

MEMPL/WBPCB/AR-HOW/22-23/027

12.05.2022

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

Sub: **Submission of Form IV (BMW Annual Report) of Howrah facility for the year of 2021**

Dear Sir,

We are pleased to submit herewith, the BMW annual report of our Howrah facility in prescribed format as Form IV, for the period of January'21 to December'21.

Thanking you,

Yours faithfully,
For Medicare Environmental Management Pvt. Ltd.



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

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Form - IV
(See rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No.	Particulars		
1.	Particulars of the Occupier	:	
	(i) Name of the authorized person (occupier or operator of facility)	:	Mr. Snehangshu Chakraborty
	(ii) Name of HCF or CBMWTF	:	Medicare Environmental Management Pvt. Ltd.
	(iii) Address for Correspondence	:	Regional Office - 41, F- Road, Belgachia, Howrah - 711 105
	(iv) Address of Facility	:	41, F - Road, Near HMC Dump Site, Belgachia, PS – Liluah, Howrah- 711 105
	(v) Tel. No, Fax. No	:	033- 2651 3890 / 2651 6207
	(vi) E-mail ID	:	snehangshu@resustainability.com
	(vii) URL of Website	:	www.medicareenviro.com
	(viii) GPS coordinates of HCF or CBMWTF	:	22.607683 Latitude 88.326411 Longitude
	(ix) Ownership of HCF or CBMWTF	:	Private Limited
	(x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	:	Authorization No.: 01/2S(BM)-1632/2003(Pt-I) , valid up to 30.11.2023
	(xi). Status of Consents under Water Act and Air Act	:	CTO valid up to: 30.11.2023
2.	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	NA
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or	:	NA
	(iii) License number and its date of expiry	:	NA
3.	Details of CBMWTF	:	
	(i) Number healthcare facilities covered by CBMWTF	:	2286
	(ii) No of beds covered by CBMWTF	:	32171 (incl. 4690 tendered DHS beds served by WBWML on behalf of Medicare)
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	7500 kg / day

	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	10307.96 kg/day																																								
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	Yellow Category: 3298716 kg/annum Red Category: 241169 kg/annum. White: 55616 kg/annum. Blue Category: 166905 kg/annum. General Solid waste: Nil																																								
555	Details of the Storage, treatment, transportation, processing and disposal facility																																										
	(i) Details of the on-site storage facility	:	Size :2 acres facility, Storage shed 50X50 ft Capacity: 16000 kgs Provision of on-site storage : (cold storage or any other provision) Covered with Shed																																								
	(ii) Details of the treatment or disposal facilities	:	<table border="1"> <thead> <tr> <th>Type of treatment equipment</th> <th>No of units</th> <th>Capacity Kg/day</th> <th>Quantity treated or disposed in kg per annum</th> </tr> </thead> <tbody> <tr> <td>Incinerator</td> <td>02 nos.</td> <td>5000 kg/day</td> <td></td> </tr> <tr> <td colspan="4">(One standby)</td> </tr> <tr> <td>Autoclaves</td> <td>800 Ltr. – 2500</td> <td>kg/day</td> <td></td> </tr> <tr> <td colspan="4">(5 Batch)</td> </tr> <tr> <td>Shredder1-</td> <td>60kg/hr</td> <td></td> <td></td> </tr> <tr> <td colspan="4">(600 Kg/Day)</td> </tr> <tr> <td>Shredder2-</td> <td>80kg/hr</td> <td></td> <td></td> </tr> <tr> <td colspan="4">(800 Kg/Day)</td> </tr> <tr> <td colspan="4">Chemical disinfection: By 1% - 2% NaOCL Solns.</td> </tr> </tbody> </table>	Type of treatment equipment	No of units	Capacity Kg/day	Quantity treated or disposed in kg per annum	Incinerator	02 nos.	5000 kg/day		(One standby)				Autoclaves	800 Ltr. – 2500	kg/day		(5 Batch)				Shredder1-	60kg/hr			(600 Kg/Day)				Shredder2-	80kg/hr			(800 Kg/Day)				Chemical disinfection: By 1% - 2% NaOCL Solns.			
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	(iii) Quantity of recyclable wastes sold to authorize recyclers after treatment in kg per annum.	:	Red Category (like plastic, glass etc.) 513505 kgs.																																								
	(iv) No of vehicles used for collection and transportation of biomedical waste	:	21 nos.																																								
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:	296560 kg. Incin. Ash(37.2) and ETP sludge(35.3) generated & 278210 kg disposed at group TSDF in Haldia, Purba Medinipur																																								

	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	:	Medicare Environmental Management Pvt. Ltd.
	(vii) List of member HCF not handed over bio-medical waste.		745 units.
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period		Yes.
7	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management.		02
	(ii) Number of personnel trained		145
	(iii) Number of personnel trained at the time of induction		All
	(iv) Number of personnel not undergone any training so far		Nil
	(v) Whether standard manual for training is available?		Yes.
	(vi) any other information		NA
8	Details of the accident occurred during the year		
	(i) Number of Accidents occurred		NIL
	(ii) Number of the persons affected		NIL
	(iii) Remedial Action taken (Please attach details if any)		NIL
	(iv) Any Fatality occurred, details.		NIL
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?		Yes. N.A.
	Details of Continuous online emission monitoring systems installed		Model No. – ATS 208A Parameter- O ₂ , CO ₂ , CO, PM, Temp. of PCC & SCC
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		ETP having chemical and Biological process
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?		Yes N.A.
12	Any other relevant information	:	APCD of Incinerator Wet Quencher, Wet Ventury, Packed Bed Scrubber, Moisture Separator.

Certified that the above report is for the period from January'2021 to December'2021

Date: 12.05.2022

Place: Howrah

Snehangshu Chakraborty
Deputy General Manager



FORM – I
[(See rule 4(o), 5(i) and 15 (2))]


ACCIDENT REPORTING

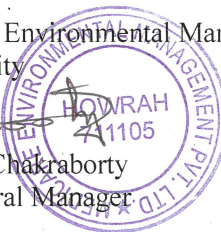
- | | |
|---|-----|
| 1. Date and time of accident: | NIL |
| 2. Type of Accident: | NA |
| 3. Sequence of events leading to accident: | NA |
| 4. Has the Authority been informed immediately: | NA |
| 5. The type of waste involved in accident: | NA |
| 6. Assessment of the effects of the
Accidents on human health and the environment: | NA |
| 7. Emergency measures taken: | NA |
| 8. Steps taken to alleviate the effects of accidents: | NA |
| 9. Steps taken to prevent the recurrence of such an accident: | NA |
| 10. Does your facility have an Emergency Control policy? If yes give details: Emergency Preparedness
Policy as per ISO Standard. | |

Date: 12.05.22

Place: Howrah

For Medicare Environmental Management Pvt. Ltd.
Howrah Facility


Snehangshu Chakraborty
Deputy General Manager



Medicare Environmental Management Pvt. Ltd.

Howrah Facility

MINUTES OF THE MEETINGS

BMW COMMITTEE:

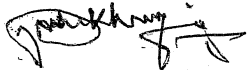
DATE: 15.11.21

- Mr. Pintu Mukherjee
- Mr. Vijay Kumar Singh
- Mr. Subhasis Jana
- Mr. Debabrata Biswas
- Mr. Suraj Kr. Shaw

The following issues were discussed:

Sl. No.	Issues Discussed	Review	Responsibility
01	Implementation and Monitoring of GPS based collection system	Implemented. Monitoring of the same to be continued	Mr. Subhasis Jana
02	Implementation and Monitoring of Barcoding based collection system	Implemented. Monitoring of the same to be continued	Mr. Subhasis Jana
03	To ensure proper washing and disinfection of vehicle after unloading of BMW at plant	Regular basis	Mr. Subhasis Jana
04	To ensure proper and safe handling of BMM at site	Needs monitoring	Mr. Vijay Kumar Singh
05	To ensure complete incineration of BMW on daily basis	Done	Mr. Vijay Kumar Singh
06	To ensure proper collection of waste within 48 hours	Done	Mr. S Jana and Mr. P. Mukherjee
07	To ensure proper disinfection and autoclaving of Autoclavable waste collected on daily basis	Done	Mr. Vijay Kumar Singh
08	To ensure cleaning and disinfection of floor of main shed and Autoclave shed after daily operation	Regular basis done	Mr. Vijay Kumar Singh
09	To ensure Occupational Health & Safety to every employee on schedule basis	Done	Mr. Suraj Kr. Shaw & P. Mukherjee
10	To ensure supply of yellow, red, PPC and BMB as per BMW Rules 2016.	Done	Mr. Debabrata Biswas
11	To ensure awareness program and annual checkup done on regular basis	Done	Mr. Suraj kr. Shaw
12	To ensure proper and safe handling of COVID waste	Done. Needs monitoring on regular basis	Mr. Vijay Kumar Singh & Mr. P. Mukherjee
13	To ensure wearing of proper PPE for all employee engaged in COVID waste	Monitoring being done	Mr. V.K.Singh & Mr. P.Mukherjee

	handling		
14	To ensure collection of COVID waste regularly on priority from all COVID HCE	Maintained	Mr. S. Jana
15	To ensure sanitization of COVID waste with 1 - 2% Sodium Hypochlorite and proper treatment.	Done	Mr.V. K. Singh
16	To ensure proper washing and disinfection of vehicle after unloading of COVID waste at plant	Done	Mr. S. Jana



P.Mukherjee



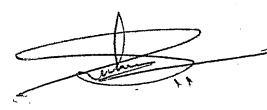
V.K.Singh



S.Jana



D.Biswas



S.K.Shaw