		
Operation or Process.			
11). Industry category *Primary-(STC Code)* *Secondary- (STC Code)*	*TSPCB : Red Category, Small Scale* *Sector No – 14. The facility as Red but special category project as this is part of pollution control facility.*		
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	***NIC 2 Digit***	***NIC 4 Digit***	***NIC 5 Digit***
	38 - Waste collection, treatment and disposal activities; materials recovery	*3822 - Treatment and disposal of hazardous waste*	*38221 - Treatment and disposal of toxic live or dead animals and other, contaminated waste, disposal of used goods; incineration of hazardous waste*
111). Production Category – Unit	*Common Bio Medical Waste Disposal Facility*		
Consent Capacity	***Actual Disposal in Kg***		
Incinerator - 200 kg /hr	*701289*		
Autoclave - 420 Liters and 60 Liters stand-by	*210744*		
Shredder-40 kg /hr			
Total	***912033***		
IV). Year of establishment	***03/05/2010***		

PART –B

Water and Raw Material Consumption:

1). Water consumption in m^3/d	***Max. daily Discharge***	***Point of Disposal***
Processing from scrubber and washing	*0.5 KLD*	*Recycle within the Process*
Floor Washing, Autoclave & Domestic	*1.5 KLD*	*Onland for plantation in the facility premises after treatment in ETP*
Total	*2 KLD*	

Name of Products	Process water consumption per unit of products	
	During the previous financial year 2021 - 22	During the current financial Year 2022 -23
Processing from scrubber and washing	.5 KLD	.5 KLD
Floor Washing, Autoclave & Domestic	.1.4 KLD	.1.5 KLD
Total	.1.9 KLD	.2 KLD

i. Raw material consumption

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year, 2021 -22	During the current financial year- 2022-23
Bio Medical waste	By Products - Incinerable Ash & ETP Sludge	46.46 Tons of ash and sludge generated and disposed during the treatment of 717403 kg of Bio Medical waste.	31.68 Tons of ash and sludge generated and disposed during the treatment of 701289 kg of Bio Medical waste.

** Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.*

PART-C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged Limits	Percentage of variation from prescribed standards with reasons.
(a) Water	We are not discharging any pollutants. We have zero Liquid Discharge facility in place. (Analysis Reports Enclosed)		
(b) Air	We are not disposing any fugitive gases; We have dedicated scrubbing system in our Incinerator. (Air Monitoring reports are enclosed).		
Effluent Out Let			
PH	8.96 mg/l	6.50 – 9.00	
Total Suspended Solids (at 103-105^{0}C)	10 mg/l	200	
Total Dissolves Solids (TDS)	1650 mg/l	2100	
Oil and Grease	<1.0 mg/l	10	
Chemical Oxygen Demand (COD)	30 mg/l	250	
Biochemical Oxygen Demand (BOD)	9.1 mg/l	30mg/lt	

Incinerator Emmissions - Air

Parameters	Results	Limiting concentration in mg/Nm3	
Particulate Matter	5.71	50	
Nitrogen Oxides NOx	119.8	400	
HCl		50	
CO & CO2		100	
Hg & Compounds		0.05	
Total Dioxins and furans		0.1ng TEQ/Nm3	

Ambient Noise level

Test Required	Results	Limits	
Day Time (6 AM to 10 PM)	70.9	75dB (A)	
Night time (10PM to 6AM)	57.2	70 dB(A)	

PART-D

HAZARDOUS WASTES

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year, 2021 -22	During the current fina ncial year- 2022-23
1. Incinerable Ash 2. ETP Sludge	46.46 Tons of ash and sludge generated and disposed during the treatment of 717403 kg of Bio Medical waste.	31.68 Tons of ash and sludge generated and disposed during the treatment of 701289 kg of Bio Medical waste.

PART – E

SOLID WASTES:

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year 21-22	During the current financial year 22-23
a. From process		
b. From Pollution Control Facility	Yellow(Incinerable) 717403 Red (Autoclave) 88792 PPC (Sharps) 5597 Blue (Glass) 36549	Yellow (Incinerable) 701289 Red (Autoclave) 150704 PPC (Sharps) 11902 Blue (Glass) 48138
c. Quantity recycled or re- utilized within the unit.	The facility has disposed about 343 Kg /day (125.34 Tons Annually) of plastic waste, glassware and sold to M/s Bharat Enterprises during the period.	The facility has disposed about 544.77 Kg /day (198.84 Tons Annually) of plastic waste, glassware and Metallic body Implants sold to M/s Bharat Enterprises during the period.

PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Category	**Type of Waste**	**Treatment and Disposal Options**
Yellow	**(a) Human Anatomical Waste** **(b) Animal Anatomical Waste** **(c) Soiled Waste** **(d) Expired or Discarded Medicines**	**Incineration or Plasma Pyrolysis or deep burial or *as suggested under the Rules.***

	(e) Chemical Waste (f) Chemical Liquid Waste: (g) Discarded linen, mattresses, beddings contaminated with blood or body fluid. (h) Pre-treated Microbiology, Biotechnology and other clinical laboratory	
Red	Contaminated Waste (Recyclable) (a) Wastes generated from disposable items such as tubings, bottles, intravenous tubes and sets, catheters, urine bags, syringes (without needles).	Autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent to registered or authorized recyclers or for energy recovery or plastics to diesel or fuel oil or for road making, whichever is possible. Plastic waste should not be sent to landfill sites.
White (PPC)	Waste sharps including Metals Needles, syringes with fixed needles, needles from needle tip cutter or burner, scalpels, blades, or any other contaminated sharp object that may cause puncture and cuts. This includes both used, discarded and contaminated metal sharps	Autoclaving or Dry Heat Sterilization followed by shredding or mutilation or encapsulation in metal container or cement concrete; combination of shredding cum autoclaving; and sent for final disposal to iron foundries (having consent to operate from the SPCB/PCC) or sanitary landfill or designated concrete waste sharp pit.

Blue	**Glass Ware (Broken or discarded and contaminated glass including medicine vials and ampules except those contaminated with cytotoxic drugs) and Metallic Body Implants**	**Disinfection (by soaking the washed glass waste after cleaning with detergent and Sodium Hypochlorite treatment) or through autoclaving or microwaving or hydroclaving and then sent for recycling**

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

a) *Energy efficient equipment like CFL lights have been installed to conserve energy. This has reduced the electricity requirements.*

b) *Development and Promotion of Cleaner Technologies, Control of Pollution, Waste Minimization and Cleaner Production, Taj Protection Mission, Environmental Health, Noise Pollution, Air Pollution, Vehicular Pollution Control, Industrial Pollution Control, Common Effluent Treatment Plants, Assistance for Abatement of Pollution, Zoning Atlas for Siting of Industries, Eco Cities, Urban Environmental Information System Establishment of Environment Protection Authority, Central Pollution Control Board, Hazardous Substances Management)*

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

a) *Proposed of rainwater harvesting system.*
b) *Proposed development work for Effluent water treatment*
c) *Proposed Cleaning for ETP tank*
d) *Proposed cost of chemicals for pretreatment and cleaning*
e) *Proposed to disposal cost of Hazardous waste*
f) *Proposed to new compound wall.*

PART –I

MISCELLANEOUS:

Any other particulars inrespect of environmental protection and abatement of pollution.

1). ISO 45001 – 2018 under certification process
ISO 14001 -2015 under certification process
ISO 9001 -2015 under certification process
2). We have Zero Liquid Discharge plant
3). We Celebrated the safety week Celebration on march 4th and training given on safety awareness.
4). We Celebrated the world environment day on June 5th and planted trees in the premises of the plant.
5) We conducted the training programs on Fire safety, Environment management system, Material safety data system, Water Conservation and effluent reduction, First Aid, Spill Management, Bio Medical Segregation, Collection, storage, handling, disposal, and Handling of hazardous Chemicals etc.

I hereby declare that the above statements or information are true and correct to the best of my knowledge and belief.

Place: Hyderabad
Date: 18. 04.2023

STEEPHEN ANTONY FERNANDEZ
Dept. Manager

SATTVA GLOBAL SERVICES PVT. LTD. HYDERABAD