

MEMPL/WBPCB/EAS-DUR/22-23/030

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 Mangalpur facility for the year of 2021-2022**

Dear Sir,

We are pleased to submit herewith the Environmental Audit Statement of our Mangalpur 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
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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. Mouza: Mangalpur, Touzi No: 19 Manbhum, Dag no: 457(P), 458(P), 478(P), JL no: 22, PS: Raniganj, Dist: Burdwan, Pin: 713347
2	Industry Category	CBWTF (RED)
3	Production Capacity	7500 kgs per day (5000 Incinerable + 2500 Autoclavable)
4	Year of establishment	2007
5	Date of Last Environmental Statement	29.06.2021

PART – B

1	Water Consumption m ³ /day process		
	Cooling (quencher / ventury / scrubber)	15.07	
	Domestic (toilet / washing)	07.34	
	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 44.52 KL	112.54 KL 49.98 KL
		165.12 KL (Total)	162.52 KL (Total)

BMW	Incinerable Autoclavable	2651.86 Ton 170.77 Ton	2671.65 Ton 371.26 Ton
<p align="center">PART – C Pollution Generated (Parameters as specified in the consent issued)</p>			
	Pollutants	Quantity of pollution generated	Percentage of variation from prescribed standards with reasons
a	Water (as per individual consent)	<p>December, 2021(EFRAC)</p> <p>ETP Inlet pH Value: 7.7 SS: 164 mg/ltr Oil & Grease: 15 mg/ltr BoD: 220 mg/ltr CoD: 701 mg/ltr</p> <p>ETP Outlet pH Value: 7.6 SS: 60 mg/ltr Oil & Grease: 5 mg/ltr BoD: 12 mg/ltr CoD: 140.22 mg/ltr</p>	
b	Air	<p>June, 2021(EFRAC)</p> <p>DSS Incin: SPM: 46.80 mg/Nm³ Total dioxin & furan: <0.01 ng.TEQ/Nm³ NOx: 23.0 mg/ Nm³ HCL: <0.5 mg/ Nm³ Hg: <0.0003 mg/ Nm³</p> <p>DG: SPM: 0.022 g/KW-hr SO₂: 12.0 mg/m³ CO₂: 12.9%v/v</p> <p>September, 2021(EFRAC)</p> <p>DSS Incin: SPM: 27.90 mg/Nm³ (at 11% O₂) Total dioxin & furan: <0.01 ng.TEQ/Nm³</p>	

		<p>NOx: 22.0 mg/Nm³ HCL: <0.5 mg/Nm³ Hg: <0.0003 mg/Nm³ DG: SPM: 0.164 g/KW-hr SO₂: 17.0 mg/m³ CO₂: 14.2 %v/v</p> <p>December, 2021(EFRAC) DSS Incin: SPM: 11.05 mg/Nm³ (at 11% O₂) Total dioxin & furan: <0.01 ng.TEQ/Nm³ NOx: 15.0 mg/Nm³ HCL: <0.5 mg/Nm³ Hg: <0.0003 mg/Nm³ DG: SPM: 0.053 g/KW-hr SO₂: 8.44 mg/m³ CO₂: 13.1 %v/v</p> <p>January, 2022(EFRAC) DSS Incin: SPM: 21.38 mg/Nm³ (at 11% O₂) Total dioxin & furan: <0.01 ng.TEQ/Nm³ NOx: 34.12 mg/Nm³ HCL: <0.5 mg/Nm³ Hg: <0.0003 mg/Nm³ DG: SPM: 0.091 g/KW-hr SO₂: 14.55 mg/m³ CO₂: 12.70 %v/v</p>	
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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 previous current financial year 21-22
a	From Process (Ash)	198.45 Ton	251.44 Ton
b	From Pollution Control Facilities (Sludge)	67.23 Ton	95.83 Ton

PART –E
Solid Wastes

		Total Quantity	
		During the previous financial year 20-21	During the previous current financial year 20-21
a	From Process (autoclaved scrap)	131.925 Ton	296.670 Ton
	Scrap Plastic/Rubber/IV Tubes	60.06 Ton	74.55 Ton
	Scrap Glass		
b	From Pollution Control Facilities	Nil	Nil
Qty. recycled or re utilized- autoclaved scrap		131.925 Ton	289.76 Ton
Scrap Plastic/Rubber/IV Tubes			
Scrap Glass		60.06 Ton	70.01 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/Saltora.**
- **Solid waste (other than scrap Glass) after autoclaving and shredding sent to authorized recycler at M/s. Excellent Waste Management, New Delhi.**
- **Solid waste - scrap glass after autoclaving and shredding sent to authorized recycler through Sital Sen, Howrah/Chand Khan, Raniganj**

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**

<p style="text-align: center;">PART – H</p> <p>Additional investment proposal for environmental protection including abatement of pollution.</p>
<p>Investment for Environmental Protection including abatement of pollution :</p> <p>₹ 26.21 lacs incurred during FY 21-22</p> <p>₹ 25.00 lacs proposed for FY 22-23</p>
<p style="text-align: center;">The Environment (Protection) Rules, 1986</p> <p style="text-align: center;">PART-1</p> <p style="text-align: center;">Miscellaneous</p> <p>Any other particulates in respect of environment protection and abatement of pollution</p>
<p>The unit is certified to ISO 9001, ISO 14001 and ISO 18001 Integrated QEHS Management System from British Standards Institute.</p> <p>Periodic audits carried out at site and CCTV monitoring ensured by separate centralized Command and Control Team 24X7.</p> <p>Movement of all Bio-Medical waste collection vehicles are monitored by GPS</p> <p>The site has Onsite and Offsite disaster management system.</p>

For Medicare Environmental Management Pvt. Ltd. – Mangalpur


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