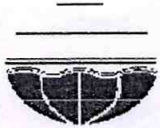


By Speed Post

	DELHI POLLUTION CONTROL COMMITTEE 5 th & 6 th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-6 visit us at : http://dpcc.delhigovt.nic.in
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File No. DPCC/BMW/AR/ 2493-96

Date:- 29/07/2021

To,

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

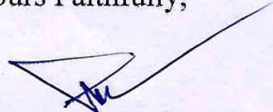
Sub:- Annual Report on Bio- Medical Waste Management as per BMWM Rules, 2016 w.r.t NCT of Delhi for the calendar year 2020 (01.01.2020 to 31.12.2020).

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 2020 (01.01.2020 to 31.12.2020).

This is being issued as per the approval of Competent Authority, 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, 2020 TO DECEMBER, 2020**

(1)	Name of the Organization	:	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	:	10423
(i)	Bedded Hospitals and Nursing Homes (bedded)	:	1184
(ii)	Clinics, dispensaries	:	1094
(iii)	Veterinary institutions	:	94
(iv)	Animal houses	:	13
(v)	Pathological laboratories	:	1480
(vi)	Blood banks	:	11
(vii)	Clinical establishment	:	6466
(viii)	Research Institutions	:	46
(ix)	AYUSH	:	35
(4)	Total no. of beds	:	57832
(5)	Status of authorization	:	
(i)	Total number of Occupiers applied for authorization	:	1247
(ii)	Total number of Occupiers granted authorization	:	1179
(iii)	Total number of applications under consideration	:	65[^]
(iv)	Total number of applications rejected	:	3
(v)	Total number of Occupiers in operation without applying for authorization	:	-
(6)	Quantity of Bio-medical Waste Generation (in kg/day) (please enclose District Wise Bio-medical Waste Generation as per Part-2)	:	23200.09*kg/day
(i)	Bio-medical waste generation by bedded hospitals (in kg/day)	:	20360.09 Kg/day
(ii)	Any other	:	

[^] Includes 40 number of Occupiers to whom clarification was issued/ raised.

* Excluding Covid 19 waste. Details of Covid 19 waste is enclosed.


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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 : 1
- (ii) Total bio-medical waste treated and disposed by captive treatment facilities in kg/day : 272.09
- (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 : 22928 Kg/day (appx)
- (iv) Total treated bio-medical waste disposed through authorized recyclers (in Kg/day) : 11124 kg/day (appx)
- (8) Total no. of violation by
- (i) Health Care Facilities (bedded and non-bedded) : 157
- (ii) Common Bio Medical Waste Treatment Facilities : 04
- (iii) Others (please specify) : -
- (9) Show cause notice/ direction issued to defaulter
- (i) Health Care Facilities : 157/ 68
- (ii) Common Bio Medical Waste Treatment Facilities : 04/ 03
- (iii) Others : -
- (10) Any other relevant information
- (i) Number of workshops / trainings conducted during the year : 02
- (ii) Number of occupiers installed liquid waste treatment facility : 149
- (iii) Number of captive incinerators complying to the norms : NA
- (iv) Number of occupiers organized trainings : 246
- (v) Number of occupiers constituted Bio-medical Waste Management Committees : 135
- (vi) Number of occupiers submitted Annual Report for the previous calendar year : 328
- (vii) Number of occupiers practicing pre-treatment of lab microbiology and Bio-technology waste: 85**
- (viii) Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems : 2

** As per Annual Report received from the HCF for the year 2020

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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						Incinerator:	12000
								Autoclave:	16800
								Burial:	0
								Any other:	0
								Blue Cate :	9600
			1258.88	1175.51	194.27	43.88	2672.55		
2.	Delhi	West						Incinerator:	12000
								Autoclave:	16800
								Burial:	0
								Any other:	0
								Blue Cate :	9600
			1345	1098.05	226.88	33.38	2703.31	glass treatment unit	
3.	Delhi	South West						Incinerator:	12000
								Autoclave:	16800
								Burial:	0
								Any other:	0
								Blue Cate :	9600
			1416.38	1124.95	239.72	40.49	2821.53		
4.	Delhi	East						Incinerator:	12000
								Autoclave:	16800
								Burial:	0
								Any other:	0
								Blue Cate :	9600
			513.49	642.92	115.68	27.83	1299.92		
5.	Delhi	North East						Incinerator:	12000
								Autoclave:	16800
								Burial:	0
								Any other:	0
								Blue Cate :	9600
			311.54	270.29	45.22	16.22	643.27		
6.	Delhi	Shahdara						Incinerator:	12000
								Autoclave:	16800
								Burial:	0
								Any other:	0
								Blue Cate :	9600
			253.33	204.15	27.52	6.43	491.44		
7.	Delhi	North						Incinerator:	25000
								Autoclave:	9000
								Deep	
								Burial:	
								Any other:	
			196	186	95	17	494 kg/day (appx)	Blue Cat:	7000

8.	Delhi	North West	Yellow	Red	Blue	White	Total	Equipment	Total
			1006	691	344	49	2090	Incinerator:	25000
							kg/day (appx)	Autoclave:	9000
								Deep	
								Burial:	
9.	Delhi	New Delhi	Yellow	Red	Blue	White	Total	Equipment	Total
			1758	1348	337	74	3516	Incinerator:	25000
							kg/day (appx)	Autoclave:	9000
								Deep	
								Burial:	
10.	Delhi	South	Yellow	Red	Blue	White	Total	Equipment	Total
			1078	554	338	62	2032	Incinerator:	25000
							kg/day (appx)	Autoclave:	9000
								Deep	
								Burial:	
11.	Delhi	South East	Yellow	Red	Blue	White	Total	Equipment	Total
			1571	1380	339	72	3363	Incinerator:	25000
							kg/day (appx)	Autoclave:	9000
								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 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	
1.	LOKNAYAK HOSPITAL, J.L.N. MARG, NEW DELHI-110002	263.51	272.09	41.13	19.42	596.15		1000			Incinerator : Autoclave 272.09: Deep : Burial : Any other :
											Total : 272.09

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Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2020)

S.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 Ash/Sharps/Plastics)
								Equipment	Nos.	Total installed capacity		
1.	SMS WATER GRACE BMW PVT LTD, Delhial 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, SHAHDARA, EAST & NORTH EAST)	5917	32918	11435	Incinerator	2	12000KG/DAY	4895	Incineration Ash:
								Plasma Pyrolysis				Quantity: 266 Ton/ annum
								Autoclave	2	16800kg/day	5663 (including sharps)	Disposed by: Landfill SDMC
								Hydroclave				Sharps:
												Quantity: 633 Kg/ day
												Disposed by: Authorized Recycler
								Microwave				Plastics:
								Shredder	3	13200Kg/DAY	4578	Quantity: 4578 Kg/Day
								Sharps encapsulation or concrete pit	1	10x10x10 size	633	Disposed by: Sitaram Plastic Authorized Recycler
								Deep burial pits				ETP Sludge:
								Any other equipment	1	9600kg/day	877	Quantity: 7.3 Ton/ annum
								Chemical Disinfection Unit				Disposed by: Incineration
								Effluent Treatment Plant	1	100kl/day		
								Sub-total	10		11435	

2.	BIO-C WASTE SOLUTIONS PVT. LTD, 46- 47,SSI Industrial Area, GT Karnal Road, Delhi- 110033	28°43' 41.33" N, 77° 9'26.4 7"E	Within 5 districts of Delhi	New Delhi, North, North West, South and South East	4506	24914	11,493 kg/day (appx)	Incinerator	03	25,000 Kg/day	5,608 kg/day	Incineration Ash: Yes
												Quantity: 8141 kg/month Disposed by: Municipal Landfill
								Autoclave	01	9,000 Kg/day	4,433 kg/day (including sharps & it's box)	Sharps: Quantity: 66 kg/day Disposed by: Authorized recycler
								Hydroclave				
								Microwave	NA	NA	NA	Plastics:
								Shredder	02	350 + 100 kg/hour	4212kg/ day (including sharps & it's box)	Quantity: 3518 kg/day (after shredding, include empty sharp boxes) Disposed by: Authorized recycler
								Sharps encapsulation or concrete pit	Available		Sent to metal recycler	
								Deep burial pits	NA	NA	NA	ETP Sludge: Yes Quantity: 687 Kg/annum Disposed by: Incineration.
								Any other equipment			Chemical Disinfection 1,452 kg/day	Disposed by: Authorized recycler
								Effluent Treatment Plant				
								Sub-total	06	34,000kg/d ay	11,493 kg/day	

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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 - 47
(ii) Biotic- 73
- (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 operation without authorization.
- (c) Number of trainings organized by the Common Bio-Medical Waste Treatment Facility operators:
(i) Sms - 02
(ii) Biotic- 06
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities:
(i) Sms - NIL
(ii) Biotic- NIL



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**Details of Covid 19 waste disposed off during the period
01.01.2020 to 31.12.2020**

MONTH	Total Covid waste in (Kg)
JANUARY	0.00
FEBRUARY	1795.00
MARCH	35719.49
APRIL	237952.70
MAY	393496.95
JUNE	433711.63
JULY	515139.03
AUGUST	398918.11
SEPTEMBER	385273.08
OCTOBER	367955.59
NOVEMBER	392756.94
DECEMBER	356561.38
Total	3519279.90


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