

Central Pollution Control Board
(Ministry of Environment Forest and Climate change)
Waste Management Division
Delhi-110032

Format for Submission of the Annual Report Information on Bio-medical Waste Management
By the SPCBs/PCCs to CPCB for the period January, 2016 to December, 2016.

- 1 Name of the State Pollution Control Board/ Pollution Control Committee: **SPCB- Sikkim**
- 2 Name of the Nodal Officer with contact telephone no.& e-mail: **BK Chettri, Sr. Scientific Officer**
- 3 Total no. of HCFs: **71**
 - i. Bedded : **35**
 - ii. Non- bedded: **09**
- 4 Total no. of beds: **1375**
- 5 Status of authorization
 - a) Total no. of HCFs applied for authorization:**44**
 - b) Total no. of HCFs granted authorization :**44**
 - c) Total no. of application under consideration: **Nil**
 - d) Total no. of application rejected: **Nil**
 - e) Total no. of HCFs in operation without applying for authorization:**27**
- 6 Quantity of bio-medical waste generation (in Kg/day):**388.44**
 - a) Bio-medical waste generation by bedded hospitals (in kg/day):**387.49**
 - b) Bio-medical waste generation by non- bedded hospitals (in kg/day):**0.95**
 - c) Any other

TOTAL: 388.44kg/day
- 7 Bio- medical waste treatment & disposal
 - a) Captive bio-medical waste treatment & disposal by HCFs (please enclose details as per Annexure-I (a))

Sl. no.	Healthcare facility	TREATMENT AND DISPOSAL				
		No. of HCFs having captive treatment facilities	Total installed captive treatment facility			Total bio-medical waste treated & disposed by captive treatment facilities in kg/day
			Type of treatment equipment	No.	Capacity (in kg/day)	
i)	Bedded	35	• Incinerator	11	348(excluding 1)	Not available
			• Plasma pyrolysis	Nil	Nil	
			• Autoclaves	18	47(excluding 7)	
			• Microwaves	6	10(excluding 4)	
			• Hydroclave	Nil	Nil	
			• Shredder	18	26(excluding 13)	
			• Sharps encapsulation of concrete pit	31	Not available	
			• Deep burial pits	26	---	
			• Any other treatment equipment	---	---	
ii)	Non-bedded	09	• Incinerator	---	---	Not available
			• Plasma pyrolysis	---	---	
			• Autoclaves	1	5	
			• Microwaves	1	0.05	
			• Hydroclave	---	---	
			• Shredder	---	---	
			• Sharps encapsulation of concrete pit	---	---	
			• Deep burial pits	02	---	
			• Any other treatment equipment	---	---	
			TOTAL	---	---	388.51kg/day

b) Bio-Medical Waste treatment & disposal by CBWTs (please enclose details as per Annexure-I (b))

Total no. of CBWTs		Total installed treatment capacity			Total Bio-Medical Waste treated in kg/day
In operation	Under construction	Types of treatment equipment	No.	Total capacity (in kg/day)	
Does not exist	Nil	Incinerator	Nil	Nil	Nil
		Plasma pyrolysis	Nil	Nil	Nil
		Autoclaves	Nil	Nil	Nil
		Microwaves	Nil	Nil	Nil
		Hydroclave	Nil	Nil	Nil
		Shredder	Nil	Nil	Nil
		Sharps encapsulation of concrete pit	Nil	Nil	Nil
		Deep burial pits	Nil	Nil	Nil
		Any other treatment equipment	Nil	Nil	Nil
		Effluent Treatment Plant	Nil	Nil	Nil
		Total	---	---	---

8) Total bio-medical waste generation: **Not applicable**9) Total bio-medical waste treated & disposed (in kg/day): **173.35kg/day**

- By captive Treatment Facilities by the HCFs: **172.35kg/day**
- By CBWTs: **Does not exist**

10) Total no. of violation by:

- HCFs: **nil**
- CBWTs: **Does not exist**

11) Show cause notices/directions issued to defaulters:

- HCFs: **nil**
- CBWTs: **nil**

12) Any other relevant information:

a) No. of workshops/trainings conducted during the year: **1) Sensitization programme on provision of the 06 revised Rules including the BMW Rules, 2016 was conducted by the SPCB-Sikkim for all Head of Departments, Govt. of Sikkim in 2016.**

Health Care & Family Welfare Department, Govt. of Sikkim is regularly conducting training programme for all Govt. hospitals and PHCs. The concerned Department had reportedly conducted 06 training programmes during 2016.

b) No. of HCFs installed liquid waste treatment facility: **Nil**c) No. of captive incinerators complying to the norms: **11**d) No. of HCFs organized trainings: **As above sl. no. a)**e) No. of HCFs constituted Bio-medical Waste Management Committees: **06 (STNM, CRH, District Hospitals)**f) No. of HCFs submitted Annual Report: **44**g) No. of HCFs practicing pre-treatment of lab microbiology & Bio-technology waste: **44****(a) Information on HCFs having captive treatment facilities (for the year 2016):**

Sl. No.	Name and address of the HCF	Quantity of Bio-medical waste generation (in kg/day)					Total installed treatment capacity in kg/day					Total bio-medical waste treated in kg/day
		Yellow	Red	Blue	White	Total bio-medical waste generated (in kg/day)	Incinerator	Autoclave	Deep Burial (number)	Any other (number)		
1	STNM	22	2	9	---	33	50	---	---	1 shredder	33	
2	District Hospital Singtam	15	0	22	---	37	20	---	1	1 shredder	20	

Sl. No.	Name and address of the HCF	Quantity of Bio-medical waste generation (in kg/day)					Total bio-medical waste generated (in kg/day)	Total installed treatment capacity in kg/day				Total bio-medical waste treated in kg/day
		Yellow	Red	Blue	White	Incinerator		Autoclave	Deep Burial (number)	Any other (number)		
3	PHC, Rangpo	1	0	0.43	---	1.43	---	---	1	2 sharp pit	1	
4	CHC, Rhenock	2	0	3	---	5	---	---	1	1 Shredder	0.23	
5	PHC, Rongli	1	0	0	---	1	---	---	1	1 sharp pit	1	
6	PHC, Sang	1	0	2	---	3	---	5	1	---	3	
7	PHC, Samdong	2	0	2	---	4	---	---	1	---	0.24	
8	PHC, Pakyong	10	3	7	---	20	---	---	1	---	3	
9	PHC, Machong	0.66	0	0.26	---	0.92	10	---	1	1sharp pit	0.32	
10	District Hospital, Mangan	13	0	13	---	26	20	---	1	1shredder	26	
11	PHC, Chungthang	4	0	6	---	10	---	15	---	1 sharp pit	0.10	
12	PHC, Passingdong	0.36	0	0.54	---	0.9	---	5	1	1 sharp pit	0.01	
13	PHC, Phodong	0.4	0	1	---	1.4	---	2	1	---	1	
14	PHC, Dikchu	0.33	0.04	0.06		0.43	---	6	1	---	0.05	
15	PHC, Hee Gyathang	0.16	5	0.03		5.19	---	8	1	---	0.26	
16	District hospital, Namchi	14	0	19	---	33	20	---	1	1sharp pits	19	
17	PHC, Melli	1	0	2		3	---	0.5	1	---	---	
18	PHC, Temi	1	0	1		2	---	---	1	---	2	
19	PHC, Yangang	1	0	0		1	---	---	---	1 sharp pit	1	
20	PHC, Bermiok	5	0	5		10	---	---	---	2 Shredder	1.22	
21	CHC, Jorethang	11	0	9		20	---	---	1	1 sharp pit	2	
22	PHC, Namthang	0.2	0.33	0.33		0.86	---	---	---	---	1	
23	PHC, Ravangla	47	0	34		81	---	---	1	---	9	
24	District hospital, Gyalshing	8	0	8		16	---	---	1	1 incinerator	8	
25	PHC, Yoksom	0.06	0	0.16		0.22	---	0.5	1	---	0.06	
26	PHC, Soreng	2	1	1		4	---	---	1	---	2.34	
27	PHC, Sombaria	1	0	0		1	---	---	1	---	---	
28	PHC, Mangalbaria	3	3	1.5		7.5	---	---	1	---	N/A	
29	PHC, Tashiding	7	3	7		17	---	---	1	---	N/A	
30	PHC, Rinchenpong	1	1	0.2		2.2	---	---	1	1 shredder	0.12	
31	PHC, Dentam	Annual report	---	---	---	---	---	---	---	---	---	

Sl. No.	Name and address of the HCF	Quantity of Bio-medical waste generation (in kg/day)					Total installed treatment capacity in kg/day				Total bio-medical waste treated in kg/day
		Yellow	Red	Blue	White	Total bio-medical waste generated (in kg/day)	Incinerator	Autoclave	Deep Burial (number)	Any other (number)	
		not submitted									
32	CRH, Manipal, Gangtok	16	12	10		38	211	---	---	---	36
33	M/s Teesta Urja	0.06	0.03			0.09	2	---	---	---	0.03
34	Rangeet Power Station		0.23	0.13		0.36	5				0.31
35	NHPC Teesta Stage-V Balutar		0.66	0.33		0.99	10	5	---	---	0.99
36	Gati Infrastructure Rorathang		0.26	0.33		0.59	---	---	---	---	0.031
37	City Diagnostic, Tadong	0.001	0.001	0.1		0.102	---	---	---	---	---
38	Care Diagnostic near Hungry Jack, Gangtok	0.03	0.08	0.05		0.16	---	---	---	---	---
39	Sukhim Diagnostic & Research Centre	0.05	0	0.05		0.1	---	5	1	---	0.04
40	M/s Sister & Sister, Singtam	Not Available	---	---	---	---	---	---	---	---	---
41	M/s Sister & Sister, Namchi	Not Available	---	---	---	---	---	---	---	---	---
42	Dr. Sanjeena Ghimirey Dental Clinic, Lower Sichey, Gangtok	Not Available	---	---	---	---	---	---	---	---	---
43	Care & cure polyclinic and Diagnostic, Tadong	Not Available	---	---	---	---	---	---	---	---	---
44	M/s Thea Aesthetic Clinic, Convoy Ground	Not Available	---	---	---	---	---	---	---	---	---
	TOTAL:	191.31	31.63	165.5		388.44	348	52	26	---	172.35

Note: Rest of the HCFs i.e., 27 including Animal Husbandry Livestock Fisheries and Veterinary Department, Govt. of Sikkim have not submitted annual report till date.

**All HCFs have submitted Annual Report in old format and accordingly, in case of Blue and white category waste, the details are not given separately and figure are reported as combined figure for blue and white category.

(b) Information on Common Bio-medical Waste Treatment & Disposal Facilities (for the year 2016)

S.No.	Name & Address of the CBWTF with contact person name and telephone no.	GPS Coordinates	Coverage Area in KMS	Name of the cities/areas covered by CBWTF	Total no. of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBWTFs			Total bio-medical waste treated in kg/day	Method of Disposal of treated wastes (incineration Ash/Sharps/Plastics)
						Equipment	Nos.	Total installed capacity (kg/day)		
1.	Does not exist	Nil	Nil	Nil	Nil	Incinerator	Nil	Nil	Nil	Incineration Ash: Nil
						Plasma pyrolysis	Nil	Nil	Nil	Quantity disposed by: Nil
						Autoclaves	Nil	Nil	Nil	Sharps: Nil
						Hydroclave	Nil	Nil	Nil	Quantity disposed by: Nil
						microwave	Nil	Nil	Nil	Plastic:
						Shredder	Nil	Nil	Nil	Quantity disposed by: Nil
						Sharps encapsulation of concrete pit	Nil	Nil	Nil	
						Deep burial pits	Nil	Nil	Nil	ETP Sludge: Nil
						Any other treatment equipment	Nil	Nil	Nil	Quantity Disposed by: Nil
						Effluent Treatment Plant	Nil	Nil	Nil	---
Sub-total	---	---	---	---						

- No. of vehicles used for collection of Bio-medical Waste: **Not Applicable.**
- List of HCFs not having membership with the CBWTFs & neither having captive treatment facilities: **N/A**
- No. of trainings organized by the CBWTF: **N/A**
- No. of Accidents:
 - i) Reported: **N/A**
 - ii) Remedial measures taken: **N/A**