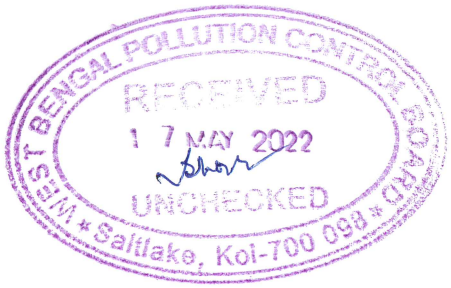
Medicare Environmental Management Pvt. Ltd.
(Formerly Known as SembRamky Environmental Management Pvt. Ltd.)
C I Number: U24117AP1997PTC026555
41, F - Road, Belgachia, Near HMC Dumping Site,
Howrah-711 105
Land Line : 033-2651 3890 / 6207

MEMPL/WBPCB/EAS-HOW/22-23/031

14.05.2022

The Chief Engineer (WMC),
West Bengal Pollution Control Board,
Paribesh Bhavan,
10A, Block LA, Sector III,
Salt Lake, Kolkata – 700098



Sub: **Submission of Form V (Environmental Audit Statement) of Howrah facility for the year of 2021-2022**

Dear Sir,

We are pleased to submit herewith the Environmental Audit Statement of our Howrah facility in prescribed format as Form V, for the period of April'2021 to March'2022.

Thanking you,

Yours faithfully,
For Medicare Environmental Management Pvt. Ltd.

Snehangshu Chakraborty
Deputy General Manager
M: +91 9831962869
E: snehangshu@resustainability.com

FORM – V
(See rule 14)
Environmental Audit Report for the Financial year ending the 31st March 2022.

PART – A

1	Name & address of the owner / occupier of the industry, operation or process	**Medicare Environmental Management Pvt. Ltd.** **41, F-Road, Near HMC Dumping Site, Belgachia, Howrah -711105**
2	Industry Category	**CBWTF (RED)**
3	Production Capacity	**7500 Kgs per day** **(5000 Incinerable+2500 Autoclavable)**
4	Year of establishment	**2005**
5	Date of Last Environmental Statement	**29.06.2021**

PART – B

1	Water Consumption m^3/day process		
	Cooling (quencher/ventury/scrubber)	**30**	
	Domestic (toilet / washing)	**6**	

	Name of Products	Water consumption per unit of products	
		During the previous financial year 20-21	During the previous current financial year 21-22
1	Not applicable		
2			

2	Raw Material Consumption	Consumption of Raw Material Per unit of output	
Name of Raw Materials	Name of Products	During the previous financial year 20-21	During the current financial year 21-22
HSD	Transportation	**35 KL**	**37.22 KL**
	Operation	**11 KL**	**10.00 KL**
		46 KL (Total)	**47.22 KL (Total)**

BMW	Incinerable Autoclavable	**3270 Ton** **3291 Ton**	**2897 Ton** **555 Ton**

PART – C
Pollution Generated
(Parameters as specified in the consent issued)

	Pollutants	Quantity of pollution generated	Percentage of variation from prescribed standards with reasons
a	Water **(as per individual consent)**	**ETP(Inlet):** BOD – 205 mg/L pH – 4.5 Oil & Grease – 12 mg/L COD – 651.04 mg/L TSS – 142 mg/L **ETP(Outlet):** BOD – 12 mg/L pH – 8.2 Oil & Grease – 4 mg/L COD – 150.24 mg/L TSS – 34 mg/L	Nil (Zero Discharge Facility)
b	Air	**June – 2021(efrac)** **Incin. Stack** SPM – 11.33 mg/Nm^3 (at 11% O_2) NOx – 67.30 mg/Nm^3 HCL - <0.5 mg/Nm^3 Hg - <0.0003 mg/Nm^3 Total Dioxins & Furans - <0.01 ng.TEQ/Nm^3 **DG Stack** SPM – 0.119 g/KW-hr (at 11% O_2) SO_2 – 10 mg/m^3 CO_2 - 7.4 %v/v **October – 2021(efrac)** **Incin Stack:** SPM – 10.79 mg/Nm^3 (at 11% O_2) NOx – 53 mg/Nm^3 HCL - <0.5 mg/Nm^3 Hg - <0.0003 mg/Nm^3 Total Dioxins & Furans - <0.01 ng.TEQ/Nm^3	Nil

		DG Stack: SPM – 0.181 g/KW-hr (at 11% O_2) SO_2 – 14.0 mg/m^3 CO_2 - 12.9 %v/v **December 2021(efrac)** **Incin Stack:** SPM – 6.30 mg/Nm^3 (at 11% O_2) NOx – 59 mg/Nm^3 HCL - <0.5 mg/Nm^3 Hg - <0.0003 mg/Nm^3 Total Dioxins & Furans - <0.01 ng.TEQ/Nm^3 **DG Stack:** SPM – 0.178 g/KW-hr (at 11% O_2) SO_2 – 8.96 mg/m^3 CO_2 - 13.1 %v/v **March 2022(efrac)** **Incin Stack:** SPM – 42.75 mg/Nm^3 (at 11% O_2) NOx – 20.92 mg/Nm^3 HCL - <0.5 mg/Nm^3 Hg - <0.0003 mg/Nm^3 Total Dioxins & Furans - <0.01 ng.TEQ/Nm^3 **DG Stack:** SPM – 0.104 g/KW-hr (at 11% O_2) SO_2 – 14.76 mg/m^3 CO_2 - 11.9 %v/v	

PART – D [as specified under Hazardous Wastes (Management & Handling) Rules, 1989]			
	Hazardous Wastes	Total Quantity (in Kgs)	
		During the previous financial year 20-21	During the current financial year 21-22
a	From Process **(Ash)**	**183 Ton**	**196 Ton**
b	From Pollution Control Facilities **(Sludge)**	**83 Ton**	**130 Ton**
PART –E Solid Wastes			
		Total Quantity	
		During the previous financial year 20-21	During the current financial year 20-21
a	From Process (autoclaved scrap like Scrap Plastic/Rubber/IV Tubes) Scrap Glass	**227 Ton** **102 Ton**	**372 Ton** **183 Ton**
b	From Pollution Control Facilities	**NIL**	**NIL**
Qty. recycled or re utilized – Autoclaved Scrap Scrap Plastic/Rubber/IV Tubes Scrap Glass		**227 Ton** **102 Ton**	**372 Ton** **183 Ton**
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.			
➢ **Hazardous waste disposed at authorized TSDF at WBWML, Haldia** ➢ **Solid waste (other than scrap Glass) after autoclaving and shredding sent to RRRL, Haldia** ➢ **Solid waste-scrap Glass after autoclaving and shredding sent to authorized recycler**			

through Sital Sen, Howrah
PART – G Impact of pollution control measures on conservation of natural resources and consequently on the cost of production.
➢ **Process water for quenching / scrubbing is 100% re-circulated through ETP** ➢ **Autoclaved / Shredded / Plastic / Glass scrap is recycled**
PART – H Additional investment proposal for environmental protection including abatement of pollution.
Investment for Environmental Protection including abatement of pollution: **₹ 11.21 lacs incurred during FY 21-22** **₹ 35.00 lacs proposed for FY 22-23**
The Environment (Protection) Rules, 1986 PART-1 Miscellaneous Any other particulates in respect of environment protection and abatement of pollution
The unit is certified to ISO 9001, ISO 14001 and ISO 18001 Integrated QEHS Management System from British Standards Institute. **Periodic audits carried out at site and CCTV monitoring ensured by separate centralized Command and Control Team 24X7.** **Movement of all the Bio-Medical Waste Collection vehicles are monitored by GPS** **The site maintains On site and Off site disaster management system.**

For Medicare Environmental Management Pvt. Ltd. – Howrah

Snehangshu Chakraborty
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Email: snehangshu@resustainability.com