

JANUARY 2017 to DECEMBER 2017

Form IVA

[See rule 13(2)]

Format for submission of the Annual Report Information on Bio-medical Waste Management (to be submitted by the State Pollution Control Board of 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 : H.P. State Pollution Control Board
- (2) Name of the Nodal Officer with contact telephone number and e-mail : Dr. Manoj Chauhan,
Pr. Scientific Officer,
0177-2673276, 94180-44033
- (3) Total No. of Health Care Facilities/Occupiers : 2417
- (i) Bedded Hospitals and Nursing Homes (Bedded) : 496
- (ii) Clinics, Dispensaries : 689
- (iii) Veterinary institutions : 380
- (iv) Animal houses : Nil
- (v) Pathological Laboratories : 60
- (vi) Blood banks : 01
- (vii) Clinical establishments : 192
- (viii) Research Institutions : 01
- (ix) AYUSH : 683
- (4) Total No. of beds : 13525
- (5) Status of authorization :
- (i) Total No. of Occupiers applied for authorization : 690
- (ii) Total No. of Occupiers granted authorization : 48
- (iii) Total No. of Applications under consideration : 642
- (iv) Total No. of Applications rejected : Nil
- (v) Total No. of Occupiers in operation without applying for authorization: 1775
- (6) Quantity of Bio-medical Waste Generation (in kg/day) : 3018.802
(please enclose District Wise Bio-medical Waste Generation as per Part-2)
- (i) Bio-medical waste generation by bedded hospitals(in kg/day) : 2531.378
- (ii) Bio-medical waste generation by non-bedded hospitals (in kg/day) : 487.419
- (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 details as per Part-3)
- (i) Number of Health Care Facilities having captive treatment and Disposal facilities : 601

- (ii) Total bio-medical waste treated and disposed by captive treatment facilities in kg/day : 928.5
 - (b) Bio-medical waste treatment and disposal by Common Bio Medical Waste Treatment Facilities (please enclose details 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 : Nil
 - (iii) Total bio-medical waste treated in kg/day : 2099.1
 - (iv) Total treated bio-medical waste disposed through authorised recyclers (in Kg/day) : 702.593
- (8) Total no. of violation by :
- (i) Health Care Facilities (bedded and non-bedded) : 907
 - (ii) Common Bio Medical Waste Treatment Facilities : Nil
 - (iii) Others (please specify) :
- (9) Show cause notices/directions issued to defaulters :
- (i) Health Care Facilities (bedded and non-bedded) : 907
 - (ii) Common Bio Medical Waste Treatment Facilities : Nil
 - (iii) Others :
- (10) Any other relevant information:
- (i) Number of workshops / trainings conducted during the year : 48
 - (ii) Number of occupiers installed liquid waste treatment facility : 288
 - (iii) Number of captive incinerators complying to the norms : 02
 - (iv) Number of occupiers organised trainings : 366
 - (v) Number of occupiers constituted Bio-medical Waste Management Committees : 98
 - (vi) Number of occupiers submitted Annual Report for the previous calendar year : 1176
 - (vii) Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste : 60
 - (viii) Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems : 03

Part 2: District-wise Bio-medical Waste Generation (for the previous calendar year 2017)

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	Shimla	3019		
		Kinnaur			
		Chamba		Incinerator:	05
		Kangra			
		Paonta			
		Solan		Autoclave:	63
		Una			
		Hamirpur			
		Bilaspur		Deep Burial:	599
		Kullu			
		Mandi			
		Lahaul & Spiti		Any other:	--

Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2017)

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	1.5	
	601	348.43	289.17	24.08	267.26	928.9	02	04	599	--	Autoclave:	6.86	
											Deep Burial:	926.9	
											Any other:	--	
											Total	935.26	

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2017)

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	M/s Enviro Engineers, Village-Sandli, Teh-Arki, Distt-Solan H.P	--	170 Kms	Area of Solan Sirmour and Shimla	329	3766	1078.62	Incinerator	1	100 Kg/Hrs	652.17	Incineration Ash: Quantity: 40 kg /d Disposed by:TSDF Dabhota
								Plasma Pyrolysis	Nil	---	---	
								Autoclave	2	240 &1000L /Batch	151.68	
								Hydroclave	Nil	----	----	
								Microwave	Nil	----	----	
								Shredder	1	50 kg/Hrs	281.03	
								Sharps encapsulation or concrete pit	Nil	-----	55.75	
								Deep burial pits	Nil	----	----	
								Any other equipment		----	----	
								Effluent Treatment Plant	1	10KLD	0.8kl/D	
Sub-total	5	-	730.00									

- (a) Total Number of transportation vehicles used for collection of Bio-Medical Waste on Daily basis by the Common Bio Medical Waste treatment Facilities :- 03
- (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 training Organised By Common Bio- Medical Waste Treatment Facilities operators: -Nil
- (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 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)		
2	M/a Enviro Engineers, Common Bio Medical Waste Facility, Vill Pirdi, PO Mohal Distt Kullu HP , Mr. HR Thakur 8091501000		Area of Distt Bilaspur , Kullu and Mandi	Area of Distt Bilaspur , Kullu and Mandi	123	2546	340.0	Incinerator	1 No	70 kg/hr	150.0	Incineration Ash: At TSDF at Dabhota Nalagarh HP
								Plasma Pyrolysis	Nil			Quantity: Disposed by:
								Autoclave	1 No	310 ltr	190.0	Sharps:
								Hydroclave	Nil			Quantity: Disposed by: Own facility
								Microwave	Nil			Plastics:
								Shredder	1 No		173.0	Quantity: Disposed by: Shiv Shankar Plastics Sangroor (Pb).
								Sharps encapsulation or concrete pit	1 No		16.0	
								Deep burial pits				ETP Sludge: Quantity: Disposed by: At TSDF at Dabhota Nalagarh HP
								Any other equipment				
								Effluent Treatment Plant	1No		5.0 KLD	
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: 3 Nos
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities: 93
- (c) Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators: Nil
- (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 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)		
3	M/s Suraksha Bio Sanitizers, Vill. Dhugiari, PO Gaggal, Tehsil & Distt. Kangra			Area of district Kangra, Chamba, Una & Hamirpur	386	1877	213.45	Incinerator	1.	1200 kg/d	61.11	Incineration Ash: Nil Quantity: Disposed by:
								Plasma Pyrolysis	-	-		
								Autoclave	1	50 ltrs/hour	120.36	Sharps: --- Quantity: Disposed by:
								Hydroclave	-	-		
								Microwave	-	-	80.6	Plastics: Quantity: 18772.34 kg Disposed by: M/s Santushti Industries, Ucha Parwanoo, Distt. Solan
								Shredder	1	50 kg/hour		
								Sharps encapsulation or concrete pit	1			
								Deep burial pits	1	-	4.0	ETP Sludge: Quantity: Nil Disposed by: M/s Shivalik Solid Waste Nalagarh, Distt. Solan
								Any other equipment	-	-	-	
Effluent Treatment Plant	1	5 KLD										
Sub-total												
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)		
4	M/s Bio Medical Waste Treatment Plant Pvt. Ltd., Vill.			Area of district Kangra, Chamba, Una & Hamirpur	310	2409	439.77	Incinerator	1.	3600 kg	247.73	Incineration Ash: Quantity: Disposed by:
								Plasma Pyrolysis	-	-		

Pangoli, Defence Road Pathankot, Tehsil & Distt. Pathankot							Autoclave	1	2000 ltrs/ batch	219.88	Sharps: Quantity: Disposed by:	
							Hydroclave	-	-	-		
								Microwave	-	-	-	Plastics: Quantity: Red 40550.537 kg Disposed by:
								Shredder	3	300 kg/ h 250 kg/ h 100 kg/ h	165.86	
								Sharps encapsulation or concrete pit	2		49.27	
								Deep burial pits	-	-	-	ETP Sludge: Quantity: Disposed by:
								Any other equipment	-	-	-	
								Effluent Treatment Plant	1	15 KLD		
								Sub-total				

- (a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bo-medical Waste Treatment Facilities: 10
- (b) List of HCFs not having membership with the Common Bo-medical Waste Treatment Facilities & neither having captive treatment facilities: 172
- (c) Number of trainings organized by the Common Bo-medical Waste Treatment Facility operators: 10
- (d) Number of Accidents reported by the Common Bo-medical Waste Treatment Facilities: Nil

