

**FORMAT FOR SUBMISSION OF THE ANNUAL REPORT ON BIO-MEDICAL WASTE MANAGEMENT BY SPGB/PCC**

**(FOR THE YEAR 2013)**

Name of the State Pollution Control Boards/Pollution Control Committee														M.P. Pollution Control Board, Bhopal								
Name of the Nodal Officer with contact telephone no. & mobile no.														Shri H.S.Malviya, S.E.								
Hospitals & Nursing Homes (HCFs) in village/town/city as per Schedule VI	Total no. of HCFs irrespective of no. of patients treated	Total no. of Beds	No. of HCFs applied for Authorisation	No. of HCFs Granted Authorisation	No. of HCFs having own treatment and disposal facilities	Total no. of captive treatment equipment installed by the HCFs (i.e. excluding CBWTF)					No. of CBWTF (Please specify if a hospital treatment facility is also used by other HCF)		No. of HCFs which are utilising CBWTFs	Total quantity of BMW generated (kg/day)	Total quantity of BMW treated (kg/day)	No. of Facilities violated BMW Rules		Total No. of Show Cause Notices/ Directions issued to defaulter Facilities				
						(7)		(8)		(12)		(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															
(1)	(2)	(3)	(4)	(5)	(6)								(9)	(10)	(11)							
<b>(d) Bio-medical Waste Management scenario as reported for the year 2011</b>																						
	2663	63276	1466	1434	586	6	5	309	----	----	797	15	----	2429	9405.15	9014.73	235	----	176	----		
<b>(b) Annual Report on Bio-medical Waste Management scenario for the year 2012 (01.01.2011 to 31.12.2012)</b>																						
A) HCFs in town with population of 30 lakhs and above	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----			
B) HCFs in town with population below 30 lakhs:	13	10494	13	13	05	04	---	05	----	----	03	14	----	2571	995	995	02	---	01	----		
(i) with 500 beds and above																						
xi) with 200 beds and above but less than 500 beds	33	8183	29	29	07	01	---	15	---	---	36		---				1185	1138	02	----	02	----
xii) with 50 beds and above but less than 200 beds	175	16695	138	136	26	---	---	33	----	----	108		---				2618	2518	34	---	02	----
xiii) with less than 50 beds	2079	30038	1530	1530	140	---	----	290	---	----	482		---				3802	3702	141	---	122	----
C) All others institutions generating bio-medical waste not included in A) and B) above	550	18	358	334	101	----	---	03	---	----	171	---			360	338	12	---	03	----		
<b>Total</b>	2850	65428	2068	2042	279	05	00	346	----	----	800	14	----	2571	8960	8691	191	---	130	-----		

Station: Bhopal  
Date : 24/07/2014

Signature of the authorised official & seal

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

Name of the State Pollution Control Board (or) Pollution Control Committee:							Madhya Pradesh Pollution Control Board, Bhopal					
Name of the Nodal Officer with contact Telephone no. & Mobile No.:							H.S. Malviya, S.E					
Sr. No.	Name & Address of 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 in Kg/day			
1.	M/s. Elite Engineers, 48, Narmada Road, Jabalpur	Jabalpur & Katni	148	5309	600	Rs. 95/ bed/month	Incinerator:	1	100Kg/hr.	Wet Scrubber	Incineration Ash: TSDF site, Pithampur	No. of Show-Cause notices/ Direction issued:-----
							Autoclave:	1	250 Liter/Cycle			
							Hydroclave:	-----	-----			
							Microwave:	-----	-----			
							Shredder:	1	50Kg/hr.			
							ETP:	1	-----			
							Deep burial:	Yes	-----			
2.	M/s. Krupa Wastages, Seoni	Seoni, Mandla Narsingpur Balaghat & Chhindwara	119	3556	360	Rs. 5/ bed/day	Incinerator:	1	50Kg/hr.	Wet Scrubber	Incineration Ash: Secured landfill	No. of Show-Cause notices/ Direction issued:-----
							Autoclave:	1	100Liter/Cycle			
							Hydroclave:	-----	-----			
							Microwave:	-----	-----			
							Shredder:	1	50Kg/hr.			
							ETP:	1	200 Liter/Cycle			
							Deep burial:	Yes	-----			
3.	M/s. Chandra Project, Lal Bag, Ward No. 6, Chhindwara	Chhindwara	18	470	120	---	Incinerator:	----	----	N/A	Incineration Ash: N/A	No. of Show-Cause notices/ Direction issued:-----
							Autoclave:	----	----			
							Hydroclave:	----	-----			
							Microwave:	----	-----			
							Shredder:	----	----			
							ETP:	----	-----			
							Deep burial	Yes	-----			
4.	M/s. Hoswin Incinerator Pvt. Ltd., 196 A-198 B, Sector-F, Sanwer Road, Indore	Indore, Shajapur, Khandwa,Khargone , Barwani, Burhanpur, Dhar, Ujjain, Dewas, Sanawad, Betma, Rau, mhow, Nagda, Rajgarh	611	9560	1950	Rs. 5/ bed/day	Incinerator:	2	350Kg/hr.	High pressure ventury scrubber, droplet separator, 31m chimney	Incineration Ash: TSDF site, Pithampur	No. of Show-Cause notices/ Direction issued:----
							Autoclave:	1	400Liter/Cycle			
							Hydroclave:	-----	-----			
							Microwave:	-----	-----			
							Shredder:	2	400Kg/hr.			
							ETP:	1	20Kl/day			
							Deep burial:	-----	-----			
5.	M/s. Indo Water Management & Pollution Control Corporation, Satna	Satna,Panna, Chhatarpur, Damoh, Rewa, Siddhi & Singroly.	235	4571	1108	Rs. 7/ bed/day	Incinerator:	1	100Kg/hr.	Attached APCD	Incineration Ash: Secured landfill	No. of Show-Cause notices/ Direction issued:-----
							Autoclave:	1	300 Lit./cycle			
							Hydroclave:	-----	-----			
							Microwave:	-----	-----			
							Shredder:	1	40Kg/hr.			
							ETP:	U/P	-----			
							Deep burial:	Yes	-----			

6.	M/s. M.P. Bio-Medical Waste Disposal System, Jawahar chowk, Katni	Shahdol, Anuppur & Umariya	476	1351	582	Rs. 8/ bed/day	Incinerator: ----- Autoclave: ----- Hydroclave: ----- Microwave: ----- Shredder: ----- ETP: ----- Deep burial: Yes	Plastic (after washing and cutting sold)	Incineration Ash: N/A Sharps: Sharp pit Plastics: sold to kabadi for recycling	No. of Show-Cause notices/ Direction issued:----- No. of Court Cases: ----- Others:-----
7.	M/s. Bio-Medical Waste Management System, Ratlam	Ratlam, Mandsour, Neemuch	105	2469	100	Rs. 6/ bed/day	Incinerator: 1 Autoclave: 1 Hydroclave: ----- Microwave: ----- Shredder: 1 ETP: ----- Deep burial: Yes	ventury scrubber	Incineration Ash: Ash pit Sharps: Sharp pit Plastics: Recycler	No. of Show-Cause notices/ Direction issued:---- No. of Court Cases:----- Others:-----
8.	M/s. Labco Instruments, S- 419, Sharda Trade Center, Faizabad Road, Indira Nagar, Lucknow (U.P.) (Transportation)	Vindhyannagar	01	68	20.6	Rs. 12.20/ bed/day	Incinerator: 1 Autoclave: 1 Hydroclave: ----- Microwave: ----- Shredder: 1 ETP: U/P Deep burial: -----	scrubber	Incineration Ash: Municipal landfill Sharps: Sharp pit Plastics: Recycler	No. of Show-Cause notices/ Direction issued:----- No. of Court Cases: ---- Others:-----
9.	M/s. Medical Pollution Disposal Committee, Jhansi (Transportation)	Bina Town, shivpuri, Ashoknagar	41	832	208	Rs.8/bed/day	Incinerator: 1 Autoclave: 1 Hydroclave: ----- Microwave: ----- Shredder: 1 ETP: ----- Deep burial: -----	-----	Incineration Ash: Secured landfill Sharps: sharp pit Plastics:sold to recycler	No. of Show-Cause notices/ Direction issued: No. of Court Cases: Others:
10.	People's College of Medical Science & Research Centre, Bhopal	Bhopal	05	1750	125	Use for People's group hospitals only	Incinerator: 1 Autoclave: 1 Hydroclave: ----- Microwave: ----- Shredder: 1 ETP: ----- Deep burial: -----	ventury scrubber, droplet separator	Incineration Ash: Stored in Pukka Tank Sharps: Sharp pit Plastics: Sold to recycler.	No. of Show-Cause notices/ Direction issued:---- No. of Court Cases: ---- Others:----
11.	Bhopal Incinerator Pvt. Ltd., 6/5 H- Sector, Industrial Area, Govindpura, Bhopal	Bhopal & Raisen	297	9894	997	Rs.6.60/bed/day(Pvt. HCFs) Rs.5.30/bed/day(Govt.HCFs) Rs.730/Month(Pathology) Rs.2000/ Month(Blood Bank) Rs.600/ Month(Dentist)	Incinerator: 2 Autoclave: 1 Hydroclave: ----- Microwave: ----- Shredder: 1 ETP: ----- Deep burial: -----	ventury scrubber, droplet separator	Incineration Ash: SLF, Pithampur Sharps: Sharp pit Plastics: Sold to recycler.	No. of Show-Cause notices/ Direction issued:----- No. of Court Cases: ----- Others:-----

12.	Environmental Protection Corporation, Sehore	Sehore, Betul Harda, Hoshangabad & Vidisha, Guna	170	5925	880		Autoclave: 1 100Litre/Cycle Hydroclave: ----- Microwave: ----- Shredder: 1 50Kg/hr. ETP: 1 3.5KLD Deep burial:	scrubber, droplet separator, Mist Alimenarator	Ash: Stored in Pukka Tank Sharps: Sharp pit Plastics: Sold to recycler	notices/ Direction issued:----- No. of Court Cases: ----- Others:-----
13.	Bundelkhand Medical College, Sagar	Sagar	19	561	35	-----	Incinerator: ----- Autoclave: ----- Hydroclave: ----- Microwave: ----- Shredder: 1 ETP: Deep burial: 3	-----	Incineration Ash: Sharps: Plastics:	No. of Show-Cause notices/ Direction issued:----- No. of Court Cases: ----- Others:-----
14.	J.A.Group of Hospital, Gwalior	Gwalior	295	4604	850	Rs.5/bed/day Rs.500/Month(Pat hology) Rs.1000/ Month(Blood Bank)	Incinerator: 1 100 Kg/hr Autoclave: 1 120Litre/Cycle Hydroclave: ----- Microwave: ----- Shredder: 1 50Kg/hr. ETP: 1 5KLD Deep burial:	Ventury Scrubber 30mStack height	Incineration Ash: Stored in pit Sharps: Sharp pit Plastics: Sold to recycler	No. of Show-Cause notices/ Direction issued:----- No. of Court Cases: ----- Others:-----
15.	Datt Enterprises, Agra	Morena	25	469	64		Incinerator: 1 200 Kg/hr Autoclave: 1 100Litre/Cycle Hydroclave: 1 100Kg/hr. Microwave: ----- Shredder: 1 100Kg/hr. ETP: Deep burial:	Ventury Scrubber	Incineration Ash: Municipal landfill Sharps: Sharp pit Plastics: Sold to recycler	No. of Show-Cause notices/ Direction issued:----- No. of Court Cases: ----- Others:-----

Station: Bhopal  
Date : 24 /07/2014

Signature of the authorized official & seal



## SUMMARY SHEET ON BIO-MEDICAL WASTE MANAGEMENT

- (1) Name of the SPCBs/ PCCs & Contact person with Telephone No. /Mobile No. : Shri H.S.Malviya, E.E., M.P.Pollution Control Board, Bhopal

	HCF category	No. of HCFs require authc under BMW Rules	No. of HCFs does not require authorization under BMW Rules
a)	Bedded Hospitals	2300	-----
b)	Non bedded Hospitals	550	-----
c)	Others (Veterinary Hospitals / Research Organization etc.)	-----	-----

(2) No. of HCFs : 2850

(3) Total No. of Beds : 65428

(4) Status on Consents under Water Act & Air Act :

- a) No. of HCFs applied for Consents under Water & Air Acts : 13  
b) No. of HCFs obtained Consents under Water & Air Acts : 07  
c) No. of applications under consideration : 05  
d) No. of applications rejected : 01

(5) Status on Authorization under BMW Rules : 2068

- a) No. of HCFs applied for Authorization : 2042  
b) No. of HCFs obtained Authorization : 26  
c) No. of Application under consideration : 26  
d) No. of applications rejected : -----

(6) Details on On-site treatment equipments installed by HCFs:(enclosed details as annexure separately if required):

S. 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.	279	566	1090.5	06	286.78 kg/hr.	309	441 Lit./cycle	-----	-----	-----	-----	785	95

- a) Total Bio-medical waste collected & treated by HCFs in Kg/day(on-site/captive facilities in Kg/day): 1096  
b) Total recyclable bio-medical waste sold off by HCFs in Kg/day : 335  
c) Total Bio-medical waste disposed off by HCFs in Kg/day : 761

- (7) No. of On-site Incinerator (s) in operation installed by HCFs. : 05  
 a) With APCD : ---  
 b) Without APCD : ---
- (8) Details on Common Bio-medical Waste Treatment Facility (CBWTF):  
 a) Total No. of CBWTFs in operation : 14  
 b) Total No. of CBWTFs under construction : ---  
 c) Total No. of Incinerators installed by CBWTFs : 12  
 I. With APCD : 12  
 II. Without APCD : ---

- (9) Details of CBWTFs (use separate sheet if required) :

Sr. No.	Name of CBWTF & address	No. of HCFs taken membership	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.	15	2571	12	1450kg/hr.	12	3355Lit. /cycle	-----	-----	01	100kg/hr.	13	635kg/hr.

- a) Total Bio-medical waste collected & treated by CBWTFs in Kg/day : 7864  
 b) Total recyclable bio-medical waste sold off by CBWTFs in Kg/day : 1454  
 c) Total Bio-medical waste disposed off by CBWTFs in Kg/day : 6410
- (10) Action Taken against HCFs/ CBWTFs for violation of provisions :  
 a) No. of Show-cause notices issued to HCFs : 191  
 b) No. of Show-cause notices issued to CBWTFs : ---  
 c) No. of HCFs closed : ---  
 d) No. of CBWTFs closed : 01
- (11) Details on Bio-medical Waste Management Scenario:  
 a) Total Bio-medical Waste Generation in Kg/day : 8960  
 I. Incinerable : 3487  
 II. Recyclable : 5182  
 III. Disposable in secured landfill : 291  
 b) Total Bio-medical Waste Collected in Kg/day : 8960  
 c) Total Bio-medical Waste Treated & Disposed in Kg/day : 8691
- (15) Steps taken by SPCBs/PCCs for improvement in Bio-medical waste management in the State/UT (pl. use Annexure for Detail during the year 2011):  
 Workshop/Training programme were organized at Guna, Sagar and Mandasour for training of Doctors, Paramedical staff etc of Govt. & Pvt. HCFs. Meeting held with HCFs for grant of authorization and proper Management of Bio-Medical Waste. Pamphlets distributed to create awareness regarding treatment & disposal of BMW. Polythene bags, Pamphlets distributed to local people to explain ill effects of improper handling of BMW management.

Note: Strike off whichever is not applicable