



Speed Post

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

No. F: DPCC/WMC-I/2018/

8395

Dated: 25/7/18

To
Member Secretary,
Central Pollution Control Board,
Parivesh Bhavan, East Arjun Nagar,
Shahdara,
Delhi-110032.

Subject:- Annual Report on Bio-Medical Waste Management as per Bio-Medical Waste Management Rules, 2016 in NCT of Delhi, for the year 2017 (01-01-2017 to 31-12-2017)

Sir,

Please find enclosed here with the Annual Report on Bio-Medical Waste Management as per Bio-Medical Waste Management Rules, 2016 in NCT of Delhi, for the year, 2017 (01-01-2017 to 31-12-2017).

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

Yours faithfully


(P. S. Pankaj)
Incharge, WMC-III

Encl. As above.

uploaded in web site

9/11

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, 2017 to December, 2017

(1)	Name of the Organisation	:	Delhi Pollution Control Committee
(2)	Name of the Nodal Officer with contact telephone number and e-mail	:	Mr. P S Pankaj +91-9717593517 pspankaj@yahoo.com
(3)	Total no. of Health Care Facilities / Occupiers	:	2378* + 3016** = 5394
(i)	Bedded Hospitals and Nursing Homes (bedded)	:	443* + 1035** = 1478
(ii)	Clinics, dispensaries	:	224* + 228** = 452
(iii)	Veterinary institutions	:	23* + 23** = 46
(iv)	Animal houses	:	27* + 0** = 27
(v)	Pathological laboratories	:	508* + 659** = 1167
(vi)	Blood banks	:	05* + 06** = 11#
(vii)	Clinical establishment	:	1141* + 1028** = 2169
(viii)	Research Institutions	:	05* + 37** = 42
(ix)	AYUSH	:	02* + 0** = 02
(4)	Total no. of beds	:	22753* + 27922** = 50675
(5)	Status of authorization	:	
(i)	Total number of Occupiers applied for authorisation	:	959
(ii)	Total number of Occupiers granted authorisation	:	872
(iii)	Total number of application under consideration	:	206
(iv)	Total number of applications rejected	:	0
(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)	:	13276.47* + 10988** + 402.58*** = 24667.05 KG/Day
(i)	Bio-medical waste generation by bedded hospitals (in kg/day)	:	
(iii)	Any other	:	10142 + 11202 = 21344 Kg/D

*- Biotic Waste Solutions Pvt. Ltd.

** - SMS Water Grace Bmw Pvt. Ltd.

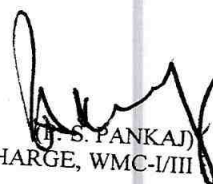
***- 3 Hospitals are having autoclave(s) and treating the autoclavable waste using in-house treatment system(s)

#- Stand alone Blood Banks.

- (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 : 3 (only Autoclave)
- (ii) Total bio-medical waste treated and disposed by captive treatment facilities in kg/day : 402.58
- (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 : 10988* + 13276.47**= 24264.47
- (iv) Total treated bio-medical waste disposed through authorized recyclers (in Kg/day) : 3788.84*+3010.9**= 6799.74
- (8) Total no. of violation by
- (i) Health Care Facilities (bedded and non-bedded) : 555
- (ii) Common Bio Medical Waste Treatment Facilities : 2
- (iii) Others (please specify) : 0
- (9) Show cause notice/ direction issued to defaulter : 555
- (i) Common Bio Medical Waste Treatment Facilities : 2
- (iii) Others : -
- (10) Any other relevant information
- (i) Number of workshops / trainings conducted during the year : 1
- (ii) Number of occupiers installed liquid waste treatment facility : 227
- (iii) Number of captive incinerators complying to the norms : 5 (SMS-2, Biotic-3)
- (iv) Number of occupiers organized trainings : 5
- (v) Number of occupiers constituted Bio-medical Waste Management Committees : No information available
- (vi) Number of occupiers submitted Annual Report for the previous calendar year : 3556
- (vii) Number of occupiers practicing pre-treatment of lab microbiology and Bio-technology waste : 227
- (viii) Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems : 2

									Sub-total	7		13276.47	
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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- 28
 (ii) Biotic- 29
- (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- 5
 (ii) Biotic- 05
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities:”.
 (i) Sms- 0
 (ii) Biotic- 0


 J. S. PANKAJ
 INCHARGE, WMC-I/III

Part 2: District-wise Bio-medical Waste Generation (for the previous calendar year 2017)

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	1758	1298	821	73	3950	Incinerator:	500 Kg
								Autoclave:	700/Batch
								Deep	
								Burial:	
								Any other:	
			22.71	27			49.7	Blue Cate :	400Kg/Hour
2.	Delhi	West	551	857	284	75	1767	Incinerator:	500 Kg
								Autoclave:	700/Batch
								Deep	
								Burial:	
								Any other:	
								Blue Cate :	400Kg/Hour
3.	Delhi	South West	1152	775	370	41	2338	Incinerator:	500 Kg
								Autoclave:	700/Batch
								Deep	
								Burial:	
								Any other:	
								Blue Cate :	400Kg/Hour
4.	Delhi	East	637	451	167	44	1299	Incinerator:	500 Kg
								Autoclave:	700/Batch
								Deep	
								Burial:	
								Any other:	
								Blue Cate :	400Kg/Hour
5.	Delhi	North East	64	23	04	01	92	Incinerator:	500 Kg
								Autoclave:	700/Batch
								Deep	
								Burial:	
								Any other:	
								Blue Cate :	400Kg/Hour
6.	Delhi	Shahdara	753	642	113	34	1542	Incinerator:	500 Kg
								Autoclave:	700/Batch
								Deep	
								Burial:	
								Any other:	
								Blue Cate :	400Kg/Hour

7.	Delhi	North	Yellow	Red	Blue	White	Total	Equipment	Total
			226.79	195.8	151.9	4.7	579.19	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	
								Burial:	
			23.6	21.2	2.7	2.8	50.3	Any other:	
8.	Delhi	North West	Yellow	Red	Blue	White	Total	Equipment	Total
			1166.09	729.01	547.47	13.34	2455.91	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	
								Burial:	
			139.54	140.73	20.50	1.8	140.73	Any other:	
9.	Delhi	New Delhi	Yellow	Red	Blue	White	Total	Equipment	Total
			2037.9	1422.03	535.9	20.1	4015.93	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	
								Burial:	
								Any other:	
10.	Delhi	South	Yellow	Red	Blue	White	Total	Equipment	Total
			1250.16	584	537.5	17	2388.66	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	
								Burial:	
								Any other:	
11.	Delhi	South East	Yellow	Red	Blue	White	Total	Equipment	Total
			1821.45	1455.6	539.7	19.7	3836.45	Incinerator:	25000 Kg/D
								Autoclave:	9000 Kg/D
								Deep	
								Burial:	
								Any other:	

Part 3 : Information on Health Care Facilities having captive treatment facilities (for the previous calendar Year 2017)

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.	Babu Jagjivan Ram Memorial Hospital, E Block, Jahangir Puri, Delhi-110033.	23.6	21.2	2.7	2.8	50.3	—	21.2	—	—	Incinerator : Autoclave : 402.58 Deep : Burial : Any other :
2.	Baba Saheb Ambedkar Hospital, Sector-6, Rohini, Delhi-110085	139.54	140.73	20.50	1.8	302.57	—	140.73	—	—	
3.	Lok Nayak Hospital, J.L.N. Marg, New Delhi-110002.	22.71	27	—	—	49.7	—	27	—	—	
						402.58					Total : 402.58 KG/Day

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar Year 2017)

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, Delhi Jal Board, Sewage Treatment Plant, Nilothi, Delhi-110041.	Yes	55 KMS (Distance)	6 Districts (South West, West, Central, North East, Shahdara, East.)	3016	27922	10988	Incinerator	2	250 Kg/H	4855	Incineration Ash: Secured Landfill
								Plasma Pyrolysis	-	-	-	Quantity: 88 Ton Disposed by: NDMC
								Autoclave	2	700 Kg/H	4089	Sharps: Sharp Pit, Encapsulation.
								Hydroclave	-	-	-	Quantity: Disposed by: In Sharp pit
								Microwave	-	-	-	Plastics: Sterilize
								Shredder	2	550 Kg/H	-	Quantity: 3109 Kg/Day Disposed by: V K plastics Enterprises, Ghaziabad
								Sharps encapsulation or concrete pit	-	-	264	
								Deep burial pits	-	-	-	ETP Sludge: Secured Landfill
								Any other equipment	Chemical Disinfection: 1	400 Kg/Hr	1780	Quantity: 1.5Ton Disposed by:

								Effluent Treatment Plant	1	100 KLD		NDMC
								Sub-total	8		10988	
2.	BIOTIC 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.)	2378	22753	13278.3	Incinerator	3	25000 Kg/D	6502.47	Incineration Ash: Secured Landfill Quantity: 91000 kg/annum Disposed by: MCD
								Plasma Pyrolysis				
								Autoclave	2	9000 Kg/D	4386.5	Sharps: : Sharp Pit, Encapsulation. Quantity: 47.19 Kg/Month Disposed by: Duggar Fiber Pvt. Ltd.
								Hydroclave				
								Microwave				Plastics: : Sterilize
								Shredder	1	350Kg/H		Quantity:
								Sharps encapsulation or concrete pit	-	-	74.9	Disposed by: 1. M.K. Chopra 2. Polycraft
								Deep burial pits	-	-	-	ETP Sludge: Secured Landfill
								Any other equipment	Chemical Disinfection: 1	-	2312.6	Quantity: 860 Kg/annum Disposed by: MCD
								Effluent Treatment Plant	1	6 KLD	-	