

Dr. Rajesh Kumar, IPS
Member Secretary



West Bengal Pollution Control Board
(Department of Environment,
Government of West Bengal)

Memo No. 25 /1S-74/2001(Pt-VIII)

Date 20.07.2022

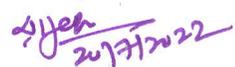
To
The Member Secretary
Central Pollution Control Board,
Paribesh Bhawan
East Arjun Nagar,
Delhi - 110 032

Subject: Annual Report on Bio-Medical waste management for the year 2021

Sir,

Enclosed please find herewith the Annual Report on the status of the implementation of Bio-Medical Waste Management Rules in the State of West Bengal for the year 2021 as per prescribed format given in the Rules.

Yours faithfully,


Member Secretary

Encl.: As stated above.

Form IVA

[See rule 13(2)]

Format for Submission of the Annual Report Information on Bio-medical Waste Management (to be submitted by the State Pollution Control Boards or Pollution Control Committees and Director General Armed Forces Medical Services to Central Pollution Control Board on or before 31st July of every year for the period from January to December of the preceding calendar year)

Part-1 (Summary of Information)

(1) Name of the Organization: West Bengal Pollution Control Board

(2) Name of the Nodal Officer with contact telephone number and e-mail: Sri Swarup Kumar Mandal, Sr. Env. Engineer, Bio-medical Waste Management Cell. 6290039008, email- see4.wbpcb-wb@bangla.gov.in

(3) Total no. of Health Care Facilities / Occupiers: 9171

(i) Bedded Hospitals and Nursing Homes (bedded) :	2892
(ii) Clinics, dispensaries:	Total non-bedded units: 6279
(iii) Veterinary institutions:	
(iv) Animal houses:	
(v) Pathological laboratories:	
(vi) Blood banks:	
(vii) Clinical establishment:	
(viii) Research Institutions:	
(ix) AYUSH	

(4) Total no. of beds: 133415

(5) Status of authorization till 31/12/2021:

(i) Total number of Occupiers applied for authorization: 9171

(ii) Total number of Occupiers granted authorization: 9171

(iii) Total number of application under consideration: Nil

(iv) Total number of applications rejected: **Nil**

(v) Total number of Occupiers in operation without applying for authorization: **Nil**

(6) Quantity of Bio-medical Waste Generation (in kg/day): 42286.861

(Please enclose District Wise Bio-medical Waste Generation as per Part-2)-Refer to Annexure-1

(i) Bio-medical waste generation by bedded hospitals (in kg/day): **35258.043**

(ii) Bio-medical waste generation by non-bedded hospitals (in kg/day): **7028.818**

(iii) Any other: **Nil**

(7) Bio-medical waste treatment and disposal

(a) By Captive bio-medical waste treatment and disposal by Health Care Facilities (please enclose details as per Part-3): **Nil**

(i) Number of Health Care Facilities having captive treatment and Disposal facilities: **Nil**

(ii) Total bio-medical waste treated and disposed by captive treatment facilities in kg/day: **Nil**

(b) Bio-medical waste treatment and disposal by Common Bio Medical Waste Treatment Facilities (please enclose details as per Part 4): **details given in Annexure-2**

(i) Number of Common Bio Medical Waste Treatment Facilities in Operation : **06**

(ii) Number of Common Bio Medical Waste Treatment Facilities under construction: **07**

(iii) Total bio-medical waste treated in kg/day: **42286.861**

(iv) Total treated bio-medical waste disposed through authorized recyclers (in Kg/day): **3132.45**

(8) Total no. of violation by:

(i) Health Care Facilities (bedded and non-bedded): **145**

(ii) Common Bio Medical Waste Treatment Facilities: **03**

(iii) Others (please specify): **Nil**

(9) Show cause notices/directions issued to defaulters:

(i) Health Care Facilities (bedded and non-bedded): **145**

(ii) Common Bio Medical Waste Treatment Facilities: **01**

(iii) Others: **Nil**

(10) Any other relevant information:

- (i) Number of workshops / trainings conducted during the year: **1409**
- (ii) Number of occupiers installed liquid waste treatment facility: **793**
- (iii) Number of captive incinerators complying with the norms: **NA**
- (iv) Number of occupiers organized trainings: **748**
- (v) Number of occupiers constituted Bio-medical Waste Management Committees: **9171**
- (vi) Number of occupiers submitted Annual Report for the previous calendar year: **707**
- (vii) Number of occupiers practicing pre-treatment of lab microbiology and Bio-technology waste: **9171**
- (viii) Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems: **06**

Part 2: District-wise Bio-medical Waste Generation (for the previous calendar year 2021)-Refer to Annexure-1

S. No.	Name of the State / Union Territory	Name of the District	Bio-medical Waste Generation (in Kg/day)	Existing Total bio-medical waste treatment capacity (both captive and CBMWTF)in kg/day
			Equipment	Total
			Incinerator:	
			Autoclave:	
			Deep	
			Burial:	
			Any other:	

Part 3: Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2021)

S. No.	Name and address of the Health Care Facility	Quantity of Bio-medical Waste Generation (in kg/day)					Total Installed Treatment Capacity in kg/day				Total biomedical waste treated and disposed by Health Care Facilities in kg/day		
		Yellow	Red	Blue	White	Total Bio-medical waste generated (in kg/day)	Incinerator	Autoclave	Deep Burial	Any other			
		Nil										Incinerator	
		Nil										Autoclave	
		Nil										Deep Burial	
		Nil										Any other (Microwave)	
		Nil										Total	

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2021)-Refer to Annexure-2

S No.	Name and Address of the Common Bio Medical Waste Treatment Facilities with contact person name and telephone number	GPS Coordinates	Coverage Area in KMS	Name of the cities/ areas covered by Common Bio-Medical Waste Treatment Facilities	Total number of Health Care Facilities being covered	Total number of beds covered	Total Quantity of Bio-Medical Waste collected from member Health Care Facilities (in Kg/day)	Capacity of Treatment equipments installed by Common Bio Medical Waste Treatment Facilities			Total Bio-Medical waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics)
								Equipment	Numbers	Total installed capacity (kg/day)		
								Incinerator				Incineration Ash: Quantity: Disposed by:
								Plasma Pyrolysis				
								Autoclave				Plastics: Quantity: Disposed by:
								Hydroclave				
								Microwave				Quantity: Disposed by:
								Shredder				
								Sharps encapsulation or concrete pit				Quantity: Disposed by:
								Deep burial pits				
								Any other equipment				Quantity: Disposed by:
								Effluent Treatment Plant				
								Sub Total				

(a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities: **122**

(b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither have captive treatment facilities: **Nil**

(c) Number of trainings organized by the Common Bio-Medical Waste Treatment Facility operators: **605**

(d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities: **Nil**

Annexure-1

District wise HCF no. and biomedical waste treatment & disposal:

Sl. No.	Name of the State / Union Territory	Name of the District	No. of HCFs	Bio-medical Waste Treatment and disposal of BMW (in Kg/day)					Total (in Kg/day)
				Incineration	Autoclaving	Microwaving	Deep burial	Any other	
1.	West Bengal	Kolkata	1280	6284.491	3563.575				9848.066
2.		North 24 Parganas	975	3773.17	993.62				4766.79
3.		South 24 Parganas	829	2228.204	675.714				2903.918
4.		Hooghly	867	1743.75	435.93				2179.68
5.		Howrah	514	1931.681	477.349				2409.03
6.		Nadia	442	1396.48	349.10				1745.58
7.		Murshidabad	547	988.81	247.21				1236.02
8.		Purba Burdwan	527	3392.841	522.602				3915.443
9.		Paschim Burdwan	378	2399.45	390.76				2790.21
10.		Bankura	297	948.191	129.393				1077.584
11.		Birbhum	343	826.206	112.746				938.952
12.		Purulia	125	359.22	49.02				408.24

13.	Purba Medinipur	410	1319.07	5.52				1324.59
14.	Paschim Medinipur	252	1141.49	4.26				1145.75
15.	Jhargram	65	362.148	0.85				362.998
16.	Dakshin Dinajpur	88	136.71	91.14				227.85
17.	Darjeeling	348	1643.22	1095.45				2738.67
18.	Malda	274	383.35	255.56				638.91
19.	Jalpaiguri	118	212.05	141.36				353.41
20.	Coochbehar	175	337.14	224.76				561.90
21.	Alipurduar	121	210.56	140.37				350.93
22.	Uttar Dinajpur	180	175.81	117.21				293.02
23.	Kalimpong	16	41.59	27.73				69.32
Total		9171	32235.632	10051.229				42286.861

ANNEXURE-2

Information on Common Bio-medical Waste Treatment Facilities (CBWTFs) for the year 2021

Sl. No.	Name & Address of the CBWTF with contact person name & Telephone No.	GPS Coordinates	Coverage Area in KMS	Name of the cities/ areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total Quantity of Bio-medical Waste collected in Kgs/day	Capacity of Treatment equipment/Facilities installed at CBWTF			Total bio-medical waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics) in Kg/year
								Equip.	Nos.	Total installed capacity (kg/day)		
1.	Medicare Environmental Management Pvt. Ltd. F-Road, Belgachia, Howrah Ph.No.: 23231203 Contact Person Name : Mr. K. Datta Ph.No.: 9831337168	22.6077° N 88.3264° E	150	Part of Kolkata, Part of Howrah & Part of 24 Parganas (S)	2286	32171	10307.961	Incin.	2	No.1: 5000 Kg/day No.2: 5000 Kg/day	10307.961	Incineration ash and ETP sludge disposed of at CHWTSDF at Haldia. Quantity: 278210.00 Recyclable waste (plastic, glass) sold to authorized recyclers after treatment. Quantity: 513505.00
2.	Medicare Environmental Management Pvt. Ltd. K-26, Phase - III, Growth Centre, (Behind IOCL LPG Bottling Plant), Kalyani, Nadia Contact Person Name : Mr. K. Datta Ph.No.: 9831337168	22°57'27" N 88°27'17" E	150	Nadia, Murshidabad, Part of 24 Parganas (North) & Hooghly district	2735	31753	9177.44	Incin.	1	4800 Kg/day	9177.44*	Incineration ash and ETP sludge disposed of at CHWTSDF at Haldia. Quantity: 154390.00 Recyclable waste (plastic, glass) sold to authorized recyclers after treatment. Quantity: 99886.00
3.	Medicare Environmental Management Pvt. Ltd. Mouza: Mangapur, P.O.: Shergarh Pargana, P.S.: Rangani, Burdwan Contact Person Name : Mr. K. Datta Ph.No.: 9831337168	23.6246° N 87.1396° E	150	Part of Purba Bardhaman, Part of Paschim Bardhaman Bankura, Purulia & Birbhum	1630	14978	8505.00	Incin.	2	No-1: 5500 Kg/day No-2: 5500 kg/day	8505.00	Incineration ash and ETP sludge disposed of at CHWTSDF at Haldia. Quantity: 324130.00 Recyclable waste (plastic, glass) sold to authorized recyclers after treatment. Quantity: 365095.55
4.	West Bengal Waste Management Ltd. Purba Srikrishnapur, P.O.: Haldia, East Medinipur Ph. No.: 03224 278238 Contact Person Name : Mr. S. Chakraborty Ph.No.: 9831962869	22.1063° N 88.1348° E	150	Purba Medinipur & Paschim Medinipur, Jhargram	727	13575	2833.33	Incin.	1	36000 Kg/day #	2833.33	Incineration ash disposed of at CHWTSDF at Haldia. Quantity: 83610.00 Recyclable waste (plastic, glass) sold to authorized recyclers after treatment. Quantity: 3190.00
5.	Green Zen Bio Pvt. Ltd. Mouza: Binaguri, P.O. Fulbari, PS. Bhaktinagar, Dist. Jalpaiguri, PIN - 734015 Contact Person Name : Mr. R. K. Barman Ph.No.: 9903391118	26.6523° N 88.4173° E	150	Darjeeling, Jalpaiguri, Cooch Behar, Malda, South Dinapur, North Dinapur, Alipurduar & Kaimpong	1320	21201	5234.01	Incin.	1	3600 Kg/day	5234.01	Incineration ash disposed of at CHWTSDF at Haldia. Quantity: 191402.00 Recyclable waste (plastic, glass) sold to authorized recyclers after treatment. Quantity: 128674.00
6.	Greenlech Environ Management Pvt. Ltd. Dhamua Road, P.S.-Mograhat, P.O.-Chakparan Kantakhal, Dist-24 Pps (S), Pin-743503 Contact Person Name : Mr. R. K. Barman Ph.No.: 9903391118	22.3089° N 88.3366° E	150	Part of Kolkata, Part of 24 Parganas (S), Part of 24 Parganas (North), Part of Howrah, Part of Purba Bardhaman & Part of Paschim Bardhaman	473	19737	6229.12	Incin.	1	6000 Kg/day	6229.12	Incineration ash disposed off at CHWTSDF at Haldia. Quantity: 79460.00 Recyclable waste (plastic, glass) sold to authorized recyclers after treatment. Quantity: 35000.00
TOTAL					9171	133415	42286.861	TOTAL			42286.861	

* Additional quantity Bio-medical Wastes @16214.166Kg per month/1945070Kg in the year 2021 sent to West Bengal Waste Management Ltd., Haldia, Dist. Purba Medinipur for treatment.

This incinerator is common with the Hazardous waste incinerator of the Common Treatment, Storage & Disposal (TSDF) for Hazardous Waste of M/s West Bengal Waste Management Ltd. located within the same premises at Haldia, Dist Purba Medinipur.