



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
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HSPCB

No. HSPCB/C-6/2017/ 6816
To

Dated: 30/10/17


The Additional Director & Nodal Officer WMD-I
Central Pollution Control Board, Parivesh Bhawan,
East Arjun Nagar, Delhi-110032

Subject:- Submission of Annual Report on Bio Medical Waste Management for the year 2016 in compliance to the Bio Medical Waste Management Rules, 2016.

Please refer to your letter no. Fno. B-31011/BMW (2.21)/2017/WMD-I/7950 dated 17.08.2017 on the subject noted above.

Please find enclosed herewith a copy of Annual Report on Bio Medical Waste Management for the year 2016 in compliance to the Bio Medical Waste Management Rules, 2016 for information & necessary action please.

DA/As above


Environmental Engineer (HQ)
For Member Secretary

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Annual report for the year 2016 for the state of Haryana under BMW Rules, 2016

(1) Name of the State Pollution Control Board / Pollution Control Committee		Haryana State Pollution Control Board	
(2) Name of the Nodal Officer with contact telephone no. & e-mail		Nirmal Kumar, Environmental Engineer, Contact no. 9953764159, E-mail id.: hspcbeehq@gmail.com	
(3) Total no. of HCFs		3167	
(i) Bedded		2319	
(ii) Non-bedded		848	
(4) Total no. of beds:		47370	
(5) Status of authorisation		0	
a) Total no. of HCFs applied for authorisation		3143	
b) Total no. of HCFs granted authorisation		3138	
c) Total no. of application under consideration		1	
d) Total no. of application rejected		4	
e) Total no. of HCFs in operation without applying for authorisation		24	
(6) Quantity of Bio-medical Waste Generation (in kg/day)		--	
a) Bio-medical waste generation by bedded hospitals(in kg/day)		10346.55	
b) Bio-medical waste generation by non-bedded hospitals (in kg/day)		824.5983	
c) Any other		0	
Total		11171.02	

7 (a) Captive bio-medical waste treatment & disposal by HCFs (please enclose details as per Annexure-I(a))

S. No.	Healthcare Facility	Treatment & 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	1 (PGIMS, Rohtak)	•Incinerator	1	4560	240.52
			•Plasma Pyrolysis	0	-	-
			•Autoclaves	1	50 Kg/batch	41.36
			•Microwave	0	-	-
			•Hydroclave	0	-	-
			•Shredder	1	960	39.45
			•Sharps encapsulation or concrete pit	1	32.8	2.2
			•Deep burial pits	0	-	-
			•Any other treatment equipment	0	-	-
			(ii)	Non-bedded	0	•Incinerator
•Plasma Pyrolysis	-	-				-
•Autoclaves	-	-				-
•Microwave	-	-				-
•Hydroclave	-	-				-
•Shredder	-	-				-
•Sharps encapsulation or concrete pit	-	-				-
•Deep burial pits	-	-				-
•Any other treatment equipment	-	-				-

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

Total no. of CBWTFs		Total installed treatment capacity			Total bio-medical waste treated in kg/day
In operation	Under Construction	Type of treatment equip	No.	Total Capacity (in kg/day)	
11	0	Incinerator	11	25362.7	5695.7
		Plasma Pyrolysis	0	0	0
		Autoclave	11	20515	3009.87
		Hydroclave	0	0	0
		Microwave	0	0	0
		Shredder	11	22200	2223.88
		Sharps encapsulation or concrete pit	6	2660.92	1402
		Deep burial pits	1	0	0.5
		Any other equipment	0	0	0
		Effluent Treatment Plant	11	48	37.2
		Total			

(8)	Total bio-medical waste generation	12045.3
(9)	Total bio-medical waste treated & disposed (in kg/day)	283.9
	By Captive Treatment Facilities by the HCFs	11761.4
	By CBWTFs	
(10)	Total no. of violation by:	
	HCFs	256
	CBWTFs	1
(11)	Show cause notices/directions issued to defaulters:	
	HCFs	256
	CBWTFs	1
(12)	Any other relevant information:	
a)	No. of workshops / trainings conducted during the year	28
b)	No. of HCFs installed liquid waste treatment facility	29
c)	No. of captive incinerators complying to the norms	1
d)	No. of HCFs organised trainings	0
e)	No. of HCFs constituted Bio-medical Waste Management Committees	0
f)	No. of HCFs submitted Annual Report	2873
g)	No. of HCFs practising pre-treatment of lab microbiology & Bio-technology	5

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(a) Information on HCFs having captive treatment facilities (for the Year 2016)												Annexure-1a	
S. 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	
		Yellow	Red	Blue	White	Total bio-medical waste generated (in kg/day)	Incinerator	Autoclave	Deep Burial	Any other			
1	PT. B.D.S. PHIMS, Rohak	240.53	39.45	2.19	1.92	284.09	4560	1200	.	52.8	Total	284.09	
							Incinerator:					240.53	
							Autoclave:					41.36	
							Deep Burial:					.	
							Any other:					2.2	

B) Information on Common Bio-medical Waste Treatment & Disposal Facilities (for the year January, 2016 to December, 2016)

S.No.	Name & address of the HCFS with contact person and telephone no.	GPS coordinates	Coverage in KMS	Name of cities/areas covered by CBWTF	Total no. of HCFS	Total no. of beds covered	Total Quantity 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/Plastic)	
								Equipment	N of installed capacity (kg/day)			
1	Divya Waste Management Co., VPO Kandela, District Jind, Sh. Ishwar Gulla, Mob No. 94165-28174	Latitude- 29.1233, Longitude- 76.4167	130 KM	Jind, Sonapat, Panipat	380	5646	730.09 Kg/Day	Incinerator	1	100 Kg/hr	730.09 Kg/Day	Incineration Ash: Quantity: 100 kg/month Disposed by : GEPIL
								Plasma Pyrolysis	0	0		
								Autoclave	1	30 Kg/hr		
								Hydroclave	0	0		
								Microwave	0	0		
								Shredder	1	100 Kg/hr		
Sharps encapsulations or concrete pits	0	0	Disposed by: Sharp Pit									
Any other equipment	0	0	Plastics: Quantity: Disposed by: Sold to Vendors									
Effluent treatment plants	1	1 KLD										
Sub-total											ETP Sludge: Quantity: 42 kg/month Disposed by: GEPIL	

S.No.	Name & address of the HCfs with contact person and telephone no.	GPS coordinates	Coverage Area in KMS	Name of cities/towns covered by CBWTF	Total no. of HCfs being covered	Total no. of beds covered	Total Quantity 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/Plastic)
								Equipment	No. installed	Total capacity (kg/day)		
2	Manuti Bio Medical Waste, Village Helampura, Bhiwani, Sh. KarshiRam, Mob No. 98126-79722	Latitude- 28.79 9053 5, Longitude- 76.13 3502 2	140	Bhiwani, Ch. Dedi, Mohi Nagar	261	3309	1258.94 Kg/Day	Incinerator Plasma Pyrolysis Autoclave Hydroclave Microwave Shredder Sharps encapsulations or concrete pits Deep burial pits	1 0 0 0 0 0 1 0 0	100 Kg/hr 0 30 Kg/hr 0 0 0 100 Kg/hr 0 0 0	1258.94 Kg/Day	Incineration Ash Quantity: 155 kg/month Disposed by : GEPIL Sharps: Quantity: Disposed by: Sharp Pit Plastics: Quantity: Disposed by: Sold to Vendors ETP Sludge: Quantity: 47kg/ month Disposed by: GEPIL
								Any other equipment Effluent treatment plants Sub-total	0 1 0	0 1 KLD 0		

Annexure-1b

Sl. No.	Name & address of the HCFA with contact person and telephone no.	GPS coordinates	Cover area in KMS	Name of cities/towns covered by CBWTF	Total no. of HCFA beds covered	Total no. of beds covered	Total Quantity of BMW collected from member HCFA (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/Plastic)
								Equipment	No. installed	Total installed capacity (kg/day)		
3	M/s Golden Eagle waste management co. VPO Jasara Opposite Aravali college Fardabad	Latitude: 28.390427, Longitude: 77.41193	75 km	Ballaigarh, Palwal, Fardabad, Meera	746	8379	1237	Incinerator Plasma Pyrolysis Autoclave Hydroclave Microwave Shredder Sharps encapsulations or concrete pit Deep burial pits Any other equipment Effluent treatment plants Sub-total	1 0 0 1 0 0 0 0 0 1 0 0 0	1400 0 1400 0 0 1400 0 0 0 0 3 KLD	1237	Incineration Ash Quantity: 3.325 tons Disposed by: GEPIL Sharps: Quantity: Disposed by: Plastics: Quantity: Disposed by: ETP Sludge: Quantity: 1618 Kg Disposed by: GEPIL

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S.No.	Name & address of the HCFs with contact person and telephone no.	GPS Coordinates	Covered area in KMS	Name of cities/areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total Quantity 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/Plastic)	
								Equipment	No. installed			Total installed capacity (kg/day)
4	M/s Synergy Waste Management Pvt. Ltd., 168, sec-27 & 28, HUDA, I.A. Hisar	Latitude- 28° 07'44.37"N Longitude- 75° 47'37.6"E	50-60 km. approx	Hisar	236	1999	768.1	Incinerator	1	962.7	768.1	Incineration Ash: Quantity: 5 Kg/day Disposed by : GEPIL
								Plasma Pyrolysis	0	0		
								Autoclave	1	300		
								Hydroclave	0	0		
								Microwave	0	0		
								Shredder	1	500		
Sharps encapsulation or concrete pit	1	Concrete pit										
Deep burial pits	0	0										
Any other equipment	4	Needle destroyer										
Effluent treatment plants	1	15 KLD										
Sub-total												
												Quantity: 396 kg/month Disposed by: GEPIL

S.No	Name & address of the HCFS with contact person and telephone no.	GPS coordinates	Cover area in KMS	Name of cities/area covered by CBWTF	Total no. of HCF beds covered	Total no. of beds covered	Quantity 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/Plastic)	
								Equipment	No. installed			Total installed capacity (kg/day)
5	Invision Enviro Services Village Phulkan District Sirsa	Latitude- 29.51 0114 Longitude- 75.12 6848 0	120 km	Fatehabad, Sirsa	172	4758	290.59	Incinerator	1	1200	290.59	Incineration Ash: Quantity: 150 kg/month Disposed by :GEPIL
								Plasma	0	0		
								Pyrolysis				
								Autoclave	1	2400		
								Hydroclave	0	0		
								Microwave	0	0		
								Shredder	1	600		
Sharps encapsulations or concrete pits	1	Concrete pit										
Deep burial pits	0	0										
Any other equipment	0	0										
Effluent treatment plants	1	5 KLD										
Sub-total												ETP Sludge: Quantity: 300 kg/month Disposed by: GEPIL

Annexure-I b

S.No.	Name & address of the HCFS with contact person and telephone no.	GPS coordinates	Covered Area in KMS	Name of cities/towns covered by CBWTF	Total no. of HCFS being covered	Total no. of beds covered	Total Quantity 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/Plastic)	
								Equipment	No. installed			Total installed capacity (kg/day)
6	Surya Waste Management, Sahu wala road village Chadawal, Sirsa	Latitude- 29.43 7705 Longitude- 75.14 34830	150 km	Government Hospital Sirsa, Kaithal	140	2918	273,71	Incinerator	1	2400	273,71	Incineration Ash:
								Plasma	0	00		
								Pyrolysis				
								Autoclave	1	4400		
								Hydroclave	0	0		
								Microwave	0	0		
								Shredder	1	1100		
Sharps encapsulation or concrete pit	1	Concrete Pit										
Deep burial pits	0	0										
Any other equipment	0	0										
Effluent treatment plants	1	5 KLD										
Sub-total												
								Quantity: 11842 Kg/annum			Disposed by: Recycler	
								Quantity: 25Kg/annum			ETP Sludge:	
								Disposed by: Sharp Pit			Quantity: 1247 Kg/annum	
								Plastics:			Disposed by : GEPIL	
								Quantity: 300 Kg/annum			Disposed by: Sharp Pit	
								Quantity: 1247 Kg/annum			Disposed by : GEPIL	

Annexure-1b

Sl. No.	Name & address of the HCFS with contact person and telephone no.	GPS coordinates	Coverage in KMS	Name of cities/area covered by CBWTF	Total no. of HCFS covered	Total no. of beds covered	Total Quantity 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/Plastic)	
								Equipment	No	Total installed capacity (kg/day)			
7	M/s Vulcan Waste Management Pvt. Ltd. Dardama Road Bhandasi Gurugram	Latitude- 28.34 6096 5167 0554 7, Longitude- 77.07 7777 8622 859	100 km	Gurugram, Rewari	547	8387	4228	Incinerator	1	150 Kg/hr	4228	Incineration Ash	
								Plasma Pyrolysis	0	0			
								Autoclave	1	200 Kg/batch			Quantity: 11400 kg/month Disposed by : GEPIL
								Hydroclave	0	0			
								Microwave	0	0			
								Shredder	1	250 Kg/hr			
								Sharps encapsulations or concrete pits	1	3-4			
								Deep burial pits	0	0			
								Any other equipment	0	0			
								Efluent treatment plants	1	5 KLD			
Sub-total												ETP Sludge: Quantity: 60 kg/month Disposed by: GEPIL	

S.No.	Name & address of the HCFs with contact person and telephone no.	GPS coordinates	Cover area in KMS	Name of cities / areas covered by CBWTF	Total no. of HCFs belonging to covered	Total no. of beds covered	Total Quantity 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/Plastic)	
								Equipment	No. of installed capacity (kg/day)			
8	M/s Haat Supreme wastech pvt. Ltd. vill. Bazida jattan near railway crossing karnal	Latitude 29.63, 2045, Longitude 76.95 6947	60 km	Karnal TF	173	1956	132 Kg/Day	Incinerator	1	1400	132	Incineration Ash: Quantity: 2.4 Vannuam Disposed by : gepil
								Plasma Pyrolysis	0	0		
								Autoclave	1	325		
								Hydroclave	0	0		
								Microwave	0	0		
								Shredder	1	600		
								Sharps encapsulation or concrete pit	0	0		
								Deep burial pits	1	1600 cubic feet		
Any other equipment		0	0									
Effluent treatment plants		1	1 KLD									
Sub-total											ETP Sludge: Quantity: 10 kg/day Disposed by: Gepil	

S.No.	Name & address of the HCFS with contact person and telephone no.	GPS coordinates	Cover area in KMS	Name of cities/areas covered by CBWTF	Total no. of HCFS being covered	Total no. of beds covered	Total Quantity 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/Plastic)		
								Equipment	No installed capacity (kg/day)				
9	Ess Kay Hygienic services v.p.o bagwala Tehsil Barwala Panchkula	Latitude 30.49 043, Longitude 76.99 647	90 km	Panchkula, Yamuna Nagar	469	3247	863.6	Incinerator	1	150 Kg/hr	863.6	Incineration Ash:	
								Plasma Pyrolysis	0	0			
								Autoclave	1	25 Kg/hr			Quantity: 0.1 ton/annum
								Hydroclave	0	0			
								Microwave	0	0			Disposed by : gepil
								Shredder	1	250 Kg/hr			
								Sharps encapsulations or concrete pit	0	0			Sharps: Quantity:
Deep burial pits	0	0	Disposed by: Sharp Pvt										
Any other equipment	0	0	Plastics: Quantity: 142.3 kg/day										
Effluent treatment plants	1	5 KLD	Disposed by: Sold to Vendors										
Sub-total											ETP Sludge: Quantity: 170 kg/month	Disposed by: GEPL	

Sl. No.	Name & address of the HCFs with contact person and telephone no.	GPS Coordinates	Cover Area in KMS	Name of cities/towns covered by CBWTF	Total no. of HCFs covered	Total no. of beds covered	Total Quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by		Total bio-medical waste treated in (kg/day)	Method of Disposal of treated wastes (Incineration Ash/ Sharps/Plastic)	
								Equipment	No. Installed capacity (kg/day)			
1	M/s Rudraksh Envirocare Pvt. Ltd., VPO Bhadog, Tehsil Naraingarh, Ambala	Latitude 30°24'9.48" N Longitude 76°55'38.90"E	70 Km.	Kurukshetra, Ambala	275	3700	1129 Kg/Day	Incinerator	1	150 Kg/hr	1129	Incineration Ash: Quantity: 0.2 T/annum Disposed by : GEPIL
								Plasma Pyrolysis	0	0		
								Autoclave	1	200 Kg/hr		
								Hydroclave	0	0		
								Microwave	0	0		
								Shredder	1	45 Kg/hr		
								Sharps encapsulations or concrete pits	0	0		
Deep burial pits								0	0			
Any other equipment								0	0			
Effluent treatment plants								1	4 KLD			
Sub-total												
ETP Sludge:												
Quantity: 50 Kg/month												
Disposed by: GEPIL												

Annexure - 1b

S.No	Name & address of the HCFs with contact person and telephone no.	GPS Coordinates	Coverage Area in KMS	Name of cities / areas covered by CBWTF	Total no. of HCF beds covered	Total no. of beds covered	Total Quantity 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/Plastic)	
								Equipment	No. installed			Total installed capacity (kg/day)
1	M/s S.D Bio Medical Waste Management Co., Vill. Baland, Rohtak	Latitude- 28.80 9513 Longitude- 76.57 7927	75 Km.	Jhajja, Rohtak	266	2293	243.08 Kg/Day	Incinerator	1	100 Kg/hr	243.08	Incineration Ash: Quantity: 25 Kg/day Disposed by : GEPIL
								Plasma Pyrolysis	0	0		
								Autoclave	1	50 Kg/batch		
								Hydroclave	0	0		
								Microwave	0	0		
								Shredder	1	50 Kg/hr		
								Sharps encapsulations or concrete pit	1	250 blocks/month		
Deep burial pits	0	0										
Any other equipment	0	0										
Effluent treatment plants	1	2.5 KLD										
Sub-total												Quantity: 47.37 Kg/day Disposed by: authorized recycler
Sub-total												ETP Sludge: Quantity: 2 Kg/day Disposed by: GEPIL

No. of vehicles used for collection of Bio-medical Waste:	-	39
List of HCFs not having membership with the CBWTFs & Neither having captive treatment facilities:	-	70
No. of training organized by the CBWTF:	-	29
No. of Accidents:	-	NIL
(i) Reported:	-	NIL
(ii) Remedial measures taken:	-	NIL