



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)/Vol-III/- **6038**

Dated:- **31.7.2023**

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-2022-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 2022 on the prescribed Form-IV A for further necessary action please.

Thanking you.

Yours sincerely

Anil Joshi, IFS
Member Secretary

Encl:As above

Form IVA
[See rule 13(2)]

State: Himachal Pradesh
Year: 2022

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, pcbsssoho@gmail.com
3	Total No. of Health Care Facilities/Occupiers	9365
(i)	Bedded Hospitals and Nursing Homes (Bedded)	627
(ii)	Clinics, Dispensaries	3598
(iii)	Veterinary institutions	3492
(iv)	Animal houses	0
(v)	Pathological Laboratories	112
(vi)	Blood banks	2
(vii)	Clinical establishments	182
(viii)	Research Institutions	2
(ix)	AYUSH	1233
	Industrial Units	117
4	Total No. of beds	18824
5	Status of Authorization	
(i)	Total No. of Occupiers applied for authorization	9050
(ii)	Total No. of Occupiers granted authorization	8848
(iii)	Total No. of Applications under consideration	117
(iv)	Total No. of Applications rejected	85
(v)	Total No. of Occupiers in operation without applying for authorization	315
6	Quantity of Bio-medical Waste Generation (in Kg/Day)	3769.51
	(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)	2602.91
(ii)	Bio-medical waste generation by non-bedded hospitals (in Kg/Day)	1166.60
(iii)	Any other: Total (Kg/Day)	Nil
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	4618
(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in Kg/Day	157.04
	Total bio-medical waste treated and disposed by recyclers in Kg/Day (at HCF Level)	47.90
(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 :	3
(ii)	Number of Common Bio Medical Waste Treatment Facilities under construction :	1
(iii)	Total bio-medical waste treated in Kg/Day	3612.47
(iv)	Total bio-medical waste disposed through authorized recyclers (in Kg/Day) (at CBWTF level)	
8	Total no. of violation by :	44
(i)	Health Care Facilities (bedded and non-bedded) :	43
(ii)	Common Bio Medical Waste Treatment Facilities :	1
(iii)	Others (please specify) :	
9	Show cause notices/directions issued to defaulters :	
(i)	Health Care Facilities (bedded and non-bedded) :	43
(ii)	Common Bio Medical Waste Treatment Facilities :	1
(iii)	Others :	Nil
10	Any other relevant information:	--
(i)	Number of workshops / trainings conducted during the year :	71
(ii)	Number of occupiers installed liquid waste treatment facility :	8848
(iii)	Number of captive incinerators complying to the norms :	0
(iv)	Number of occupiers organised trainings :	4336

(v)	Number of occupiers constituted Bio-medical Waste Management Committees :	1548
(vi)	Number of occupiers submitted Annual Report for the previous calendar year :	9365
(vii)	Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste :	8848
(viii)	Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems :	3

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	
1	Himachal Pradesh	Bilaspur	114.77	Equipment	Total
		Chamba	148.38	Incinerator:	4 Nos.
		Hamirpur	176.49	Autoclave:	10 Nos.
		Kinnaur	7.87	Deep Burial:	4618 Nos.
		Kangra	670.13		
		Kullu	153.48		
		Mandi	397.29		
		Shimla	758.81		
		Sirmour	315.66		
		Solan	840.63		
		Una	176.48	Sharp Pit:	4618 Nos.
		L&S	9.52		
		Total	3769.51	Any other:	0

Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2022)

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 biomedical waste generated (in Kg/Day)	Incinerator:	Autoclave:	Deep Burial:	Any other:	Incinerator:	0.46	
1	List Enclosed at Annexure-I	67.36	47.90	28.22	13.56	157.04	1	1	4618	0	Autoclave:	0	
											Disinfection	47.90	
											Deep Burial:	66.90	
											Sharp Pit	41.781	
											Any other:	Yellow	Nil
												Red	Nil
												Blue	Nil
White	Nil												
Total	157.04												

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2022)

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		280	Shimla Solan Sirmour Bilaspur Kullu Mandi	2076	9568	2489.24	Incinerator	1	100kg/hr	1389.41 (yellow)	Incineration Ash: Quantity: 62.075 MT Disposed through: M/s SSWM Ltd. Nalagarh
								Plasma Pyrolysis				
								Autoclave	2	150Kgs	1075.37 (Red + Blue)	Plastics: Quantity: 302.735 MT Disposed Through: M/s Santusthi Industries
								Hydroclave				
								Microwave				Sharps: Quantity: 112.728 MT Disposed Through: M/s Santusthi Industries & M/s Shivalik Industries

								Shredder	2	150Kgs	1075.37 Red +Blue	
								Sharps encapsulation or concrete pit	1		24.46 (White)	--
								Deep burial pits				ETP Sludge: Quantity: 23.655 MT Disposed by: M/s SSWM Ltd. Nalagarh
								Any other equipment				
								Effluent Treatment Plant	1	10KLD		
								Sub-total				

* The Bio-medical transported from CBWTF Pirdi Kullu to CBWTF Sandli Solan due to temporary closure of facility.

- (a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities: 12
- (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: 8
- (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 2022

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	2486	5399	954.30	Incinerator	1	50 Kg/Hr	375.0 (yellow)	Incineration Ash: Quantity: 49.9 MT Disposed Through: M/s SSWM Ltd. Nalagarh
								Plasma Pyrolysis	0	0	0	
								Autoclave	1	50 Kg/Hr	579.30 Red+Blue+ White	Sharps: Quantity: 68.485 MT Disposed Through: M/s Sheetal Bottle Glass Works and Sunrise Glass Works
								Hydroclave	0	0	0	

								Microwave	0	0	0	Plastics: Quantity: 149.275 MT Disposed Through: M/s Excellent Waste Management
								Shredder	1	40 Kg/Hr	401.60 (Red)	
								Sharps encapsulation or concrete pit	1	0	18.0 (White)	0
								Deep burial pits	0	0	0	ETP Sludge: Quantity:18.8 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: **10**
- (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: 6
- (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 2022)

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 Pandoga Una	--	45	Una	185	916	168.93	Incinerator	1	250 Kg/Hr	61.2 (Yellow)	Incineration Ash: Quantity: 13.625 MT Disposed Through: M/s SSWM Ltd. Nalagarh Sharps: Quantity: 10.465 MT Disposed Through: M/s Santushti Industries Parwanoo
								Plasma Pyrolysis	0	0	0	
								Autoclave	1	200 Kg	73.96 (Red)	
								Hydroclave	0	0	0	

								Microwave	0	0	0	Plastics: Quantity: 21.684 MT Disposed Through: M/s Santushti Industries Parwanoo
								Shredder	1	100 Kg	73.96 (Red) + 31.7 (Blue) + 2.07(White)	
								Sharps encapsulation or concrete pit	1	0	02.07	
								Deep burial pits	0	0	0	ETP Sludge: Quantity:80 Kg 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 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

