

Central Pollution Control Board
(Ministry of Environment Forest & 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:** Punjab Pollution Control Board
2. **Name of the Nodal Officer with contact telephone no. & e-mail:** Er. Balwinder Singh Brar, Special Secretary (G & P), Vatavaran Bhawan, Nabha Road, Patiala, 98789-50522, epappcb@gmail.com
3. **Total no. of HCFs :** 6475
 - i) **Bedded:** = 2606
 - ii) **Non-bedded** = 3869
4. **Total no. of Beds** = 57439
5. **Status of authorizations**
 - a) **Total no. of HCFs applied for authorization:** 1430
 - b) **Total no. of HCFs granted authorization:** 1284
 - c) **Total no. of application under consideration:** 146
 - d) **Total no. of application rejected:** 0
 - e) **Total no. of HCFs in operation without applying for authorization:** 1875
6. **Quantity of Bio-medical Waste generation (in Kg/day)**
 - a) **Bio-Medical Waste generation by bedded hospitals (in kg/day):** 13.934 Kg/day
 - b) **Bio-medical waste generation by non-bedded hospitals (in kg/day):** 0.734 Kg/day
 - c) **Any other (in kg/day):**

Total in kg/day= 14.668 kg/day
7. **Bio-medical waste treatment & disposal**
 - a) **Captive bio-medical waste treatment & disposal by HCFs** (please enclose details as per Annexure-1(A): **NIL**)

Sr. No.	Healthcare facility	Treatment & Disposal				Total bio-medical waste treated & disposed by captive treatment facilities in kg/day
		No. of HCFs having captive treatment facilities	Total installed captive treatment facility			
			Type of treatment equipment	No.	Capacity (in kg/day)	
i)	Bedded		<ul style="list-style-type: none"> • Incinerator • Plasma Pyrolysis • Autoclaves • Microwave • Hydroclave 	Nil	Nil	Nil

			<ul style="list-style-type: none"> • Shredder • Sharps encapsulation or concrete pit • Deep burial pits • Any other treatment equipment 			
ii)	Non-bedded		<ul style="list-style-type: none"> • Incinerator • Plasma Pyrolysis • Autoclaves • Microwave • Hydroclave • Shredder • Sharps encapsulation or concrete pit • Deep burial pits • Any other treatment equipment 	Nil	Nil	Nil
			Total (in Kg/day)	Nil	Nil	Nil

Annexure-I

b) Bio-medical waste treatment & disposal by CBWTFs (please enclose details as per Annexure-1(b))

Total no. of CBWTFs		Total installed treatment capacity			Total bio medical waste treated in kg/day
In operation	Under Construction	Type of treatment equipment	No.	Total Capacity (in kg/day)	
4	1	Incinerator	5	15960	5803.75
		Plasma Pyrolysis	Nil	NA	NA
		Autoclave	7	11400	8427.17
		Hydroclave	Nil	NA	NA
		Microwave	Nil	NA	NA
		Shredder	9	42000	8427.17
		Sharps encapsulation or concrete pit	4	-	437.137
		Deep burial pits	Nil	NA	NA
		Any other equipment	Nil	NA	NA
		Effluent Treatment Plant	4	81.6 KLD	-91.6

- (8) **Total bio medical waste generation** : 14668 kg/day
- (9) **Total bio-medical waste treated & disposed** : 14668 kg/day
- **By Captive Treatment Facilities by the HCFs** : Nil
 - **By CBWTFs** : 14668 kg/day
- (10) **Total no. of violation by:**
- **HCFs** : 1595
 - **CBWTFs** : 4
- (11) **Show cause notices/directions issued to defaulters:**
- **HCFs** : 1605
 - **CBWTFs** : 8
- (12) **Any other relevant information:**
- a) **No. workshop /trainings conducted during the year** : 67
 - b) **No. of HCFs installed liquid waste treatment facility** : 3567
 - c) **No. captive incinerators complying to the norms** : Not Applicable
 - d) **No. of HCFs organised training** : 373
 - e) **No. of HCFs constituted Bio medical waste Management Committees** : 810
 - f) **No. of HCFs submitted Annual Report** : 4242
 - g) **No. of HCFs practising pre treatment of lab microbiology & Bio technology waste** : 898

b) Information on HCFs having captive treatment facilities (for the year 2016)

Sr. No.	Name & 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	
Nil				Incinerator	NIL
				Autoclaver	NIL
				Deep	NIL
				Burial	NIL
				Any other:	NIL
				Total:	NIL

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

Sr. No	Name & address of the CBWTF with contact person name & telephone no.	GPS coordinates	Cover age area in Kms	Name of the cities/areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Capacity of Treatment equipments installed by CBWTFs			Total bio-medical waste treated (in kg/day)	Method of disposal of treated waste (Incineration/ash/sharp pit)
							Equipment	Nos.	Total installed capacity (kg/day)		
1	M/s Rainbow Environment Pvt. Ltd. , Village Balyali, Mohali (Sh. Sarabjeet Singh, Owner M: +91-98150-75782)	Latitude-30.713863, Longitude-76.678181	More than 150 kms	SAS Nagar, Rupnagar, Fatehgarh Sahib, Nawa Shahar and partially from Jalandhar, Hoshiarpur & Kapurthala districts	2193	16354	Incinerator	2	5160	4041.77	Incineration Ash: Secured Landfill at TSDF Nimbua Glass & Plastics: Sold to recyclers after autoclaving & shredding Metal Sharps: Sharp Pit
							Plasma Pyrolysis	Nil	Nil		
							Autoclave	2	3800		
							Hydroclave	Nil	Nil		
							Microwave	Nil	Nil		
							Shredder	2	1200		
							Sharps encapsulation or concrete pit	1	-		
							Deep burial pits	Nil	Nil		
							Any other equipment	Nil	Nil		
Effluent Treatment Plant	1	21.6 KLD									
2	M/s Amritsar Enviro Care System (P) Ltd. Village	Latitude-31.573741 Longitude-	More than 150	Amritsar, Tarn Taran, Ferozepur, Faridkot and Sri	1239	13521	Incinerator	1	2400	3279.75	Incineration Ash: Secured Landfill at TSDF Nimbua Glass & Plastics:
							Plasma Pyrolysis	Nil	Nil		
							Autoclave	2	3200		
							Hydroclave	Nil	Nil		

	Ibhan Kalan, Chabhal Road, Amritsar (Dr. Inderpal Singh Pasricha M: +91- 98140-55094)	74.834828	kms	Mukatsar Sahib			Microwave	Nil	Nil		Sold to recyclers after autoclaving & shredding Metal Sharps: Sharp Pit
							Shredder	3	3600		
							Sharps encapsulation or concrete pit	2	-		
							Deep burial pits	Nil	Nil		
							Any other equipment	Nil	Nil		
							Effluent Treatment Plant	1	15 KLD		
3	M/s BMWT Trust, Vill. Pangoli, Defence Road, Distt. Pathankot (Sh. Davinder Saini M: +91-98557-62987)	Latitude-32.318229 Longitude-75.669861	Less than 150 kms	Distt. Pathankot & Distt. Gurdaspur, Jalandhar City 50 % + G T Road Dasuya, Tanda, Mukerian & Kapurthala City.	731	7008	Incinerator	1	3600	1315.02	Incineration Ash: Secured Landfill at TSDF Nimbua Glass & Plastics: Sold to recyclers after autoclaving & shredding Metal Sharps: Sharp Pit
							Plasma Pyrolysis	Nil	Nil		
							Autoclave	2	2400		
							Hydroclave	Nil	Nil		
							Microwave	Nil	Nil		
							Shredder	3	8400		
							Sharps encapsulation or concrete pit	1	-		
							Deep burial pits	Nil	Nil		
							Any other equipment	Nil	Nil		
							Effluent Treatment Plant	1	15 KLD		
4	M/s Medicare Environmental Management (P) Ltd., Opp. Central Jail, Ludhiana (Sh. Sunil	Latitude-30.9261240 Longitude-75.9125990	More than 150 kms	Ludhiana, Bathinda, Patiala, Sangrur, Barnala, Mansa, Moga.	2312	20556	Incinerator	1	4800	6031.45	Incineration Ash: Secured Landfill at TSDF Nimbua Glass & Plastics: Sold to recyclers after autoclaving & shredding Metal Sharps:
							Plasma Pyrolysis	Nil	Nil		
							Autoclave	2	5500		
							Hydroclave	Nil	Nil		
							Microwave	Nil	Nil		
							Shredder	2	18000		
							Sharps	3	-		

	Aggarwal, GM M: +91- 98148-01375)						encapsulation or concrete pit			Sharp Pit
							Deep burial pits	Nil	Nil	
							Any other equipment	Nil	Nil	
							Effluent Treatment Plant	1	30-35 KLD	

- **No. of vehicles used for collection of Bio-medical waste:** 73
- **List of HCFs not having membership with the CBWTFs & neither having captive treatment facilities:** 1187
- **No. of Accidents:**
 - i) **Reported:** Nil
 - ii) **Remedial measures taken:** Nil