

Form IVA
[See rule 13(2)]

State: Himachal Pradesh
Year: 2020

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, pcbsssoho@gmail.com
3	Total No. of Health Care Facilities/Occupiers	8832
(i)	Bedded Hospitals and Nursing Homes (Bedded)	585
(ii)	Clinics, Dispensaries	3149
(iii)	Veterinary institutions	3366
(iv)	Animal houses	0
(v)	Pathological Laboratories	142
(vi)	Blood banks	4
(vii)	Clinical establishments	286
(viii)	Research Institutions	0
(ix)	AYUSH	1207
	Industrial Units	93
4	Total No. of beds	16082
5	Status of Authorization	
(i)	Total No. of Occupiers applied for authorization	7689
(ii)	Total No. of Occupiers granted authorization	6805
(iii)	Total No. of Applications under consideration	374
(iv)	Total No. of Applications rejected	510
(v)	Total No. of Occupiers in operation without applying for authorization	1143
6	Quantity of Bio-medical Waste Generation (in Kg/Day)	3545.78
	(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)	2617.48
(ii)	Bio-medical waste generation by non-bedded hospitals (in Kg/Day)	928.30
(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	5006
(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in Kg/Day	116.28
	Total bio-medical waste treated and disposed by recyclers in Kg/Day (at HCF Level)	61.64
(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 (1 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	3367.86
(iv)	Total bio-medical waste disposed through authorized recyclers (in Kg/Day) (at CBWTF level)	1213.70
8	Total no. of violation by :	672
(i)	Health Care Facilities (bedded and non-bedded) :	670
(ii)	Common Bio Medical Waste Treatment Facilities :	2
(iii)	Others (please specify) :	
9	Show cause notices/directions issued to defaulters :	672
(i)	Health Care Facilities (bedded and non-bedded) :	670
(ii)	Common Bio Medical Waste Treatment Facilities :	2
(iii)	Others :	Nil
10	Any other relevant information:	--
(i)	Number of workshops / trainings conducted during the year :	34
(ii)	Number of occupiers installed liquid waste treatment facility :	4564
(iii)	Number of captive incinerators complying to the norms :	1
(iv)	Number of occupiers organised trainings :	2214
(v)	Number of occupiers constituted Bio-medical Waste Management Committees :	928
(vi)	Number of occupiers submitted Annual Report for the previous calendar year :	8832

(vii)	Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste :	5779
(viii)	Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems :	2

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	154.17	Equipment	Total	
		Chamba	82.65	Incinerator:	3 Nos.	
		Hamirpur	169.22	Autoclave:	4 Nos.	
		Kinnaur	13.89	Deep Burial:	5005 Nos.	
		Kangra	889.95			
		Kullu	140.58			
		Mandi	366.32			
		Shimla	605.31			
		Sirmour	253.27			
		Solan	764.29			
		Una	98.06	Sharp Pit:	4920 Nos.	
		L&S	8.08			
			Total	3545.76	Any other:	0

Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2020)

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:	1.36	
1	List Enclosed at Annexure-I	56.97	61.64	30.69	16.52	177.92	1	1	5005	0	Autoclave:	0.55	
											Disinfection	67.71	
											Deep Burial:	55.61	
											Sharp Pit	47.21	
											Any other:	Yellow	Nil
												Red	Nil
												Blue	Nil
White	Nil												
Total	177.92												

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2020)

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/ Plas tics)
								Equipment	Numbers	Total installed capacity (kg/day)		
1	M/s Enviro Engineers Sandli, Solan	--	280	Shimla, Solan & Sirmour	1501	7797	2159.14	Incinerator	1	100 Kg/Hr	1224.57	Incineration Ash: Quantity: 88.19 MT
				Bilaspur, Kullu & Mandi				Plasma Pyrolysis	0	0	0	Disposed through: M/s SSWM Ltd. Nalagarh
								Autoclave	2	240 Lit 1000 Lit	541.63 (Red)	Plastics: Quantity: 186.27 MT
								Hydroclave	0	0	0	Disposed Through: M/s Santusthi Industries
								Microwave	0	0	0	Sharps: Quantity: 102.56 MT
								Shredder	2	50 Kg/Hr 100 Kg/Hr	541.63 (Red) 378.73 (Blue)	Disposed Through:

											14.21 (White)	M/s Santusthi Industries
								Sharps encapsulation or concrete pit	0	--	--	--
								Deep burial pits	0	0	0	ETP Sludge: Quantity: 0.309 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: 11
- (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: 5
- (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 Biosanitizers, Village Dhugiari, PO Gaggal, tehsil & District Kangra	--	320	Kangra, Chamba, Una & Hamirpur	2138	3966	1208.22	Incinerator	1	50 Kg/Hr	695.09	Incineration Ash: Quantity: 75.58 MT Disposed Through: M/s SSWM Ltd. Nalagarh
								Plasma Pyrolysis	0	0	0	
								Autoclave	1	50 Kg/Hr	358.33 (Red)	Sharps: Quantity: 38.73 MT Disposed Through: M/s Sitram Plastic
								Hydroclave	0	0	0	
								Microwave	0	0	0	Plastics: Quantity: 115.45 MT Disposed Through: M/s Sitram Plastic
								Shredder	1	40 Kg/Hr	358.33 (Red) + 130.78 (Blue) +	

											24.04 (White)	
								Sharps encapsulation or concrete pit	0	0	0	0
								Deep burial pits	0	0	0	ETP Sludge: Quantity:7.68 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: 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: 7
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities: Nil

