

**Information on Common Bio-medical Waste Treatment Facilities (CBWTFs)**  
(for the Year 2013)

Name of the State Pollution Control Board ( or) Pollution Control Committee:							Punjab Pollution Control Board, Patiala.					
Name of the Nodal Officer with contact telephone no. & mobile no.							Er. Balwinder Singh, Special Secretary (P & G) 98789-50522					
Sr. No.	Name & Address of the CBWTF with contact person name and telephone no.	Name of the cities/ areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total Quantity of BMW collected, treated and disposed of (in Kg/day)	Cost of treatment of BMW charged by the CBWTF operator (.....Rs. per Kg or .....Rs per Day or .....Rs. per bed per day)	Treatment equipment/ facilities installed at CBWTF			Air Pollution Control Systems attached with the incinerator(s)	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics)	Compliance Status
							Equipment	Nos.	Total installed capacity			
1.	M/s Rainbow Environment Pvt. Ltd. , Village Balyali, Mohali	SAS Nagar, Rupnagar, Fatehgarh Sahib, Nawa Shahar and partially from Jalandhar, Hoshiarpur & Kapurthala districts	1483	9470	3000	OPD less than 1000 patient/month = Rs. 500 Upto 10 beds= Rs 850 From 11-20 beds = Rs 2.50-3.50 per bed/day From 21 and above=Rs3.50-4.50 per bed/day	Incinerator:	2	150Kg/hr & 65 Kg/hr	Wet Scrubber	Incineration Ash:	No. of Show-cause notices/ Direction issued: 2 show cause notice issued
							Autoclave:	2	2600 Ltr/hr & 350 Ltr/hr		Secured Landfill at TSDF Nimbua	
							Hydroclave:	0	0		Sharps:	No. of Court cases: 0
							Microwave:	0	0		Dumped sharp Pit in	
							Shredder:	3 (1 no. Not working)	80 Kg/hr		Plastics: Recycled	Others:
							ETP:	1	5 KLD			
							Deep burial:	0	0			

2.	M/s Amritsar Enviro Care System (P) Ltd. Village Ibban Kalan, Chabhal Road, Amritsar	Amritsar, Tarn Taran, Ferozepur, Faridkot and Mukatsar	702	9464	2500	OPD less than 1000 patient/month = Rs. 500 Upto 10 beds= Rs 850 From 11-20 beds = Rs 2.50-3.50 per bed/day From 21 and above=Rs3.50-4.50 per bed/day	Incinerator:	1	100 kg/hr	Venturi Scrubber	Incineration Ash:	No. of Show-cause notices/ Direction issued:  Nil
							Autoclave:	1	1500 ltr/batch		Secured Landfill at TSDF Nimbua	
							Hydroclave:	0	0		Sharps:	No. of Court cases:  Nil
							Microwave:	0	0		Dumped sharp Pit in	
							Shredder:	3	200 kg/hr		Plastics: Recycled	Others:
							ETP:	1	20 KLD			
							Deep burial:					
3.	M/s BMWT Trust, Vill. Pangoli, Defence Road, Pathankot, Distt. Gurdaspur	Distt. Pathankot & Distt.Gurdaspur, Jalandhar City 50 % + G T Road Dasuya, Tanda, Mukerian & Kapurthala City.	590	6137	1200	OPD less than 1000 patient/month = Rs. 500 Upto 10 beds= Rs 850 From 11-20 beds = Rs 2.50-3.50 per bed/day From 21 and above=Rs3.50-4.50 per bed/day	Incinerator:	1	150 kg/hr	Venturi scrubber	Incineration Ash:	No. of Show-cause notices/ Direction issued:  Nil
							Autoclave:	2	2600 ltr/batch		Secured Landfill at TSDF Nimbua	
							Hydroclave:	0	0		Sharps:	No. of Court cases:  Nil
							Microwave:	0	0		Dumped sharp Pit in	
							Shredder:	2	350 kg/hr		Plastics: Recycled	Others:
							ETP:	1				
							Deep burial:	0				

4.	M/s Sembramk y Environme ntal Manageme nt (P) Ltd., Opp. Central Jail, Ludhiana	Ludhiana, Bathinda, Patiala, Sangrur, Barnala, Mansa, Moga.	1538	15540	4200	OPD less than 1000 patient/ month = Rs. 500 Upto 10 beds= Rs 850 From 11-20 beds = Rs 2.50-3.50 per bed/day From 21 and above=Rs3.50-4.50 per bed/day	Incinerator:	1	200 kg/hr	Wet Scrubber & Venturi Scrubber	Incineration Ash:	No. of Show-cause notices/ Direction issued: 2 show cause notice issued
							Autoclave:	1	680 lts/batch		Secured Landfill at TSDf Nimbua	
							Hydroclave:	0	0		Sharps:	No. of Court cases: Nil
							Microwave:	0	0		Dumped in sharp Pit	
							Shredder:	2	450 kg/hr		Plastics:	Others:
							ETP:	1	40 KLD		Recycled	
							Deep burial:					

Station: Mohali  
Date :

**Annexure-II**

**Format for Submission of the Annual Report on Bio-medical Waste Management by SPCB/PCC (For the Year 2013)**

Name of the State Pollution Control Boards/Pollution Control Committee														Punjab Pollution Control Board, Patiala						
Name of the Nodal Officer with contact telephone no. & mobile no.														Er. Balwinder Singh, Special Secy. (G&P), 98789-50522						
(1) Hospitals & Nursing Homes (HCFs) in village/town/city as per Schedule VI	(2) Total no. of HCFs irrespective of no. of patients treated	(3) Total no. of Beds	(4) No. of HCFs required to take Authorisation	(5) No. of HCF Granted Authorisation	(6) No. of HCFs having own treatment and disposal facilities	(7) Total no. of captive treatment equipment installed by the HCFs (i.e. excluding CBWTF)					(8) No. of CBWTF (Please specify if a hospital treatment facility is also used by other HCF)		(9) No. of HCFs which are utilising CBWTFs	(10) Total quantity of BMW generated (kg/day)	(11) Total quantity of BMW treated (kg/day)	(12) No. of Facilities violated BMW Rules		(13) Total No. of Show Cause Notices/ Directions issued to defaulter Facilities		
						No. of Incinerators		No. of Autoclave	No. of Microwave	No. of Hydroclave	No. of Shredder	In operation				Under construction	HCFs	CBWTFs	HCFs	CBWTFs
						With APCD	Without APCD													
I. Bio-medical Waste Management scenario reported for the period upto 2012																				
	2935	44483	2723	2669	0	0	0	0	0	0	0	4	1	2743	9299.95	9299.95	268	1	268	1
II Annual Report on Bio-medical Waste Management scenario for the year 2013 (01.01.2013 to 31.12.2013)																				
A) HCFs in town with population of 30 lakhs and above	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B) HCFs in town with population below 30 lakhs: (i) with 500 beds and above	8	5716	8	7	0	0	0	0	0	0	0	0	0	8	2177.84	2177.84	3	0	3	0
ii) with 200 beds and above but less than 500 beds	17	4131	17	17	0	0	0	0	0	0	0	0	0	17	1136.22	1136.22	1	0	1	0
iii) with 50 beds and above but less than 200 beds	138	11149	138	134	0	0	0	0	0	0	0	0	0	138	1836.8	1836.8	8	0	8	0

iv) with less than 50 beds	2622	27029	2622	2602	0	0	0	0	0	0	0	0	0	0	2622	5042.5	5042.5	139	0	139	0
C) All others institutions generating bio-medical waste not included in A) and B) above	786	0	629	581	0	0	0	0	0	0	0	0	0	0	786	549.5	549.5	24	0	24	0
<b>Total</b>	3571	48025	3414	3341	0	0	0	0	0	0	0	4	0	0	3571	10900.0	10900.0	175	2	175	4

Annexure-III

SUMMARY SHEET ON BIO-MEDICAL WASTE MANAGEMENT SCENARIO IN THE STATE/UT

- (1) Name of the SPCB/PCC & Contact person with Telephone No. /Mobile No. : Punjab Pollution Control Board, Patiala, Er. Balwinder Singh, Special Secretary (G&P), 98789-50522

(2) No. of HCFs :	S. No.	HCF catwegory	No. Of HCFs require authorisation under BMW Rules	No. Of HCFs does not require authorisation under BMW Rules
	(a)	Bedded Hospitals	2785	Nil
	(b)	Non-bedded Hospitals	608	157
	(c)	Others (Vetarinary Hospitals/Research Organisations etc.)	21	0

- (3) Total No. of Beds in HCFs : 48025
- (4) Status on Consents under Water Act & Air Act :
- a) No. of HCFs applied for Consents under Water & Air Acts : 17
- b) No. of HCFs obtained Consents under Water & Air Acts : 17
- c) No. of applications under consideration : Nil
- d) No. of applications rejected : Nil
- (5) Status on Authorization under BMW Rules :
- a) No. of HCFs applied for Authorization : 3414
- b) No. of HCFs obtained Authorization : 3341
- c) No. of applications under consideration : 73
- d) No. of applications rejected : Nil
- (6) Details on On-Site treatment equipments installed by HCFs : (enclose details as annexure separately if required):

Sl. No.	No. of HCFs	On-site Deep Burial		On-site Incinerator		On-site Autoclave		On-site Microwave		On-site Hydroclave		On-site Shredder	
		Nos	Total installed capacity in Kg/day	Nos	Total installed capacity in Kg/day	Nos	Total installed capacity in Kg/day	Nos	Total installed capacity in Kg/day	Nos	Total installed capacity in Kg/day	Nos	Total installed capacity in Kg/day
1.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

- a) Total Bio-medical waste generated by HCFs ( in Kg/day) : 10900.0 kg/day
- (generated only)
- b) Total recyclable treated bio-medical waste sold off by HCFs in Kg/day : Nil
- c) Total treated Bio-medical waste disposed off to CBWTFs by HCFs in Kg/day : 10900.0 kg/day
- (7) No. of On-Site Incinerator (s) in operation installed by HCFs : Nil
- a) With APCD : Nil
- b) Without APCD : Nil
- (8) Details on Common Bio-medical Waste Treatment Facility (CBWTF) :
- a) Total No. of CBWTFs in operation : 4
- b) Total No. of CBWTFs under construction : 0
- c) Total No. of Incinerators installed by CBWTFs : 5
- I. With APCD : 5
- II. Without APCD : Nil
- (9) Details of CBWTFs (enclose details as annexure separately if required) :

Sl. No.	Name of the CBWTF with complete address	No. of member HCFs	Incinerator		Autoclave		Microwave		Hydroclave		Shredder	
			Nos	Total installed capacity in Kg/hr	Nos	Total installed capacity in Kg/day	Nos	Total installed capacity in Kg/day	Nos	Total installed capacity in Kg/day	Nos	Total installed capacity in Kg/day
1	M/s Sembramky Environmental Management (P) Ltd., Opp. Central Jail, Ludhiana	1538	1	200	1	680 ltrs/batch	-	-	-	-	2	450 kg/hr
2	M/s Rainbow Environments , Village Balyali, Mohali	1483	2	150 & 65	2	2600 & 350 ltrs/batch	-	-	-	-	2	80 kg/hr
3	M/s Amritsar Enviro Care System (P) Ltd. Village Ibban Kalan, Chabhal Road, Amritsar	702	1	10 0	1	1500 ltrs/batch	-	-	-	-	3	200 kg/hr
4	M/s BMWT Trust, Vill. Pangoli, Defence Road, Pathankot, Distt. Gurdaspur Ph. 941700781	590	1	150	2	2600 ltrs/batch	-	-	-	-	2	350kg/hr

- a) Total Bio-medical waste collected & treated by CBWTFs in Kg/day : 10900.0 kg/day
- b) Total recyclable treated bio-medical waste sold off by CBWTFs in Kg/day : 4920.0 kg/day
- c) Total Bio-medical waste disposed off by CBWTFs in Kg/day : 10900.0 kg/day
- (10) Action taken against HCFs/CBWTFs for violation of provisions :
- a) No. of Show-cause notices issued to HCFs :175
- b) No. of Show-cause notices issued to CBWTFs : 4
- c) No. of HCFs closed during the year 2013 : 0
- d) No. of CBWTFs closed during the year 2013 : 0
- (11) Details on Bio-medical Waste Management Scenario :
- a) Total Bio-medical Waste Generation in Kg/day : 10900.0 Kg/day

I.	Incinerable	: 5980.0 kg/day
II.	Recyclable (after autoclaving followed by shredding)	: 4920.0 kg/day
III.	Disposable in secured landfill/deep burial/sanitary landfill	: 0 kg/day
b)	Total Bio-medical Waste Collected in Kg/day	: 10900.0 kg/day
c)	Total Bio-medical Waste Treated & Disposed in Kg/day	: 10900.0 kg/day

- (12) Steps taken by SPCB/PCC for improvement in Bio-medical Waste Management scenario in the State/UT (pl. use Annexure for detail) during the year 2013
1. A project by UNIDO-GEF on Environmentally Sound Management of Biomedical Waste was launched in the State.
  2. 14 no. Awareness programs were organized from time to time to create awareness among HCFs for implementation of various provisions of BMW Rules, 1998.

**Note:** *Strike off whichever is not applicable*