

I/170358/2023

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
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To

The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032.

Subject: Submission of Annual Report under Bio Medical Waste management Rules, for the year 2022-2023.

Kindly refer to the subject noted above.

In this connection, I have been directed to enclose herewith the Annual Report for the year 2022-2023 under the Bio Medical Waste Management Rules, 2016 for information and further necessary action please.

DA/as above

Sr. Env. Engineer (HQ)
For Member Secretary

Endst.

A copy of the above is forwarded to the following for information:

1. Sr. Environmental Engineer (IT) HSPCB for uploading the Annual Report on the website of the Board.
2. Nodal Officer, E-Sanyojan, HSPCB for uploading on the E-Sanyojan Portal of CPCB.

DA/as above

Digitally Signed by
Satinder Pal
Date: 03-08-2023 12:26:51
Reason: Approved

Sr. Env. Engineer (HQ)
For Member Secretary

Form IV A
[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 Board or pollution Control Committees and Director General Armed Force 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.

Sr. no.	Particulars	Total
1.	Name of Organization	Haryana State Pollution Control Board, C-11, Sector-6, Panchkula.
2.	Name of the Nodal Officer with contact/telephone number & e-mail	Sh. Satinder Pal, Sr. Environmental Engineer (HQ) Phone no. _____ E-mail : hspcb-solidwaste@gmail.com
3.	Total No. of Health Care Facilities/ Occupiers	7107
I.	Bedded Hospital & Nursing Home (bedded)	3527
II.	Clinics, Dispensaries	2398
III.	Veterinary institutions	79
IV.	Animal Houses	22
V.	Pathology Laboratories	1027
VI.	Blood Banks	29
VII.	Clinical Establishment	3
VIII.	Research institutions	18
IX.	AYUSH	4
4.	Total No. of Beds	67332
5.	Status of Authorization	
I.	Total No. of Occupiers applied for Authorization	6938
II.	Total No. of Occupiers Granted Authorization	6780
III.	Total No. of application under consideration	17
IV.	Total No. of application rejected	141
V.	Total No. of Occupiers in operation without applying for authorization	169
6.	Quantity of generation Bio Medical Waste Generation (in Kg/day) (Please enclosed District wise Bio-Medical Waste Generation as per Part-2)	20590
I.	Bio-medical waste generation by bedded hospital (in kg/day)	15592
II.	Bio-medical waste generation by non bedded hospital (in kg/day)	4998.3
III.	Any other	0
7.	Bio-medical waste treatment & disposal	
a.	By Captive Bio-medical waste treatment & disposal by Healthcare Facilities (please enclosed detail as per Part - 3)	
i.	Number of Healthcare Facilities has captive treatment & disposal facilities -	0
ii.	Total Bio-medical waste treated and disposed by captive treatment facility in kg/day	0
b.	Bio-medical waste treatment & disposal by Common Bio Medical Waste Treatment Facility (please enclosed detail as per Part - 4)	
i.	Number of Common Bio Medical Waste Treatment Facility in operation	11
ii.	Number of Common Bio Medical Waste Treatment Facility under construction	0
iii.	Total Bio-medical waste treated in kg/day	20590

Sr. no.	Particulars	Total
iv.	Total Bio-medical waste disposed through authorized recycler (in kg/day)	10095
8.	Total number of violation by	
i.	Healthcare Facilities (bedded and non bedded)	169 (HCF operational without authorization)
ii.	Common Bio Medical Waste Treatment Facilities	0
iii.	Other (please specify)	0
9.	Show Cause Notice/ direction issued to defaulter	169 (HCF operational without authorization therefore SCN issued under BMW Rules)
i.	Common Bio Medical Waste Treatment Facilities	0
ii.	Other	0
10.	Any other relevant information	
i.	Number of workshop/ trainings conducted during the year	94
ii.	Number of occupiers installed liquid waste treatment facility	290 (Remaining 3237 HCFs are connected with terminal treatment facility and discharging into public sewer)
iii.	Number of captive incinerators complying to the norms -	0
iv.	Number of occupiers organized trainings	320
v.	Number of occupiers constituted bio-medical waste management committees	415
vi.	Number of occupiers submitted Annual Report for the previous calendar year	4826
Vii.	Number of occupiers practicing pretreatment of lab micro biology and bio technology waste	1092
viii.	Number of Common Bio Medical Waste Treatment Facility that have installed continuous Online Emission Monitoring System	11

Part 2: District wise Bio-medical Waste Generation (for the previous calendar year 2022)

Sr. No.	Name of the State/ Union Territory	Region	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
1.	Haryana	Hisar	Hisar	1848.48	Equipment	Total
					Incinerator:	3300
					Autoclave:	6600
					Deep Burial:	-
					Any other	-
					Shedder:	11000
			Fatehabad	169.04	Equipment	Total
					Incinerator:	2400
					Autoclave:	4800
					Deep Burial:	
					Any other	
					Shedder:	1200
			Kaithal	213.52	No CBWTF in Kaithal region M/s Invision Enviro Service at Sirsa providing the treatment and disposal facility at Fatehabad and Kaithal.	
Sirsa	510	Equipment	Total			
		Incinerator:	2400			
		Autoclave:	4800			
		Deep Burial:	-			
		Any other	-			
		Shedder:	1200			
2.		Gurugram (S)	Gurugram (S)	642	Equipment	Total
					Incinerator:	10000
					Autoclave:	10000
					Deep Burial:	-
					Any other	-
					Shedder:	12000
		Dharuhera	Rewari	235	No CBWTF in Rewari region. M/s Biotic at Gurugram (S) providing the treatment and disposal facility.	

		Gurugram (N)	Gurugram (N)	6157	No CBWTF in Gurugram (N) region. M/s Biotic at Gurugram (S) providing the treatment and disposal facility.	
3.		Bahadurgarh	Rohtak	1649.522	Equipment	Total
						Incinerator:
					Autoclave:	1000
					Deep	0
					Burial:	0
					Shredder	1000
					Any Other	ETP-1 (2.5 KLD)
			Jhajjar	450.23	No CBWTF in Jhajjar District. M/s S.D Bio Medical Waste at Rohtak providing the treatment and disposal facility.	
4.		Panipat	Panipat	749.49	No CBWTF in Panipat region. M/s Haat Supreme at Karnal providing the treatment and disposal facility	
		Karnal	Karnal	479.039	Equipment	Total
					Incinerator:	1680
					Autoclave:	600
					Deep Burial:	
					Shedder:	1200
					Any other	ETP 600 Lt/hr
5.		Kaithal	Jind	238	Equipment	Total
					Incinerator:	2400
					Autoclave:	720
					Deep Burial:	0
					Shredder	2400
		Sonepat	Sonepat	635	No CBWTF in Sonepat region. M/s Divya Waste management, Jind providing the treatment and disposal facility	
6.		Bhiwani	Bhiwani	290	Equipment	Total
						Incinerator:
					Autoclave:	720
					Shredder:	2400
			Charkhi Dadri	230	No CBWTF in Ch. Dadri region. M/s Maruti bio medical waste at Bhiwan providing the treatment and disposal facility.	

		Dharuhera	Mahendergarh	212	No CBWTF in Mahendergarh region. M/s Maruti bio medical waste at Bhiwani providing the treatment and disposal facility.	
7.		Panchkula	Panchkula	1750.4	Equipment	Total
					Incinerator:	3600
					Autoclave:	300
					Shredder	6000
					ETP	4 KLD
		Yamuna Nagar	Yamuna Nagar	386.7	No CBWTF in Yamuna Nagar region, M/s Ess Kay Hygienic Services existing at Panchkula region providing the treatment and disposal facility.	
8.		Ambala	Ambala	800	Equipment	Total
					Incinerator:	3000
					Autoclave:	1200
					Deep Burial:	--
					Any other (Shredder)	5 KLD
		Kurukshetra	Kurukshetra	733	No CBWTF in Kurukshetra region. M/s Rudraksh Enviro Care (P) Ltd., VPO Bhadog, Tehsil, Naraingarh, at Ambala providing the treatment and disposal facility.	
9.		Faridabad	Faridabad	1072	Equipment	Total
					Incinerator:	1800
					Autoclave:	1800
					Shredder:	1800
					Any other	ETP 3KLD
				Ballabgarh	Faridabad	432
		Palwal	Palwal	362	No CBWTF in Palwal region. M/s Golden Eagle waste management at Faridabad providing the treatment and disposal facility.	
		Nuh	Nuh	346	No CBWTF in Palwal region. M/s Golden Eagle waste management at Faridabad providing the treatment and disposal facility.	

Part 4: Information on Common Bio-medical Waste Treatment & Disposal Facilities (for the previous Year 2022)

S. No.	Name & Address of the CBMWTF with contact person name and 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 BMW collected from member HCFs (in Kg/day)	Capacity of Treatment equipments installed by CBWTFs			Total bio-medical waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics)	
								Equipment	Nos.	Total installed capacity (kg/day)			
1.	Synergy Waste Management Pvt. Ltd., 168, Sec-27-28, HUDA Ind. Area, Hisar	29.067"N, 75.841"E	75 KM	District Hisar	490	6353	1848.48	Incinerator	1	3300 (working 22 hr/day)	1848.48	Incineration Ash: Quantity: 43 Kg/day Disposed by: GEPIL	
								Plasma Pyrolysis	-	-			Sharps: Quantity: 245.19 Kg/day Disposed by: The method of making concrete block for encapsulations
								Autoclave	1	6600			
								Hydroclave	-	-			
								Microwave	-	-		Plastics: Quantity: 498.3 Kg/day Disposed by: Master Products India, Delhi	
								Shredder	1	11000			
								Sharps encapsulation or concrete pit	1	10			
								Deep burial pits	-	-		ETP Sludge: Quantity: 2.14 Kg/day	
								Any other equipment	0	Needle destroy			

S. No.	Name & Address of the CBMWTF with contact person name and 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 BMW collected from member HCFs (in Kg/day)	Capacity of Treatment equipments installed by CBWTFs			Total bio-medical waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
												Disposed by: GEPIL
								Effluent Treatment KLD	1	15 KLD		
								Sub-total	5			
2.	Invision Enviro Services, Vill. Phulkan, Distt. Sirsa	29.51032, 75.1268480	75 KM approx	District Fatehabad & Kaithal	458	3218	382.56	Incinerator	1	2400 (working 16 hr/day)	382.56	Incineration Ash: Quantity: 3.5 Kg/day Disposed by: GEPIL
								Plasma Pyrolysis	-	-		
								Autoclave	1	4800		Sharps: Quantity: 11.55 Kg/day Disposed by: The method of making concrete block for encapsulations
								Hydroclave	-	-		
								Microwave	-	-		Plastics: Quantity: 51.4 Kg/day Disposed by: Master Products India, Delhi.
								Shredder	1	1200		
								Sharps encapsulation or concrete pit	1	Concrete Pit		
								Deep burial	-	-		ETP Sludge:

S. No.	Name & Address of the CBMWTF with contact person name and 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 BMW collected from member HCFs (in Kg/day)	Capacity of Treatment equipments installed by CBWTFs			Total bio-medical waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
								pits				Quantity: 0.4 Kg/day Disposed by: GEPIL
								Any other equipment	-	-		
								Effluent Treatment Plant KLD	1	5 KLD		
								Sub-total	5			
3	Surya Waste Management, Sahuwala Road, Vill. Chadiwal, Distt. Sirsa	29.067, 75.841	90-100 Km approx	Fatehabad & Sirsa	388	3432	510	Incinerator	1	2400 (working 16 hr/day)	510	Incineration Ash: Quantity: 11.7 kg/day Disposed by: GEPIL
								Plasma Pyrolysis	-	-		
								Autoclave	1	4800		Sharps: Quantity: 2 Kg/day Disposed by: The method of making concrete block for encapsulations
								Hydroclave	-	-		

S. No.	Name & Address of the CBMWTF with contact person name and 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 BMW collected from member HCFs (in Kg/day)	Capacity of Treatment equipments installed by CBWTFs			Total bio-medical waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
								Microwave	-	-		Plastics: Quantity: 152.8 kg/day Disposed by: Sita Ram Plastic, Delhi.
								Shredder	1	1200		
								Sharps encapsulation or concrete pit	1	Concrete Pit		
								Deep burial pits	-	-		ETP Sludge: Quantity: 1.25 kg/day Disposed by: GEPIL
								Any other equipment	-	-		
								Effluent Treatment Plant KLD	1	5 KLD		
								Sub-total	5			

4	Biotic Waste Management Pvt. Ltd. Damdama Road Bhondsi, Manesar, Gurugram (S) Kuldeep Singh Panwar 9818586688	28.4334°N 76.9923°N	80 Km	Rewari & Gurugram	1535	10068	7034	Incinerator	1	10000 (working 20 hr/day)	7034	Incineration Ash. Quantity: 91030 kg/Annum Disposed By: GEPIL TSDf
								Plasma Pyrolysis	0	0		
								Autoclave	2	10000		Sharp Quantity: 175225 kg/Annum Disposed By: Goyal, Glassware, Firozabad
								Hydroclave	0	0		
								Microwave	0	0		Plastic Quantity 865494 kg/ Annum Disposed By. Delhi Scrap Management
								Shredder	2	12000		
								Sharps encapsulation or concrete pit	0	0		
								Deep burial pits	0	0		ETP Sludge Quantity: 118.80 kg/ Annum Disposed By: GEPIL TSDf
								Any other equipment	0	0		
								Effluent Treatment Plant KLD	0	15 KLD		
Sub-total	5	0										

5	M/s S.D Bio Medical Waste Management Co. Vill-Baland, Distt. Rohtak	Latitude-28.38095134 Longitude-76.5779272	75	Distt. Jhajjar & Rohtak	590	6590	2099.75	Equipment	Numbers	Total installed capacity (kg/day)		
								Incinerator	1	2400 (working 16 hr/day)	2099.75	Incineration Ash: Landfill Quantity:58.60 kg/day Disposed By-GEPIL
							Plasma Paralysis	0	0			
							Autoclave	1	1000			Sharps : For encapsulation Quantity : 3.67 Kg/day Disposed By- CBWTF
							Hydroclave	0	0			
							Microwave	0	0			Plastics: For recycling Quantity: 331.65 kg/day Disposed By Authorized recycler
							Shredder	1	1000			
							Sharps encapsulation or concrete pit	1	5			
							Deep burial pits	0	0			ETP Sludge: For landfill Quantity: 2 kg/day Disposed by: GEPIL
							Any Other equipment	0	0			

								Effluent Treatment plant	1	2.5 KLD		
								Sub-total	5	-		
6	M/s Haat Supreme Wastech (P) Ltd., Vill. Bazida Jattan, Near Railway Crossing, Karnal, 9992715000, 9992600126	29.635912 76.957823	60 K.M redious	Karnal & Panipat	626	7277	1228.52	Equipment	Number	Total installed capacity - kg/day		
								Incinerator	1	1680 (working 16 hr/day)	1228.52	Incineration Ash: Quantity: 3010 Kg/Annum Disposed by: GEPIL
								Plasma Pyrolysis	0	0		
								Autoclave	1	600		Sharps: Quantity: 33811 Kg/ Annum Disposed by: Authorized Vendor And Disposed Off In Sharp Pit
								Hydroclave	0	0		
								Microwave	0	0		
								Shredder	1	1200		Plastics: Quantity: 51955 Kg/ Annum Disposed by: Authorized Vendor
								Sharps encapsulation or concrete	0	0		0

								pit				
								Deep burial pits	0	0		ETP Sludge: Quantity: 243.3 Kg/ Annum Disposed by: GEPIL
								Any other equipment	0	0		0
								Effluent Treatment Plant	1	3.5 KLD		
7	Divya Waste Management Co., VPO Kandela, District Jind, Sh. Ishwar Gulia, Mob No. 94165-28174	GPS Co-ordinates = 29.1233 76.4167	130 KM	Sonipat, Jind	662	4350	873	Equipment	Numbers	Total installed capacity (kg/day)	Total bio-medical waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics)
								Incinerator	1	2400 (working 16 hr/day)	873	Incineration Ash: Quantity: 8 kg/day Disposed by: GEPIL
								Plasma Paralysis				
								Autoclave	1	720		Sharps: Quantity: 1 kg/day Disposed by: M/S R.S. ENTERPRISES U.P.
								Hydroclave				
								Microwave	-	-		Plastics: Quantity: 29 kg/day Disposed by: M/S R.S. ENTERPRISES U.P.
								Shredder	1	2400		
								Sharps encapsulation or		0		

								concrete pit				
								Any Other equipment				
								Effluent Treatment plant	01	4.5 KLD		
8	Maruti Bio Medical Waste, Village Hetampura, Bhiwani, Sh. KanshiRam, Mob No. 98126-79722	NA	1899 Km ²	Mohinder garh, Ch. Dadri & Bhiwani	403	5161	732	Equipment	Numbers	Total installed capacity (kg/day)	732	Incinerator Ash= 7 Kg/day Through GEPIL Faridabad,
								Incinerator	01	2400 (working 16 hr/day)		Autoclave = 28 Kg/day Through Salasar Udyog, I.A., Bhiwani
								Plasma Paralysis	0	0		
								Autoclave	1	720		
								Hydroclave	0	0		
								Microwave	0	0		Sharps encapsulation or concrete pit = Through R.S. Product, Khanak, Bhiwani
								Shredder	1	2400		ETP = 3 Kg/day Disposed by GEPIL
								Sharps encapsulation or concrete pit	1	5		
								Deep burial pits	0	0		
								Any Other equipment	0	0		
								Effluent Treatment plant	1	5 KLD		

9	M/s Ess Kay Hygienic Services, VPO Bagwala, Tehsil Barwala, Distt. Panchkula Mr. P.A. Samuel Contact No. 09671155525	YES	70 K.M redious	Yamuna Nagar Panchkula	573	4290	2137.1	Equipment	Numbers	Total installed capacity (kg/day)	2137.1	
								Incinerator	1	3000(working 20 hr/day)		Incineration Ash: Quantity: 12815 Kg/Annum Disposed by: GEPIL
								Plasma Paralysis	0	0		0
								Autoclave	1	300		Sharps: Quantity: 9599.5 Kg/ Annum Disposed by: Deep burial pit.
								Hydroclave	0	0		0
								Microwave	0	0		Plastics: Quantity: 204473 Kg/ Annum Disposed by: send to vendor register recycler
								Shredder	1	6000		0
								Sharps encapsulation or concrete pit	1	26		0
								Deep burial pits	Nil			ETP Sludge: Quantity: 1820kg/ Annum Disposed by: GEPIL
								Any Other equipment	0	0		0
Effluent Treatment	1	4 KLD										

								plant					
10	M/s Rudraksh Enviro Care (P) Ltd., VPO Bhadog, Tehsil Naraingarh, Ambala Puneet Chawla , 9416095766	Yes N30*24'10.296'' E76*55'39.02''	60 KM	Ambala & Kurukshetra	380	5830	1533	Equipment	Numbers	Total installed capacity (kg/day)			
								Incinerator	01	150 kg/Hr (3000 Kg/Day for 20 operational Hours)	1533	Incineration ash):2185 Kg/day Quantity Disposed by : GEPIL	
								Plasma Paralysis	0	0		Dispose off by: Deep Burial pit Quantity Disposed by	
								Autoclave	01	1200			
								Hydroclave	0	0			
								Microwave	0	0			
								Shredder	01	250 kg/hr (5000 Kg/Day for 20 operational Hours)		Plastics: Quantity: Disposed by: Send to vendor Register Recycler	
								Sharps encapsulation or concrete pit	01 concrete pits	8 Cubic feet			
								Deep burial pits	0	0		ETP sludge Quantity : 77.08 Kg/Month Disposed by GEPIL	
								Any Other equipment	0	0			
								Effluent	1	5 KLD			

								Treatment plant					
11	M/s Golden Eagle Waste Management, Faridabad Raman kumar, 0129-4009871	Longitude – 28.25'48.00 Latitude – 77.19'12.00	65 Kms	Faridabad Ballabgarh palwal and mewat	1002	10763	2212	Equipment	Numbers	Total installed capacity Kg/day			
								Incinerator	1	1800 (working 18 hr/day)	2212	Incineration Ash: Quantity: 80 Kg/day Disposed By - TSDF	
								Plasma Paralysis	NA	NA			
								Autoclave	1	1800			Sharps : sharp pit Quantity :80 Kg/day Disposed By : sharp pit
								Hydroclave	NA	NA			
								Microwave	NA	NA			Plastics: Plastic/Red/Blue Quantity :800 Kg/day Disposed By: Sent to Auth. Recycler
								Shredder	1	1800			
								Sharps encapsulation or concrete pit	1	8' * 8'			
								Deep burial pits	NA	NA			ETP Sludge: Quantity: 2 Kg/day Disposed by: GEPIL (TSDF)
								Any Other equipment	NA	NA			
								Effluent Treatment plant	1	3 KLD			
								Sub Total	5	NA			

Sr. no.	Particulars	Total
1.	Total No. of transportation vehicles used for collection of Bio-medical Waste on daily basis by the CBMWTF	92
2.	List of HCFs not having membership with the CBWTFs & neither having captive treatment facilities	0
3.	No. of trainings organized by the CBMWTF operators	116
4.	No. of Accidents reported by the CBMWTF	0