

**Bio-medical Waste Management  
Annual Report – 2019  
(Period 01.01.2019-31.12.2019)  
Form IV A**

(1)	Name of the Organisation	:	Rajasthan State Pollution Control Board
(2)	Name of the Nodal Officer with contact telephone number and e-mail	:	Shri Vishnu Datt Purohit, 7023118809, bmw.rpcb@gmail.com
(3)	Total no. of Health Care Facilities / Occupiers	:	8100
(i)	Bedded Hospitals and Nursing Homes (bedded)	:	5667
(ii)	Clinics, dispensaries	:	1131
(iii)	Veterinary institutions	:	129
(iv)	Animal houses	:	0
(v)	Pathological laboratories	:	1146
(vi)	Blood banks	:	22
(vii)	Clinical establishment	:	0
(viii)	Research Institutions	:	1
(ix)	AYUSH	:	4
(4)	Total no. of beds	:	134090
(5)	Status of authorisation	:	
(i)	Total number of Occupiers applied for authorisation	:	3702
(ii)	Total number of Occupiers granted authorisation	:	3154
(iii)	Total number of application under consideration	:	678
(iv)	Total number of applications rejected	:	13
(v)	Total number of Occupiers in operation without applying for authorisation	:	888
(6)	Quantity of Bio-medical Waste Generation (in kg/day) (please enclose District Wise Bio-medical Waste Generation as per Part-2)	:	
(i)	Bio-medical waste generation by bedded hospitals(in kg/day)	:	19481.919
(ii)	Bio-medical waste generation by non-bedded hospitals (in kg/day)	:	1140.749
(iii)	Any other	:	62.98
<b>Total</b>			<b>: 20685.65 Kg/day</b>

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(7)	Bio-medical waste treatment and disposal	
(a)	By Captive bio-medical waste treatment and disposal by Health Care Facilities (please enclose details as per (Part-3)	
(i)	Number of Health Care Facilities having captive treatment and Disposal facilities	: 847
(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in kg/day	: 2187.65
(b)	Bio-medical waste treatment and disposal by Common Bio Medical Waste Treatment Facilities (please enclose details as per Part 4)	
(i)	Number of Common Bio Medical Waste Treatment Facilities in Operation	: 08
(ii)	Number of Common Bio Medical Waste Treatment Facilities under construction	: 07
(iii)	Total bio-medical waste treated in kg/day	: 16320.877
(iv)	Total treated bio-medical waste disposed through authorised recyclers ( in Kg/day)	: 151
(8)	Total no. of violation by	: 364
(i)	Health Care Facilities (bedded and non-bedded)	: 361
(ii)	Common Bio Medical Waste Treatment Facilities	: 3
(iii)	Others (please specify)	: 0
(9)	Show cause notice/ direction issued to defaulter	: 2573
(i)	Health Care Facilities (bedded and non-bedded)	: 2570
(ii)	Common Bio Medical Waste Treatment Facilities	: 3
(iii)	Others (please specify)	: 0
(10)	Any other relevant information	:
(i)	Number of workshops / trainings conducted during the year	: 4
(ii)	Number of occupiers installed liquid waste treatment facility	: 71
(iii)	Number of captive incinerators complying to the norms	: 0
(iv)	Number of occupiers organised trainings	: 679
(v)	Number of occupiers constituted Bio-medical Waste Management Committees	: 722
(vi)	Number of occupiers submitted Annual Report for the previous calendar year	: 1809
(vii)	Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste	: 1197
(viii)	Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems	: 7



**Part 2: District-wise Bio-medical Waste Generation (for the previous calendar year 2019)**

S. No	Name of the State / Union Territory	Name of the District	Bio-medical Waste Generation (in Kg/day)	Existing Total bio-medical waste treatment capacity (both captive and CBMWTF)in kg/day	
				Equipment	Total
				Incinerator:	
				Autoclave:	
				Deep	
				Burial:	
				Any other:	
	Rajasthan	Barmer	761.375		
		Jalore	632.625		
		Pali	163.7		
		Sirohi	93.02		
		Baran	190		
		Jhalawar	505		
		Kota	1190		
		Bundi	165		
		Bhilwara	798.3		
		Rajsamand	304.7		
		Sikar	476.22		
		Jhunjhunu	476.04		
		Churu	314.4		
		Jaipur	8275.5		
		Dausa	489.5		
		Jodhpur	990.88		
		Jaisalmer	132.75		
		Alwar	929.5		
		Bharatpur	231		
		Dholpur	262		
		Karauli	107		
		Sawaimadhampur	211		
		Ajmer	557.86		
		Nagaur	177.5		
		Tonk	198.94		
		Udaipur	452		
		Dungarpur	91		
		Chittorgarh	117		
		Banswara	55.2		
		Pratapgarh	47.8		
		Hanumangarh	358.5		
		Sriganganagar	515.2		
		Bikaner	417.1		

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**Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2019)**

S. No.	Name and address of the Health Care Facility	Quantity of Bio-medical Waste Generation (in kg/day)					Total Installed Treatment Capacity in kg/day					Total bio-medical treated and disposed by Health Care Facilities in Kg/day	
		Yellow	Red	Blue	White	Total Bio-medical waste generated (in Kg/day)	Incinerator	Autoclave	Deep burial	Any other			
												Incinerator :	
												Autoclave :	
												Deep :	
												Burial :	
												Any other :	
1	847	1454.7651	408.4618	134.5732	189.6259	2187.426	0	0	2187.426			Total :	2187.426

As per policy, the State Board is not allowing captive BMW treatment facilities where a common bio-medical waste treatment facility is operating within the prescribed area. However, the deep burial pits are constructed in rural areas where a common bio-medical waste treatment facility is not available.

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**Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2019)**

S.No	Name and Address of The Common Bio Medical Waste Treatment Facilities With contact person name and telephone number	GPS Coordinates	Coverage Area in KMS	Name of the cities/ areas covered by Common Bio-Medical Waste Treatment Facilities	Total number of Health Care Facilities being covered	Total number of beds covered	Total Quantity of Bio Medical Waste collected From member Health Care Facilities (in Kg/day)	Capacity of Treatment equipments installed by Common Bio Medical Waste Treatment Facilities			Total Bio-Medical Waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastic)
								Equipment	Nos.	Total installed capacity (kg/day)		
1	E Tech Project Abohar Bye Pass Road Hanumangarh Junction Sh. Ghanshyam Rajpurohit 9352680001	Hanumangarh Lat. 29.642939N Log. 74.315853 E	150	Hanumangarh and Sriganganagar	590	6547	751.30	Incinerator	1	2400	699.25	Incineration Ash: Deep Quantity: 17.4kg/day Disposed By : landfill
								Plasma Pyrolysis Autoclave	1	600		
								Hydroclave				Plastics: Quantity : 20kg/day Disposed By : Recycler
								Microwave				
								Shredder	1	600	21.20	
								Sharps encapsulation or concrete pit	1		9.00	
								Deep burial pits	1			
								Any Other equipment				
								Effluent Treatment plant	1	1000 litre/day	1 KLD	
								Sub-total	6			

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2	E tech Project Bikaner Pokar Quarter No. 10, Opp. Jail Well, Bikaner  Manish Rajpurohit 9314442517	Bikaner Lat. 27.59.58 N Log. 73.18.42E	150	Bikaner, Churu & Nagour	517	9160	530 kg/day 200 litre/day	Incinerator	1	2000	520	Incineration Ash: Quantity: 25kg/day Disposed By : Landfill  Sharps : Quantity : 2-3 kg/day Disposed By Sharp pit  Plastics: Quantity : 10 kg/day Disposed By Recycler  ETP Sludge: Quantity: 6 kg/day Disposed by: landfill
								Plasma Pyrolysis Autoclave	1	250	6-7	
								Hydroclave				
								Microwave	1	350	2-3	
								Shredder				
								Sharps encapsulation or concrete pit				
								Deep burial pits				
								Any Other equipment				
								Effluent Treatment plant	1	1000 litre/day	200 litre/day	
								Sub-total	4			
3	M/s Envision Enviro Engineers Pvt. Ltd., Plot No. 5008, Village Umarda, Tehsil Girwa, Udaipur  Tel. No. (0294)2481513 Mobile 9428001868	150 Km radius	Udaipur, Dungarpur, Banswara, Chittorgarh, Pratapgarh, Rajsamand, Sirohi	903	9462	979.93	Incinerator	1	50Kg/Hr	843.58	Incineration Ash: Quantity: 9237 kg/annum Collection, storage & disposal through secured landfill site  Sharps : Quantity : Disposed By  Plastics: Quantity : Disposed By  ETP Sludge: Quantity: Disposed by:	
							Plasma Pyrolysis Autoclave	1	50Kg/Hr	136.09		
							Shredder	1	50 Kg/Hr			
							Hydroclave					
							Microwave			0.25		
							Sharps encapsulation or concrete pit					
							Deep burial pits					
							Any Other equipment					
							Effluent Treatment plant	1	10 m <sup>3</sup> /hr			
							Sub-total	4				
4	Sales Promoter ADB Site, Sendriya, Jaipur Bye Pass Road, Ajmer	NA	150 Km	Ajmer, Bhilwara	478	8678	907	Incinerator	1	100Kg/Hr	727 kg	Incineration Ash: Quantity: 7.5 kg/day Disposed by: Landfill
								Plasma Pyrolysis Autoclave	1	40-80	82 kg	

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							Kg/Hr					
							Hydroclave				Sharps : Quantity: Disposed By:	
							Microwave				Plastics: Quantity: Disposed By:	
							Shredder	1	40 Kg/Hr	98 kg	ETP Sludge: Quantity: 500 litre Disposed By:	
							Sharps encapsulation or concrete pit	1	7*7*4			
							Deep burial pits					
							Any Other equipment					
							Effluent Treatment plant	1	4.5 KLD			
							Sub-total	5				
5	Sales Promoter CBWTF, Nagar Nigam Land Fill Site, Barli Post Jodhpur 342001  Mr. Anuvind Harkawat Ph: 6376583508	26.3027428 72.8976945	150 Km	Jodhpur	606	9860	1053.58	Incinerator	1	100Kg/Hr	302737.94 kg/annum	Incineration Ash: Quantity: 3335.12 kg Disposed in municipal land fill
							Plasma Pyrolysis					Sharps : Quantity : Disposed By
							Autoclave	1	40 Kg/cycle	35077.88 kg/annum	Plastics: Quantity : Disposed By	
							Hydroclave				ETP Sludge: Quantity: 2400 litre Disposed: Incinerator	
							Microwave					
							Shredder	1	40 Kg/Hr	35077.88 kg/annum		
							Sharps encapsulation or concrete pit	1	7*7*4	21830.60 Kg/annum		
							Deep burial pits					
							Any Other equipment					
							Effluent Treatment plant	1	4.5 KLD			
							Sub-total	5				
6	Hoswin Incinerator Village Rundh, Dhuminath, Near MIA, Alwar  Sh. Arvind Bhardwaj Ph. 8875693666		150 km	Alwar, Bharatpur, Karauli, Sawaimadhopur, Tonk, Kota, Bundi, Bhiwadi	809	16026	1740	Incinerator	1	100 kg/hr	1266	Incineration Ash: Quantity: 1500 kg Disposed by ash pit
							Plasma Pyrolysis					Sharps : Quantity : 100 kg Disposed By
							Autoclave	1	20 kg/hr	403	Plastics: Quantity : 102 kg Disposed By	
							Hydroclave				ETP Sludge:	
							Microwave					
							Shredder	1	20 kg/hr	214		
							Sharps encapsulation or concrete pit and Deep burial pits	1				
							Any Other					

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									equipment Effluent Treatment plant	1	5 KLD	01	Quantity: 500 kg Disposed by:
7	M/s Hoswin Incinerator Pvt. Ltd Khanpur Road, Dhanbada Jhalawar  Sh. Goverdhan Patidar Ph. 9660200580		150 km	Jhalawar, Baran, Kota, Bundi, Rawatbhata city	432	9979	1570	Sub-total Incinerator	5 1		100 Kg/hr	1570	Incineration Ash: Quantity: 1500 kg Disposed by in landfill  Sharps : Quantity : 445 kg Disposed By concrete pit  Plastics: Quantity : 12410 kg Disposed By sold to recyclers  ETP Sludge: Quantity: 1248 kg Disposed by: Incineration
								Plasma Pyrolysis Autoclave			55 Kg/Hr		
								Hydroclave Microwave					
								Shredder	1		50 Kg/hr		
								Sharps encapsulation or concrete pit	1				
								Deep burial pits					
								Any Other equipment					
								Effluent Treatment plant	1		500 Ltr/Hr		
								Sub-total Incinerator	5 1		250 Kg/hr	1733147 kg/annum	Incineration Ash: Quantity: 16331.316 kg/month Disposed by:
8	M/s Instromedix India Pt. Ltd. Village Khori Ropada, Jaipur Agra Highway, Tehsil Sanganer, Jaipur  Sh. Hinanshu Suri Ph. 0141-278780	Long :- 26.869477 Lat 75.919757	75 Km	Jaipur, Dausa, Sikar, Jhunjhunu, Churu	2334	38263	8220.327	Plasma Pyrolysis Autoclave			150 Kg/Hr	559627 kg/annum	Sharps : Quantity : Disposed By
								Hydroclave Microwave					Plastics: Quantity : Disposed By
								Shredder	2		150 Kg/hr	515918 kg/annum	
								Sharps encapsulation or concrete pit	1		2000 Kg/Day	695227 kg/annum	
								Deep burial pits	1		500-550 Kg/Day	11945.78 kg/annum	ETP Sludge: Quantity: 821.916 kg/month Disposed by:
								Any Other equipment					
								Chemical Disinfection	1		2000 Ltr/Hr	2195526.465 ltr/annum	
								Effluent Treatment plant					
								Sub-total	8				

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- (a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities: 72
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities:
- (c) Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators: 54
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities: 00

A handwritten signature in blue ink, appearing to be 'D. K.', is located below the list items.