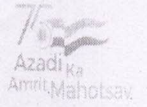




Himachal Pradesh State Pollution Control Board

Him Parivesh, Phase-III, New Shimla-9

Ph. No. 0177-2673766, 2673276 Fax No. 2673018



No. HPSPCB/ BMW (10)/ Annual Report (CPCB)/- 4905

Dated:- 31.7.2024

To

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


Subject: Annual Report Information on Biomedical Waste Management for the year 2023 reg.

Sir,

As per provision of Rule -13 of the Biomedical Waste Management Rules, 2016, and amendments thereafter, please find enclosed herewith the Annual Report of the State of Himachal Pradesh for the year 2023 on the prescribed Form-IV A for further necessary action please.

Thanking You

Yours sincerely


Anil Joshi, IFS
Member Secretary
sn

Form IVA
[See rule 13(2)]

State: Himachal Pradesh
Year: 2023

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-I (Summary of Information)

1	Name of the Organisation	Himachal Pradesh State Pollution Control Board
2	Name of the Nodal Officer with Contact telephone number and e-mail	Dr. Manoj Chauhan, Chief Scientific Officer, 01772673276, pcbssoho@gmail.com
3	Total No. of Health Care Facilities/Occupiers	9756
(i)	Bedded Hospitals and Nursing Homes (Bedded)	652
(ii)	Clinics, Dispensaries	3485
(iii)	Veterinary institutions	3501
(iv)	Animal houses	0
(v)	Pathological Laboratories	231
(vi)	Blood banks	1
(vii)	Clinical establishments	498
(viii)	Research Institutions	1
(ix)	AYUSH	1242
	Industrial Units	145
4	Total No. of beds	19615
5	Status of Authorization	
(i)	Total No. of Occupiers applied for authorization	9602
(ii)	Total No. of Occupiers granted authorization	9383
(iii)	Total No. of Applications under consideration	113
(iv)	Total No. of Applications rejected	106
(v)	Total No. of Occupiers in operation without applying for authorization	154
6	Quantity of Bio-medical Waste Generation (in Kg/Day)	4092.44
	(please enclose District wise Bio-medical Waste Generation as per Part-2)	Attached at Annexure-I

(i)	Bio-medical waste generation by bedded hospitals (in Kg/Day)	2785.69
(ii)	Bio-medical waste generation by non-bedded hospitals (in Kg/Day)	1306.75
(iii)	Any other: Total (Kg/Day)	
7	Bio-medical Waste Treatment and Disposal	
(a)	By Captive bio-medical waste treatment and disposal by Health Care Facilities (please enclose detail as per Part-3)	
(i)	Number of Health Care Facilities having captive treatment and disposal facilities	4454
(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in Kg/Day	123.47
	Total bio-medical waste treated and disposed by recyclers in Kg/Day (at HCF Level)	39.91
(b)	Bio-medical Waste Treatment and Disposal by Common Bio-medical Waste Treatment Facilities (please enclose detail as per Part 4)	
(i)	Number of Common Bio Medical Waste Treatment Facilities in Operation :	4
(ii)	Number of Common Bio Medical Waste Treatment Facilities under construction :	0
(iii)	Total bio-medical waste treated in Kg/Day	3968.96
(iv)	Total bio-medical waste disposed through authorized recyclers (in Kg/Day) (at CBWTF level)	
8	Total no. of violation by :	16
(i)	Health Care Facilities (bedded and non-bedded) :	14
(ii)	Common Bio Medical Waste Treatment Facilities :	2
(iii)	Others (please specify) :	
9	Show cause notices/directions issued to defaulters :	16
(i)	Health Care Facilities (bedded and non-bedded) :	14
(ii)	Common Bio Medical Waste Treatment Facilities :	2
(iii)	Others :	
10	Any other relevant information:	
(i)	Number of workshops / trainings conducted during the year :	119
(ii)	Number of occupiers installed liquid waste treatment facility :	9383
(iii)	Number of captive incinerators complying to the norms :	
(iv)	Number of occupiers organised trainings :	5806

(v)	Number of occupiers constituted Bio-medical Waste Management Committees :	2819
(vi)	Number of occupiers submitted Annual Report for the previous calendar year :	9756
(vii)	Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste :	9383
(viii)	Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems :	4

Part 2: District-wise Bio-medical Waste Generation (for the previous calendar year 2020)

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
1	Himachal Pradesh	Bilaspur	187.17	Equipment	Total
		Chamba	173.08	Incinerator:	5
		Hamirpur	169.17	Autoclave:	5
		Kinnaur	7.60	Deep Burial:	4453
		Kangra	722.99		
		Kullu	150.8		
		Mandi	371.61		
		Shimla	755.52		
		Sirmour	365.14		
		Solan	942.23	Sharp Pit:	4453
		Una	239.37		
		L&S	7.76		
		Total	4092.44	Any other:	0

Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2023)

S. No.	Name and address of the Health Care Facility	Quantity of Bio-medical Waste Generation (in Kg/Day)					Total biomedical waste generated (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	Incinerator:		Autoclave:	Deep Burial:	Any other:	Incinerator:	0.93	
1	List Enclosed at Annexure-I	23.99	39.91	51.03	8.54	123.47	1		4453		Autoclave:		
											Disinfection	39.91	
											Deep Burial:	23.68	
											Sharp Pit	58.950	
											Any other:	Yellow	Nil
												Red	Nil
												Blue	Nil
												White	Nil
												Total	Nil
											Total	123.47	

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2023)

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 BioMedical 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 Equipment			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)		
1	Enviro Engineers Shimla			Shimla Solan Sirmour Also Jan to Oct. 2023 from Bilaspur Mandi Kullu	1584	6331	2493.376	Incinerator	1	100kg/hr	1364.37 (yellow)	Incineration Ash: Quantity: 64.835MT Disposed through: M/s SSWM Ltd. Nalagarh
								Plasma Pyrolysis				
								Autoclave	1	100 Kgs	1129.00 (Red + Blue+White)	Plastics: Quantity: 293.235 MT Disposed Through: M/s Santusthi Industries
								Hydroclave				

								Microwave					Sharps: Quantity: 117.116MT Disposed Through: M/s Santusthi Industries & M/s Shivalik Industries
								Shredder	1	100Kgs	772.08	Red	
								Sharps encapsulation or concrete pit	1		30.039	(White)	--
								Deep burial pits					ETP Sludge: Quantity: 19.775 MT
								Any other equipment					Disposed by: M/s SSWM Ltd. Nalagarh
								Effluent Treatment Plant	1	10KLD			
								Sub-total					

Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities: 12

- (a) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities: Nil
- (b) Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators: 10
- (c) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities: Nil

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2023)

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 equipment's installed by Common Bio Medical Waste Treatment Facilities Equipment			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)		
2	M/s Suraksha Biosanitizers, Village Dhugiari, PO Gaggal, tehsil & District Kangra	--	320	Kangra, Chamba, & Hamirpur	2699	5949	1057.26	Incinerator	1	50 Kg/Hr	378.14.0 (yellow)	Incineration Ash: Quantity: 53.527 MT Disposed Through: M/s SSWM Ltd. Nalagarh
								Plasma Pyrolysis	0	0	0	
								Autoclave	1	50 Kg/Hr	679.12 Red+Blue+ White	Sharps: Quantity: 70.795 MT Disposed Through: M/s Sheetal Bottle Glass Works and Sunrise Glass Works
								Hydroclave	0	0	0	

								Microwave	0	0	0	Plastics: Quantity: 180.932 MT Disposed Through: M/s Excellent Waste Management	
								Shredder	1	40 Kg/Hr	186.74 (Red)		
								Sharps encapsulation or concrete pit	1	0	7.56 (White)	0	
								Deep burial pits	0	0	0	ETP Sludge: Quantity:18.9 MT Disposed Through: M/s SSWM Ltd. Nalagarh	
								Any other equipment	0	0	0		
								Effluent Treatment Plant	1	10 KLD	0		
								Sub-total	0	0	0	0	

- (a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities: 9
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities: Nil
- (c) Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators: 7
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities: Nil

Part :4 Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2023)

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 equipment's installed by Common Bio Medical Waste Treatment Facilities Equipment			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)		
3	M/s CBWTF Pandoga Una	--	45	Una	364	1103	230.71	Incinerator	1	250 Kg/Hr	81.2 (Yellow)	Incineration Ash: Quantity: 24.6 MT Disposed Through: M/s SSWM Ltd. Nalagarh Sharps: Quantity: 41.36 MT Disposed Through: M/s Santushti Industries Parwanoo
								Plasma Pyrolysis	0	0	0	
								Autoclave	1	200 Kg	149.51 Red+Blue+White	
								Hydroclave	0	0	0	

								Microwave	0	0	0	Plastics: Quantity: 100.14 MT Disposed Through: M/s Santushti Industries Parwanoo
								Shredder	1	100 Kg	102.72 (Red)	
								Sharps encapsulatio n or concrete pit	1	0	1.75 (White)	
								Deep burial pits	0	0	0	ETP Sludge: Quantity:120K g Disposed Through: M/s SSWM Ltd. Nalagarh
								Any other equipment	0	0	0	
								Effluent Treatment Plant	1	10 KLD	0	
								Sub-total	0	0	0	0

- (a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities: 2
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities: Nil
- (c) Number of trainings organized by the Common Bio-Medical Waste Treatment Facility operators: 4
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities: Nil

Part :4 Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2023)

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 equipment's 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)		
3	M/s CBWTF Bilaspur	--		From Oct. December Bilaspur Kullu Mandi L&S	656	5236	187.62	Incinerator	1	200 Kg/Hr	65.99 (Yellow)	Incineration Ash: Disposed Through: M/s SSWM Ltd. Nalagarh
								Plasma Pyrolysis	0	0	0	
								Autoclave	1	100 Kg	121.63 Red+Blue+White	Sharps: Quantity: 5.705 MT Disposed Through: M/s SSWM Ltd. Nalagarh
								Hydroclave	0	0	0	

								Microwave	0	0	0	Plastics: Quantity: 28.643MT Disposed Through: M/s Santushti Industries Parwanoo
								Shredder	1	100 Kg		
								Sharps encapsulatio n or concrete pit	1	0	2.99 (White)	
								Deep burial pits	0	0	0	ETP Sludge: Disposed Through: M/s SSWM Ltd. Nalagarh
								Any other equipment	0	0	0	
								Effluent Treatment Plant	1	10 KLD	0	
								Sub-total	0	0	0	0

- (a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities: 4
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities: Nil
- (c) Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators: 3
- (d) Number of Accidents reported by the Common Bio-Medical Waste Treatment Facilities: Nil

