

Format for Submission of the Annual Report on Bio-medical Waste Management by SPCB/PCC (For the Year 2014)

Annexure-I

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 Secretary (P & G) 98789-50522						
Hospitals & Nursing Homes (HCFs) in village/town/city as per Schedule VI (1)	Total no. of HCFs irrespective of no. of patients treated (2)	Total no. of Beds (3)	No. of HCFs applied for Authorisation (4)	No. of HCFs Granted Authorisation (5)	No. of HCFs having own treatment and disposal facilities (6)	Total no. of captive treatment equipment installed by the HCFs (i.e excluding CBWTF) (7)						No. of CBWTF (Please specify if a hospital treatment facility is also used by other HCF) (8)		No. of HCFs which are utilising CBWTFs (9)	Total quantity of BMW generated (kg/day) (10)	Total quantity of BMW treated (kg/day) (11)	No. of Facilities violated BMW Rules (12)		Total No. of Show Cause Notices/ Directions issued to defaulter Facilities (13)	
						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 2013																				
	3571	48025	3414	3341	0	0	0	0	0	0	0	4	0	3571	10900.0	10900.0	175	2	175	4
II Annual Report on Bio-medical Waste Management scenario for the year 2014 (01.01.2014 to 31.12.2014)																				
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	0
B) HCFs in town with population below 30 lakhs: (i) with 500 beds and above	8	6051	6	5	0	0	0	0	0	0	0	0	0	8	1526.97	1526.97	1	4	1	23
ii) with 200 beds and above but less than 500 beds	16	4653	12	10	0	0	0	0	0	0	0	0	0	16	742.75	742.75	3	0	3	0
iii) with 50 beds and above but less than 200 beds	139	11943	109	99	0	0	0	0	0	0	0	0	0	139	1020.82	1020.82	8	0	8	0
iv) with less than 50 beds	2646	33791	1861	1753	0	0	0	0	0	0	0	0	0	2646	9177.46	9177.46	414	0	414	0

C) All others institutions generating bio-medical waste not included in A) and B) above	2096	0	441	415	0	0	0	0	0	0	0	0	0	2043	342.77	342.77	200	0	200	0
Sub-total	4905	56438	2429	2282	0	0	0	0	0	0	0	0	0	4852	12810.8	12810.8	626	4	626	23
Total (I + II)	8476	104463	5843	5623	0	0	0	0	0	0	0	4	0	8423	23710.8	23710.8	801	6	801	27

Station: Mohali
Date: 31.03.2015

Signature of the authorised official & seal

Information on Common Bio-medical Waste Treatment Facilities (CBWTFs)
(for the Year 2014)

Annexure-II

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 orRs per Day orRs. 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 (Sh. Sarabjeet Singh, Owner M: +91-98150-75782)	SAS Nagar, Rupnagar, Fatehgarh Sahib, Nawa Shahr and partially from Jalandhar, Hoshiarpur & Kapurthala districts	1785	17390	3091.2	OPD/ Clinics/ Labs/Nursing homes/HCEs less than 10 beds = Rs. 1000/month From 11-20 beds = Rs 4.20/- per bed/day From 21 and above=Rs 5.40/- per bed/day	Incinerator:	2	150Kg/hr & 65 Kg/hr	Venturi Scrubber, Droplet Separator and Aqua Cyclone	Incineration Ash:	No. of Show-cause notices/ Direction issued: 8 show cause notice issued
							Autoclave:	2	2600 Ltr/batch & 320 Ltr/batch		Secured Landfill at TSDF Nimbua	
							Hydroclave:	0	0		Sharps:	No. of Court cases: 0
							Microwave:	0	0		Dumped in sharp Pit in the premises	
							Shredder:	2	500 Kg/hr		Plastics:	Others:
							ETP:	1	21.6 KLD		Sold to recyclers after autoclaving & shredding	
							Deep burial:	0	0			
	M/s Amritsar	Amritsar, Tarn Taran, Ferozepur, Faridkot and	949	11295	2831.14	OPD/ Clinics/ Labs/Nursing	Incinerator:	1	100 kg/hr	Venturi Scrubber and	Incineration Ash: Secured Landfill	No. of Show-cause notices/ Direction

2.	Enviro Care System (P) Ltd. Village Ibban Kalan, Chabhal Road, Amritsar (Dr. Inderpal Singh Pasricha M: +91-98140-55094)	Mukatsar				homes/HCEs less than 10 beds = Rs. 1000/month From 11-20 beds = Rs 4.20/- per bed/day From 21 and above=Rs 5.40/- per bed/day	Autoclave:	2	1800 ltr/batch	Droplet Separator	at TSDF Nimbua	issued: 5 show cause notice issued
							Hydroclave:	0	0		Sharps: Dumped in sharp Pit in the premises	No. of Court cases: Nil
							Microwave:	0	0		Plastics: Sold to recyclers after autoclaving & shredding	Others:
							Shredder:	3	150 kg/hr			
							ETP:	1	—			
							Deep burial:	-	-			
3.	M/s BMWT Trust, Vill. Pangoli, Defence Road, Distt. Pathankot (Sh. Davinder Saini M: +91-98557-62987)	Distt. Pathankot & Distt.Gurdaspur, Jalandhar City 50 % + G T Road Dasuya, Tanda, Mukerian & Kapurthala City.	633	7213	1163.87	OPD/ Clinics/ Labs/Nursing homes/HCEs less than 10 beds = Rs. 1000/month From 11-20 beds = Rs 4.20/- per bed/day From 21 and above=Rs 5.40/- per bed/day	Incinerator:	1	150 kg/hr	Venturi scrubber and Droplet Separator	Incineration Ash: Secured Landfill at TSDF Nimbua	No. of Show-cause notices/ Direction issued: 5 show cause notice issued
							Autoclave:	2	2600 ltr/batch			
							Hydroclave:	0	0		Sharps: Dumped in sharp Pit in the premises	No. of Court cases: Nil
							Microwave:	0	0			
							Shredder:	2	350 kg/hr		Plastics: Sold to recyclers after autoclaving & shredding	Others:
							ETP:	1	15 KLD			
							Deep burial:	-	-			
	M/s Medicare	Ludhiana, Bathinda, Patiala, Sangrur, Barnala,	1538	20540	5724.59	OPD/ Clinics/ Labs/Nursing	Incinerator:	1	200 kg/hr	Wet Scrubber & Venturi	Incineration Ash: Secured Landfill	No. of Show-cause notices/ Direction

4.	Environme ntal Manageme nt (P) Ltd., Opp. Central Jail, Ludhiana (Sh. Sunil Aggarwal, GM M: +91- 98148- 01375)	Mansa, Moga.				homes/HCEs less than 10 beds = Rs. 1000/month From 11-20 beds = Rs 4.20/- per bed/day From 21 and above=Rs 5.40/- per bed/day	Autoclave:	1	850 ltrs/batc h	Scrubber	at TSDF Nimbua	issued: 5 show cause notice issued
							Hydroclave:	0	0		Sharps: Dumped in sharp Pit	No. of Court cases: Nil
							Microwave:	0	0		Plastics: Sold to recyclers after autoclaving & shredding	Others:
							Shredder:	2	750 kg/hr			
							ETP:	1	30-35 KLD			
							Deep burial:	-	-			

Station: Mohali
Date : 31.03.2015

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	2809	0
(b)	Non-bedded Hospitals	667	1425
(c)	Others (Vetarinary Hospitals/Research Organisations etc.)	3	1

(3) Total No. of Beds in HCFs : 56438

(4) Status on Consents under Water Act & Air Act :
a) No. of HCFs applied for Consents under Water & Air Acts : 22
b) No. of HCFs obtained Consents under Water & Air Acts : 21
c) No. of applications under consideration : 01
d) No. of applications rejected : 00

(5) Status on Authorization under BMW Rules :
a) No. of HCFs applied for Authorization : 2429
b) No. of HCFs obtained Authorization : 2282
c) No. of applications under consideration : 79
d) No. of applications rejected : 68

(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 & treated by HCFs (on-site/captive facilities(in Kg/day: 100% treatment by CBWTF
b) Total recyclable treated bio-medical waste sold off by HCFs in Kg/day : NA
c) Total treated Bio-medical waste disposed off by HCFs in Kg/day : NA
(7) No. of On-Site Incinerator (s) in operation installed by HCFs : Nil
a) With APCD : NA
b) Without APCD : NA
(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 : 0
(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/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.	M/s Rainbo w Environ ment Pvt. Ltd. , Village Balyali, Mohali	1785	2	150Kg /hr & 65 Kg/hr	2	2600 Ltr/b atch & 320 Ltr/b atch	Nil	NA	Nil	NA	2	500 kg/hr
2	M/s Amritsar Enviro Care System (P) Ltd. Village Ibban Kalan, Chabhal Road, Amritsar	949	1	100 Kg/hr	2	1800 Ltr/b atch	Nil	NA	Nil	NA	3	150 kg/hr

3	M/s BMWT Trust, Vill. Pangoli, Defence Road, Distt. Pathankot	633	1	150 Kg/hr	1	2600 Ltr/b atch	Nil	NA	Nil	NA	2	350 kg/hr
4	M/s Medicare Environm ental Managem ent (P) Ltd., Opp. Central Jail, Ludhiana	1538	1	200 Kg/hr	1	850 Ltr/b atch	Nil	NA	Nil	NA	2	750 kg/hr

- a) Total Bio-medical waste collected & treated by CBWTFs in Kg/day
: 12810.8 kg/day
- b) Total recyclable treated bio-medical waste sold off by CBWTFs in Kg/day
: 8178 kg/day
- c) Total Bio-medical waste disposed off by CBWTFs in Kg/day
: 12810.8 kg/day

- (10) Action taken against HCFs/CBWTFs for violation of provisions
:
- a) No. of Show-cause notices issued to HCFs
:626
- b) No. of Show-cause notices issued to CBWTFs
:23
- c) No. of HCFs closed during the year 2014
:0
- d) No. of CBWTFs closed during the year 2014
:0

- (11) Details on Bio-medical Waste Management Scenario
:
- a) Total Bio-medical Waste Generation in Kg/day
:12810.8 kg/day
- I. Incinerable
:4632.8 kg/day
- II. Recyclable (after autocalving followed by shredding)
:8178 kg/day
- III. Disposable in secured landfill/deep burial/sanitary landfill
: 0 kg/day
- b) Total Bio-medical Waste Collected in Kg/day
: 12810.8 kg/day
- c) Total Bio-medical Waste Treated & Disposed in Kg/day
: 12810.8 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 2014
: PPCB conducted more than 50 training programmes on BMW management covering all the districts of the State and more than 1000 medical professionals & paramedical staff was trained in that.

Note: Strike off whichever is not applicable