

Form IVA
[See rule 13(2)]

State: Himachal Pradesh
Year: 2021

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	HPSPCB
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	9064
(i)	Bedded Hospitals and Nursing Homes (Bedded)	607
(ii)	Clinics, Dispensaries	3392
(iii)	Veterinary institutions	3462
(iv)	Animal houses	0
(v)	Pathological Laboratories	115
(vi)	Blood banks	2
(vii)	Clinical establishments	167
(viii)	Research Institutions	1
(ix)	AYUSH	1210
(x)	Industrial Units	108
4	Total No. of beds	16685
5	Status of Authorization	
(i)	Total No. of Occupiers applied for authorization	8341
(ii)	Total No. of Occupiers granted authorization	7844
(iii)	Total No. of Applications under consideration	131
(iv)	Total No. of Applications rejected	366
(v)	Total No. of Occupiers in operation without applying for authorization	723
6	Quantity of Bio-medical Waste Generation (in Kg/Day)	4130.30
	(please enclose District wise Bio-medical Waste Generation as per Part-2)	
(i)	Bio-medical waste generation by bedded hospitals (in Kg/Day)	3073.41
(ii)	Bio-medical waste generation by non-bedded hospitals (in Kg/Day)	1056.89

(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	5178
(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in Kg/Day	109.44
	Total bio-medical waste treated and disposed by recyclers in Kg/Day (at HCF Level)	63.26
(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 by CBWTF	3957.60
(iv)	Total bio-medical waste disposed through authorized recyclers (in Kg/Day) (at CBWTF level)	
8	Total no. of violation by :	26
(i)	Health Care Facilities (bedded and non-bedded) :	24
(ii)	Common Bio Medical Waste Treatment Facilities :	2
(iii)	Others (please specify) :	0
9	Show cause notices/directions issued to defaulters :	
(i)	Health Care Facilities (bedded and non-bedded) :	24
(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 :	38
(ii)	Number of occupiers installed liquid waste treatment facility	7844
(iii)	Number of captive incinerators complying to the norms :	0

(iv)	Number of occupiers organised trainings :	3875
(v)	Number of occupiers constituted Bio-medical Waste Management Committees :	1529
(vi)	Number of occupiers submitted Annual Report for the previous calendar year :	9064
(vii)	Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste :	7844
(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 2021)					
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	154.34	Equipment	Total
		Chamba	128.64	Incinerator:	5
		Hamirpur	164.06	Autoclave:	10
		Kinnaur	15.89	Deep Burial:	5176
		Kangra	822.28	Sharp Pit:	5176
		Kullu	172.05	Any other:	0
		Mandi	439.56		
		Shimla	907.18		
		Sirmour	335.87		
		Solan	854.72		
		Una	129.96		
		L&S	5.75		
		Total	4130.30		

Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year2021)

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:	0.15	
1	List Enclosed at Annexure-I	52.14	63.26	29.19	28.11	172.70	2	0	5176	---	Autoclave:	0.00	
											Disinfection	63.26	
											Deep Burial:	51.99	
											Sharp Pit	57.306	
											Any other:	Yellow	0.00
												Red	0.00
												Blue	0.00
												White	0.00
Total	0.00												
Total	172.70												

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2021)												
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 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)		
1	M/s Enviro Engineers, Sandli District Solan		280	Shimla, Solan, Mandi, Bilaspur, Sirmour, Kullu	1670	9158	2753.64	Incinerator	1	100kg/hr	1454.84	Incineration Ash: 94.485
								Plasma Pyrolysis				
								Autoclave	2	240 lit 1000 lit	702.41 (Red)	Plastic 229.608 MT M/s Santushti Industires
								Hydroclave				
								Microwave				137.897 MT M/s Santushti Industires
								Shredder	2	50 kg /hr 100Kg/hr	702.41 Red 318.7 blue 19.75 white	
								Sharps encapsulation or concrete pit				

								Deep burial pits				ETP Sludge: Quantity: Disposed by:420 Kg disposed by M/s SSWM Ltd. Nalagarh
								Any other equipment				
								Effluent Treatment Plant	1	10		
								Sub-total				
(a)	Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities:				14							
(b)	List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities:											
(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:".											

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2021)												
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			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	Suraksha Sanitizers Kangra		330	Kangra, Chamba, Hamirpur	2034	4905	1079.29	Incinerator	1	50kg/hr	606.12	Incineration Ash: 73501 Kg/Annum
								Plasma Pyrolysis	0	0	0	
								Autoclave	1	50KG / HR	318.61	
								Hydroclave	0	0	0	
								Microwave	0	0	0	

								Shredder	1	40KG / HR	318.61 Red 131.27 blue 23.29 white	Quantity: Disposed by: Plastic = 86.12MT to SITA RAM PLASTIC DELHI & 55.25 MT to EXCELLEN T WASTE MANAGE MENT and Glass = 48.55 MT to Glass recycler
								Sharps encapsulation or concrete pit	1	0		23.29
								Deep burial pits	0	0	0	0
								Any other equipment	0	0	0	ETP Sludge: Quantity: Disposed by:3914 KG SEND TO SSWMLtd
								Effluent Treatment Plant		10KL D	0	
								Sub-total	1			
(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:	--							
(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 2021)												
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			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 Una		45	Una	182	824	124.67	Incinerator	1	250kg/hr	324.94*	Incineration Ash: 46.2 kg/day
								Plasma Pyrolysis				
								Autoclave	1	2000 lit	39.24	
								Hydroclave				
								Microwave				
								Shredder	2	50 kg /hr 100Kg/hr	39.24 Red 15.97 blue 2.39 white	
								Sharps encapsulation or concrete pit				
								Deep burial pits				ETP Sludge: Quantity: Disposed by: 145 kg SEND
								Any other equipment				