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By Speed Post

	<p>DELHI POLLUTION CONTROL COMMITTEE II Floor, Vikas Bhawan II, Upper Bela Road, Civil Lines, Delhi - 54. ( visit us at website : <a href="http://dpcc.delhigovt.nic.in/">http://dpcc.delhigovt.nic.in/</a> )</p>
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F. No. DPCC/BMW/AR/ 1323 6 4 39

Dated: 26.06.19

To,  
*cd*  
**The Member Secretary,**  
Central Pollution Control Board,  
Parivesh Bhawan,  
East Arjun Nagar, Delhi- 110032

**Sub: Annual Report on Bio-medical Waste Management as per BMWI Rules, 2016 w.r.t. NCT of Delhi for the calendar year 2018 (01/01/2018 to 31/12/2018).**

Sir,

Please find enclosed herewith Annual Report on Bio-medical Waste Management as per Bio-medical Waste Management Rules, 2016 w.r.t. NCT of Delhi for the calendar year 2018 (01/01/2018 to 31/12/2018).

This is being issued as per the approval of Member Secretary, DPCC.

Yours Faithfully,  
*Ajeeta*  
(Ajeeta Dayal Agrawal)  
SEE (WMC I)

Copy to.

1. Addl. Director, CPCB, Parivesh Bhawan, East Arjun Nagar, Delhi-110032
2. PS to Chairman: For kind information of Chairman please.
3. PA to MS, DPCC: For kind information of MS please

*dc*

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**Central Pollution Control Board (Ministry of Environment Forest & Climate Change)**  
**Waste Management Division, Delhi - 110032**

Annual Report Information on Bio-medical Waste Management for the period January, 2018 to December, 2018

(1)	Name of the Organization	:	Delhi Pollution Control Committee
(2)	Name of the Notal Officer with contact telephone number and e-mail	:	Mrs. Ajeeta Dayal Agrawal +91-9717593511 ajeeta.hg@shoo.com
(3)	<b>Total no. of Health Care Facilities / Occupiers</b>	:	2867* - 3562** - 6429†
(i)	Bedded Hospitals and Nursing Homes (bedded)	:	496* + 604** = 1100
(ii)	Clinics, dispensaries	:	695* - 650** = 1345
(iii)	Veterinary institutions	:	30* - 26** = 56
(iv)	Animal houses	:	19* + 0** = 19
(v)	Pathological laboratories	:	597* + 735** = 1332
(vi)	Blood banks	:	05* + 06** = 11†
(vii)	Clinical establishment	:	995* - 1501** = 2496
(viii)	Research Institutions	:	28* - 40** = 68
(ix)	AYUSH	:	02* + 0** = 02
(4)	<b>Total no. of beds</b>	:	22861* + 31324** = 54185
(5)	<b>Status of authorization</b>	:	
(i)	Total number of Occupiers applied for authorization in 2018	:	1002
(ii)	Total number of Occupiers granted authorization in 2018	:	818†
(iii)	Total number of application under consideration	:	633†
(iv)	Total number of applications rejected	:	0
(v)	Total number of Occupiers in operation without applying for authorisation	:	6429 - 4319 = 2110
(6)	Quantity of Bio-medical Waste Generation (in kg/day) (please enclose District Wise Bio-medical Waste Generation as per Part-2)	:	14300* + 12021** + 436.5*** = 26757.5 KG/Day
(i)	Bio-medical waste generation by bedded hospitals (in kg/day)	:	9200 + 10450 = 19650 Kg/Day
(ii)	Bio-medical waste generation by bedded hospitals (in kg/day)	:	26757.5 - 19650 = 7107.5
(iii)	Any other	:	

\* Biotic Waste Solutions Pvt. Ltd

\*\* SMS Water Grace Bmw Pvt. Ltd

† Stand alone Blood Banks

- The figure includes disposal of applications pertaining to previous years also

†- The figure contains pending applications from previous years also.

‡ The figures mentioned are of the facilities registered with CBWTF. Figure available in DPCC (upto 31<sup>st</sup> Dec 2018) is less ie 4319. This is due to the fact that prior to BMW Rules, 2016 non bedded HCF treating less than 1000 patients per month were not required to obtain authorization from DPCC but were required to dispose off the waste through CBWTF. Now, DPCC is in the process of initiating action on all the unregistered HCFs in Delhi.

\*\*\* 436.5 kg/day is the waste generated, treated and disposed off by captive facilities.

  
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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) No. of HCFs having captive treatment and Disposal facilities : 3

(ii) Total bio-medical waste treated and disposed by captive treatment facilities in kg/day : 436.5

(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 : 2

(ii) Number of Common Bio Medical Waste Treatment Facilities under construction : 0

(iii) Total bio-medical waste treated in kg/day : 14300<sup>\*\*</sup> + 12021<sup>\*\*^</sup> = 26321

(iv) Total treated bio-medical waste disposed through authorized recyclers (in Kg/day) : 6500<sup>\*\*</sup> - 3739<sup>\*\*^</sup> = 10239

(8) Total no. of violation by

(i) Health Care Facilities (bedded and non-bedded) : 412

(ii) Common Bio Medical Waste Treatment Facilities : 1

(iii) Others (please specify)

(9) Show cause notice/ direction issued to defaulters

(i) Health Care Facilities : 412

(ii) Common Bio Medical Waste Treatment Facilities : 1

(iii) Others : -

(10) Any other relevant information

(i) Number of workshops / trainings conducted during the year : 1<sup>\*\*</sup>

(ii) Number of occupiers installed liquid waste treatment facility : 137

(iii) Number of captive incinerators complying to the norms : 0

(iv) Number of occupiers organized trainings : 151<sup>\*\*^</sup>

(v) Number of occupiers constituted Bio-medical Waste Management Committees : 151<sup>\*\*^</sup>

(vi) Number of occupiers submitted Annual Report for the previous calendar year : 577<sup>\*\*^</sup>

(vii) Number of occupiers practicing pre-treatment of lab microbiology and Bio-technology waste : 140<sup>\*\*^</sup>

(viii) Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems : 2

<sup>\*\*</sup> In addition to the training conducted by DPCC, DPCC officials have been involved in most of the trainings conducted by CDMO's at district level.

<sup>\*\*^</sup> The number may vary as last date for submission of Annual report for HCF is 30.06.2019 for the calendar year 2018

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Part 2: District-wise Bio-medical Waste Generation (for the previous calendar year 2018)

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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 =	
			Yellow	Red	Blue	White	Total	Equipment	Total
1.	Delhi	Central	Yellow	Red	Blue	White	Total	Equipment	Total
			1018	1125	292	100	2530	Incinerator:	500 Kg/hr
								Autoclave:	700 kg/batch
								Deep	Nil
								Burial:	Nil
						Any other:			
						Blue Care :	400Kg/Hour		
2.	Delhi	West	Yellow	Red	Blue	White	Total	Equipment	Total
			1110	1018	215	75	2418	Incinerator:	500 Kg/hr
								Autoclave:	700/Batch
								Deep	Nil
								Burial:	Nil
						Any other:			
						Blue Care :	400Kg/Hour		
3.	Delhi	South West	Yellow	Red	Blue	White	Total	Equipment	Total
			1520	1472	385	75	3452	Incinerator:	500 Kg/hr
								Autoclave:	700/Batch
								Deep	Nil
								Burial:	Nil
						Any other:			
						Blue Care :	400Kg/Hour		
4.	Delhi	East	Yellow	Red	Blue	White	Total	Equipment	Total
			650	710	180	35	1575	Incinerator:	500 Kg/hr
								Autoclave:	700/Batch
								Deep	Nil
								Burial:	Nil
						Any other:			
						Blue Care :	400Kg/Hour		
5.	Delhi	North East	Yellow	Red	Blue	White	Total	Equipment	Total
			200	181	65	15	461	Incinerator:	500 Kg/hr
								Autoclave:	700/Batch
								Deep	Nil
								Burial:	Nil
						Any other:			
						Blue Care :	400Kg/Hour		

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6.	Delhi	Shahdara	Yellow	Red	Blue	White	Total	Equipment	Total
			713	654	193	25	1585	Incinerator:	500 Kg/hr
								Autoclave:	700/Batch
								Deep	Nil
								Burial:	Nil
								Any other: Blue Cat.:	400Kg/Hour
7.	Delhi	North	Yellow	Red	Blue	White	Total	Equipment	Total
			425	220	54	15	714	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	Nil
								Burial:	Nil
								Any other: Blue Cat.:	2300 kg/day
8.	Delhi	North West	Yellow	Red	Blue	White	Total	Equipment	Total
			1350	496	194	28	2108	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	Nil
								Burial:	Nil
								Any other: Blue Cat.:	2300 kg/day
9.	Delhi	New Delhi	Yellow	Red	Blue	White	Total	Equipment	Total
			2379	2802	1450	74	6705	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	Nil
								Burial:	Nil
								Any other: Blue Cat.:	2300 kg/day
10.	Delhi	South	Yellow	Red	Blue	White	Total	Equipment	Total
			824	668	253	18	1763	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	Nil
								Burial:	Nil
								Any other: Blue Cat.:	2300 kg/day
11.	Delhi	South East	Yellow	Red	Blue	White	Total	Equipment	Total
			1455	1034	358	75	2922	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	Nil
								Burial:	Nil
								Any other: Blue Cat.:	2300 kg/day

\*The figure is the total installed capacity of the 2 CBWTFs and rest district wise.

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Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2018)

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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)	Incinerat or	Autoclave	Deep burial	Any other	
1.	Babu Jagjivan Ram Memorial Hospital, E Block, Jahangir Puri, Delhi-110033.	25	23	4	3.5	55.5	-	1000	-	-	Incinerator : Autoclave : 436.5 Deep Burial : A n y o t h e r
2.	Baba Saheb Ambedkar Hospital, Sector-6, Roza, Delhi-110085	150	152	22	2	326	-	1000	-	-	
	Lok Nayak Hospital, J.L.N. Marg, New Delhi-110002.										
3.		24	31	-	-	55	-	1000	-	-	
						436.5					Total : 436.5 KG/Day

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**Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2018)**

S.N no.	Name & Address of the CBWTF with contact person name and telephone no.	GPS Coordinates	Coverage Area in KMS	Name of the 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 or Ash/Sharps/Plastics)
								Equipment	Nos.	Total installed capacity		
1.	SMS WATER GRACE BMW PVT LTD, Delhi Jal Board, Sewage Treatment Plant, NGothi, Delhi-110041	Yes	45 KMS (Distance)	6 Districts (South West, West, Central, North East, Shikhar, East)	3562	31328	12021	Incinerator	2	12000 Kg/d	5211	Incineration Ash:
								Plasma Pyrolysis	-	-	-	Quantity: 156 ton/year
								Autoclave	2	3880 Kg/d	5455	Disposed by: SDMC
								Hydroclave	-	-	-	Sharps:
												Quantity: 325 kg/d
												Disposed by: Authorized recycler
								Microwave	-	-	-	
								Shredder	3	550 Kg/H	-	
								Sharps encapsulation or concrete pit	1	10x10x10 size	325	Plastics:
												Quantity: 1876 ton/year
				Disposed by: Authorized recycler								
				Deep burial pits								
				Any other equipment	Chemical Disinfection	400 Kg/d	1330	ETP Sludge:				
									Quantity: 3.6 Ton/year			
				Effluent Treatment Plant		100 KLD		Disposed by: Incinerator				
				Sub-total		10		12021				

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2.	BIOHC WASTE SOLUTIONS PVT. LTD, 46-47,SSI Industrial Area, Delhi-110033	Yes	45 KMS (Distance)	5 Districts (North, North West, New Delhi, South, South East)	2867	2261	14300	Incinerator	3	25000 Kg/D	6500	Incineration Ash:
								Plasma Pyrolysis				Quantity: 110000 kg/annum Disposed by: North Delhi Municipal Corporation
								Autoclave	1	9000 Kg/D	5500	Sharps:
								Hydroclave				Quantity: 180 Kg/Month Disposed by: Authorized recycler
								Microwave				Plastics: 1
								Shredder	2	450Kg/H	4200	Quantity: 4000 kg/d
								Sharps encapsulation or concrete pit				Disposed by: Authorized recycler
								Deep burial pits				
								Any other equipment	Chemical Disinfection			
								Effluent Treatment Plant	1	6 KLD		ETP Sludge:
												Quantity: 1000 Kg/annum Disposed by: Storage
								Sub-total	8		14300	

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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:
  - (i) Sms- 33
  - (ii) Biotic- 30
  
- (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:
  - (i) Sms- 6
  - (ii) Biotic- 20
  
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities:"
  - (i) Sms- 0
  - (ii) Biotic- 0

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