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DELHI POLLUTION CONTROL COMMITTEE  
DEPARTMENT OF ENVIRONMENT, (GOVT. OF NCT OF  
DELHI)  
4<sup>th</sup> & 5<sup>th</sup> FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-6  
( visit us at website : <http://dpec.delhigovt.nic.in/> )

F. No. DPCC/BMW/AR/ 22183 Jo 86

Dated: 29/7/2020

To,

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

**Sub:- Annual Report on Bio Medical Waste Management as per BMW Rules, 2016  
w.r.t NCT of Delhi for the calendar year 2019 (01.01.2019 to 31.12.2019)**

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 2019 (01.01.2019 to 31.12.2019).

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

Yours Faithfully,

  
(Pankaj Kapil)  
SEE, WMC-I

Copy to,

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

**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, 2019 TO DECEMBER, 2019**

(1)	Name of the Organisation	DELHI POLLUTION CONTROL COMMITTEE
(2)	Name of the Nodal Officer with contact telephone number and e-mail	Mr. PANKAJ KAPIL 9717593514 pankajkapil@yahoo.com
(3)	Total no. of Health Care Facilities/ Occupiers	10277
(i)	Bedded Hospitals and Nursing Homes (bedded)	1225
(ii)	Clinics, dispensaries	1018
(iii)	Veterinary institutions	153
(iv)	Animal houses	6
(v)	Pathological laboratories	1532
(vi)	Blood banks	9
(vii)	Clinical establishments	6245
(viii)	Research institutions	85
(ix)	AYUSH	4
(4)	Total no. of beds	57653
(5)	Status of authorization	
(i)	Total number of Occupiers applied for authorisation	6033
(ii)	Total number of Occupiers granted authorisation	5444
(iii)	Total number of applications under consideration	587 <sup>A</sup>
(iv)	Total number of applications rejected	2
(v)	Total number of Occupiers in operation without applying for authorisation	*
(6)	Quantity of Bio-medical Waste Generation (in kg/day) (please enclose District Wise Bio-medical Waste Generation as per Part-2)	28785.15 kg/day
(i)	Bio-medical waste generation by bedded hospitals (in kg/day)	24602.15 Kg/day
(ii)	Any other	

<sup>A</sup> Includes 516 number of Occupiers to whom clarification was issued/ raised

\* Action under the provisions of EPA is taken, if any HCF found operating without authorization. Details at S.No.9

(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	: 1
(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in kg/day	: 302.15
(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	: 28483 Kg per day
(iv)	Total treated bio-medical waste disposed through authorized recyclers (in Kg/day)	: 15187 kg per day
(8)	Total no. of violation by	
(i)	Health Care Facilities (bedded and non-bedded)	: 3597
(ii)	Common Bio Medical Waste Treatment Facilities	: Nil
(iii)	Others (please specify)	: -
(9)	Show cause notice/ direction issued to defaulter	
(i)	Health Care Facilities	: 3597/ 1004
(ii)	Common Bio Medical Waste Treatment Facilities	: Nil
(iii)	Others	: -
(10)	Any other relevant information	
(i)	Number of workshops / trainings conducted during the year	: 16*
(ii)	Number of occupiers installed liquid waste treatment facility	: 147
(iii)	Number of captive incinerators complying to the norms	: NA
(iv)	Number of occupiers organized trainings	: 273
(v)	Number of occupiers constituted Bio-medical Waste Management Committees	: 152
(vi)	Number of occupiers submitted Annual Report for the previous calendar year	: 553
(vii)	Number of occupiers practicing pre-treatment of lab microbiology and Bio-technology waste	: 102
(viii)	Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems	: 2

\* No. of camps organized by DPCC to facilitate HCFs to apply for authorization under BMW&M Rules, 2016. Apart from this DPCC officials have been involved in most of the training conducted by CDMOs at district level.

**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*	
			Yellow	Red	Blue	White	Total	Equipment	Total
1.	Delhi	Central	1982	1974	373	107	4436	Incinerator:	500 Kg/ hr
								Autoclave:	700 Kg/ batch
								Deep	
								Burial:	
								Any other:	
								Blue Gate :	9600
2.	Delhi	West	1052	1314	296	102	2765	Incinerator:	500 Kg/ hr
								Autoclave:	700 Kg/ batch
								Deep	
								Burial:	
								Any other:	
								Blue Gate :	9600
3.	Delhi	South West	1591	1396	291	55	3333	Incinerator:	500 Kg/ hr
								Autoclave:	700 Kg/ batch
								Deep	
								Burial:	
								Any other:	
								Blue Gate :	9600
4.	Delhi	East	587	571	179	51	1688	Incinerator:	500 Kg/ hr
								Autoclave:	700 Kg/ batch
								Deep	
								Burial:	
								Any other:	
								Blue Gate :	9600
5.	Delhi	North East	129	63	17	2	211	Incinerator:	500 Kg/ hr
								Autoclave:	700 Kg/ batch
								Deep	
								Burial:	
								Any other:	
								Blue Gate :	9600
6.	Delhi	Shahdara	884	741	155	30	1810	Incinerator:	500 Kg/ hr
								Autoclave:	700 Kg/ batch
								Deep	
								Burial:	
								Any other:	
								Blue Gate :	9600



7.	Delhi	North	Yellow	Red	Blue	White	Total	Equipment	Total
			410	241	40	28	719	Incinerator:	1250 Kg/hr
								Autoclave:	450 Kg/batch
								Deep	
								Burial:	
					Any other:				
					Blue Cat:	7000			
8.	Delhi	North West	Yellow	Red	Blue	White	Total	Equipment	Total
			1360	670	168	29	2227	Incinerator:	1250 Kg/hr
								Autoclave:	450 Kg/batch
								Deep	
								Burial:	
					Any other:				
					Blue Cat:	7000			
9.	Delhi	New Delhi	Yellow	Red	Blue	White	Total	Equipment	Total
			2217	2890	1396	61	6564	Incinerator:	1250 Kg/hr
								Autoclave:	450 Kg/batch
								Deep	
								Burial:	
					Any other:				
					Blue Cat:	7000			
10.	Delhi	South	Yellow	Red	Blue	White	Total	Equipment	Total
			814	710	261	38	1823	Incinerator:	1250 Kg/hr
								Autoclave:	450 Kg/batch
								Deep	
								Burial:	
					Any other:				
					Blue Cat:	7000			
11.	Delhi	South East	Yellow	Red	Blue	White	Total	Equipment	Total
			1446	1027	389	75	2907	Incinerator:	1250 Kg/hr
								Autoclave:	450 Kg/batch
								Deep	
								Burial:	
					Any other:				
					Blue Cat:	7000			

\* The figure is the total installed capacity of the 2 CBWTFs and not district wise.



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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 Bio-medical waste generated (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	Incinerator		Autoclave	Deep burial	Any other				
1.	LOK NAYAK HOSPITAL, J.L.N. MARG, NEW DELHI-110002	290.18	302.15	42.13	27.36	661.82		1000			Incinerator Nil	Autoclave 302.15	Deep Burial Nil	Any other NA
											Total :-	302.15		



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

Sl. 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 Disposal treated was (Incineration Ash/Sharps/astic)			
								Equipment	No.	Total installed capacity					
1.	SMS WATER GRACE BMW PVT LTD, Delhi Jal Board, Sewage Treatment Plant, Nilothi, Delhi-110041.	28°39' 11.48" N, 77° 2'54.4 8'E	45 KMS (Distance)	6 Districts (WEST, SOUTH WEST, CENTRAL, EAST, SHAHDA RA, & NORTH EAST)	5613	32924	14243	Incinerator	2	500 Kg/ hr	6226	Incineration Ash			
								Plasma Pyrolysis				Quantity: 150 Tons/ annum			
												Disposed by: Landfill SDMC			
											Autoclave	2	700 Kg/ batch	6706 including sharps	Sharps
											Hydroclave				Quantity: 347 Kg/ day
															Disposed by: Authorized Recycler
											Microwave				Plastic
											Shredder	3	700 Kg/ hr	5936	Quantity: 5936 Kg/Day
											Sharps encapsulation or concrete pit	1	10'x10'x10' size		Disposed by: Authorized Recycler
											Deep burial pits				ETP Sludge
			Any other equipment	1	9600 Kg/ day	1311	Quantity: 36 Tons/ annum								
			Chemical Disinfection Unit				Disposed by: Incineration								
			Effluent Treatment Plant	1	100 KL/ day										
			Sub-total	10		14243									

2.	BIOTIC WASTE SOLUTIONS PVT. LTD, 46-47, 35 Industrial Area, GT Karnal Road, Delhi-110033	28°43' 41.33" N, 77° 9'26.4 7"E	With in 5 districts of Delhi	New Delhi, North, North West, South and South East	4664	24729	14,240 kg/day (appx)	Incinerator	03	1250 Kg/hr	6,247	Incineration Ash:
												Quantity: 10,253 kg/month
												Disposed by: Landfill NDMC
								Autoclave	01	450 Kg/batch	5769	Sharps:
											Including sharps	Quantity: 231 kg/day
								Hydroclave				Disposed by: Authorized recycler
								Microwave	NA	NA	NA	Plastics:
								Shredder	02	450 Kg/hour	5138	Quantity: 1138 kg/day
								Sharps encapsulation or concrete pit			Sent to metal recycler	Disposed by: Authorized recycler
Deep burial pits	NA	NA	NA	ETP Sludge:								
				Quantity: 970 Kg/month								
Any other equipment			Chemical Disinfectant 2224 kg/day	Disposed by: Incineration.								
Effluent Treatment Plant												
Sub-total	06		14,240 kg/day									

- (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 - 36  
 (ii) Biotic - 47
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities: Signing of MoU with CBWTF is the precondition for obtaining the authorization from DPCC. Action under EPA, 1986 is taken, if any HCF is found operating without authorization.
- (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 - NIL  
 (ii) Biotic - NIL

  
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