

Form IVA [See rule 13(2)]

State: Himachal Pradesh
Year: 2019

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, Principal Scientific Officer, 01772673276, pcbssoho@gmail.com
3	Total No. of Health Care Facilities/Occupiers	8983
(i)	Bedded Hospitals and Nursing Homes (Bedded)	544
(ii)	Clinics, Dispensaries	3417
(iii)	Veterinary institutions	3324
(iv)	Animal houses	0
(v)	Pathological Laboratories	103
(vi)	Blood banks	3
(vii)	Clinical establishments	264
(viii)	Research Institutions	2
(ix)	AYUSH	1197
	Industrial Units	129
4	Total No. of beds	16020
5	Status of Authorization	
(i)	Total No. of Occupiers applied for authorization	4923
(ii)	Total No. of Occupiers granted authorization	1900
(iii)	Total No. of Applications under consideration	1011
(iv)	Total No. of Applications rejected	2012
(v)	Total No. of Occupiers in operation without applying for authorization	4060

6	Quantity of Bio-medical Waste Generation (in Kg/Day)	3406.60
	(please enclose District wise Bio-medical Waste Generation as per Part-2)	
(i)	Bio-medical waste generation by bedded hospitals (in Kg/Day)	2169.38
(ii)	Bio-medical waste generation by non-bedded hospitals (in Kg/Day)	1237.22
(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	6141
(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in Kg/Day	183.85
	Total bio-medical waste treated and disposed by recyclers in Kg/Day (at HCF Level)	187.38
(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 (I facility is temporarily closed)
(ii)	Number of Common Bio Medical Waste Treatment Facilities under construction :	1
(iii)	Total bio-medical waste treated in Kg/Day	3035.36
(iv)	Total bio-medical waste disposed through authorized recyclers (in Kg/Day) (at CBWTF level)	1581.63
8	Total no. of violation by :	55
(i)	Health Care Facilities (bedded and non-bedded) :	53
(ii)	Common Bio Medical Waste Treatment Facilities :	2
(iii)	Others (please specify) :	0

9	Show cause notices/directions issued to defaulters :	55
(i)	Health Care Facilities (bedded and non-bedded) :	53
(ii)	Common Bio Medical Waste Treatment Facilities :	2
(iii)	Others :	0
10	Any other relevant information:	
(i)	Number of workshops / trainings conducted during the year :	43
(ii)	Number of occupiers installed liquid waste treatment facility :	3299
(iii)	Number of captive incinerators complying to the norms :	1
(iv)	Number of occupiers organised trainings :	2725
(v)	Number of occupiers constituted Bio-medical Waste Management Committees :	705
(vi)	Number of occupiers submitted Annual Report for the previous calendar year :	7812
(vii)	Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste :	3043
(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 2019)

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	115.79	Equipment	Total
		Chamba	74.52	Incinerator:	4 Nos.
		Hamirpur	118.56	Autoclave:	6 Nos.
		Kinnaur	10.48	Deep Burial:	6140 Nos.
		Kangra	734.30		
		Kullu	153.84		
		Mandi	407.04		
		Shimla	532.60		
		Sirmour	237.80		
		Solan	870.56	Sharp Pit:	2644 Nos.
		Una	146.52		
		L & S	4.59	Any other:	0
Total	3406.6				

Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2019)

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:	0.543	
1	List Enclosed at Annexure-I	120.38	187.35	40.08	23.41	371.23	1	1	6140	0	Autoclave:	3.56	
											Disinfection	183.86	
											Deep Burial:	119.84	
											Sharp Pit	63.47	
											Any other:	Yellow	Nil
												Red	Nil
												Blue	Nil
	White	Nil											
	Total	Nil											
Total											371.23		

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2019)

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)		
1	M/s Enviro Engineers Sandli, Solan	--	280	Shimla, Solan & Sirmour	1025	8377	2058.41	Incinerator	1	100 Kg/Hr	1023.39	Incineration Ash: Quantity: 81.48 MT Disposed through: M/s SSWM Ltd. Nalagarh
				Bilaspur, Kullu & Mandi				Plasma Pyrolysis	0	0	0	
								Autoclave	2	240 Lit 1000 Lit	556.55 (Red)	Plastics: Quantity: 124.27 MT Disposed Through: M/s Santusthi Industries and M/s Sitram Plastic
								Hydroclave	0	0	0	

								Microwave	0	0	0	Sharps: Quantity: 56.18 MT Disposed Through: M/s SSWM Ltd. Nalagarh M/s Santushti Industries
								Shredder	2	50 Kg/Hr 100 Kg/Hr	556.55 (Red) + 457.63 (Blue) + 20.84 (White)	
								Sharps encapsulatio n or concrete pit	2	15x10x8 Feet	--	--
								Deep burial pits	0	0	0	ETP Sludge: Quantity: 0.320 MT Disposed by: M/s SSWM Ltd. Nalagarh
								Any other equipment	0	0	0	
								Effluent Treatment Plant	1	10 KLD	0	
								Sub-total	0	0	0	0

* 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: 3
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities: Nil

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 Biosanitizer s, Village Dhugiari, PO Gaggal, tehsil & District Kangra	--	320	Kangra, Chamba, Una & Hamirpur	948	5504	976.56	Incinerator	1	50 Kg/Hr	430.35	Incineration Ash: Quantity: 18.80 MT Disposed Through: M/s SSWM Ltd. Nalagarh
								Plasma Pyrolysis	0	0	0	
								Autoclave	1	50 Kg/Hr	393.65	
								Hydroclave	0	0	0	Sharps: Quantity: 45.49MT Disposed Through:

												M/s Sitram Plastic
								Microwave	0	0	0	Plastics: Quantity: 134.48 MT Disposed Through: M/s Sitram Plastic
								Shredder	1	40 Kg/Hr	393.65 (Red) + 133.38 (Blue) + 19.19 (White)	
								Sharps encapsulation or concrete pit	0	0	0	0
								Deep burial pits	0	0	0	ETP Sludge: Quantity: 0.890 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: 8

(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: 4

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