MAHARASHTRA POLLUTION CONTROL BOARD

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No. MPCB/PSO/Lab/B-188



Kalpataru Point, 2nd - 4th Fl. Opp. Cine Planet Cinema, Near Sion Circle, Sion (E) Mumbai-400 022.

Date: 15/01/2017.

To, Shri.B Vinod Babu AD & I/c.HWMD, Central Pollution Control Board Parivesh Bhavan, East Arjun Nagar, Delhi – 110 032.

Kind Attn: Shri.Chandrababu

Sub: Submission of Annual Report of 2016 under Bio-Medical Waste Rules.

Reff: Your letter No.B-31011/BMW(2.21)/2017/HWMD/6972 dtd.16.06.2017

received on 12.07.2017.

With reference to the above subject matter, please find enclosed herewith Annual Report of Bio-Medical Waste for the year 2016.

This is issued with the approval of Member Secretary, MPCB.

Principal Scientific Officer,

Encl: As above

Copy submitted to: Member Secretary, MPCB - for information.

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

Format for Submission of the Annual Report Information on Bio-Medical Waste Management By the SPCBs/PCCs to CPCB for the period January, 2016 to December, 2016

The Diffusion Control Board/Pollution Control Comm	ittee: Maharashtra Pollution Control Board
 (1) Name of the State Pollution Control Board/Pollution Control Comm (2) Name of the Nodal Officer with contact telephone no. & e-mail (3) Total no. of HCFs (i) Bedded (ii) Non-Bedded (4) Total no. of beds (5) Status of autorization a) Total no. of HCFs applied for authorization b) Total no. of HCFs granted authorization 	ittee: Maharashtra Pollution Control Board Dr.A.R. Supate, Principal Scientific Officer MPC Board. Mumbai 9869440164, email: pso@mpcb.gov.in 52704.00 20225.00 32479.00 251948.00 :
c) Total no. of application under consideration d) Total no. of application rejected	: 19197.00 : 279.00 : 2.00
e) Total no. of HCFs in operation without applying for authorization Quantity of Bio-medical Waste Generation (in kg/day)	; 50.00 ; -
a) Bio-medical waste generation by bedded hospitals (in kg/dayb) Bio-medical waste generation by non-bedded hospitals (in kg/day)	: 57772.70 : 13667.70
c) Any Other	70.805

Total in kg/day 71511.5.00

	1 =	-	0	و او او	70	a) h		o	e)			<u>a</u>	┉.	 C	5	a	On		1	∷ -	= \w	No	Sr	_
	rotal 6 (a+b+c)		Any Other	generation by non-bedded hospitals (in kg/day)		generation by bedded hospitals (in ka/day	Bio-medical waste	Quantity of Bio-medical Waste Generation (in Land	for authorization	Total no. of HCFs in		rejected	Total no of application	Total no. of application	granted authorization	for authorization	Status of autorization	rotal no. of beds	Norl-Bedded	Non Board	Total no. of HCFs	+		
j	16906	+		3719		13187		Waste Ge							528	528	-	48200	9414	1542	10956		Mumbai	
	2812.851			624.5		2188.351	riciation (III	noration (in				-		»	380	366	-	24067	3244	1654	4898		Kolhapur	
 -	1614.28 1		1	455.654		1158.4	Kg/day)		76			2	26	3	271	295		7390	740	439	1179		Kalyan	
-	10361	-	-	2058.3		8302.9							<u>.</u>		7583	7755		41987	2022	3055	9988		Pune	
-	921.5	_		70		851.5				<u> </u>			10		200	212		6087	705	3 3	1154		Raigad	
	5548			2080		3 4 68								1 2	1401	1401		18411	401	100	6103		Nagnur	
	20018.4			2736.45	107	17282							43	280	3	246		2351	3401	26/02	5750	1490117		
00.4403	2844 36	70.805		677.95	2090.000	3005 EDE			34				35	415		450	13/68	1918	1168	3086		Amravati		
1336	333			10	1326							-	→	259		259	6492	420	355	775		NaviMumbai		
5552.15		 		545.1	5007.05					-				5399		5399	35240	1720	3772	5492		Aurangabad		
900		-		250	650							152		28		180	4202	346	2/2	587	7	Chandrapur		
2696.7		-		440.75	2256							4		2531	200	25.21	14351	793	1004	3657		Thane		
71511.5	70.805			13667 724	57772.706			00	5	2	,	279		19197	19622		251948	20225	52/04	lotal	T 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			

			t & disposal by HCFs (please Treatment & Disposa			T
Sr.No.	Healthcare Facility	No.of HCFs having captive treatment facilities	Total installed captiv	e treatme	nt facility	Total bio-medical waste treated & disposed by captive treatment facilities in kg/day
			Type of treatment equipment	No.	Capacity (in kg/day)	
(i)	Bedded	310	*Incinerator	6	1780	810.56
	 -	<u> </u>	*Plasma Pyrolysis	0	0	0
	 		*Autoclave	215	1455.3	450.3
	<u> </u>	<u> </u>	*Hydroclave	0	0	0
		ļ	*Microwave	1	80	6
	 -		*Shredder	5	1372	18
			*Sharps encapsulation or conrete pit	0	0	0
			*Deep burial pits	452	1514.52	2459.571
			*Any other equipment	0	0	0
i)	Non Bedded		*Incinerator	0	0	
	·		*Plasma Pyrolysis	0	0	
			*Autoclave	0	0	
<u>-</u>			*Hydroclave	0	0	
			*Microwave	0	0	0
	·		*Shredder		0	0
	,,		*Sharps encapsulation or conrete pit	0	0	0
		3693	*Deep burial pits	3693		1866
		_	*Any other equipment	0	T 0	0
					Total	5610.431

65901.03					
1212.84	81513.2	23	plant		
			Effluent treatment		
10	0	0	equipment		
			*Any other		
349.31	55359	5	*Deep burial pits		
117.9	2100	10	conrete pit		
			encapsulation or		
			*Sharps		
12518.96	91840	42	*Shredder		
0	0	0	*Microwave	15	
0	0	0	*Hydroclave		
9357.56	14120	37	*Autoclave		
0	0	0	*Plasma Pyrolysis		
42334.46	86740	35	*Incinerator		374
	kg/day)	No.	equipment	Operation	In Operation
x8/ady	Total capacity (in		Type of treatment	Under	
וסגם וסייוופטוכמו waste treated In					
Total Fig. 18.	t capacity	Total installed treatment capacity	Total inst	Total no.of CBWTFs	Total no.
				į	
as per annexure 1(b))	ase enclose details	CBWTFs (ple	b) Bio-medical waste treatment & disposal byCBWTFs (please enclose details as per ar	cal waste treat	b) Bio-medic
			Bio-medical waste treatment & disposal	cal waste treat	7) Bio-medic

Sr. No.		
8	Total bio-medical waste generation	71511.5
9	Total bio medical waste treated & disposed (in kg/day)	71511.5
	. By Captive Treatment Facilities by the HCFs	5610.431
	. By CBWTFs	65901.03
10	Total no. of violation by	
	. HCFs	5
	.CBWTFs	43
11	Show cause notices/directions issued to defaulters	
	. HCFs	295
	. CBWTFs	9
12	Any other relevant information	
а	No. of workshops/trainings conducted during the year	70
b	No. of HCFs installed liquid waste treatment facility	111
С	No. of captive incinerators complying to the norms	7
d	No. of HCFs organized trainings	36
	No. of HCFs constitued Bio-medical Waste Management	
е	Committes	56
f	No. of HCFs submitted Annual Report	7142
g	No. of HCFs practising pre-treatment of lab microbiology and Biotechnology waste	81

a) Information on HCFs having captive treatment facilities (for the year 2016)

Annexure-1

5610.431	Total											
24	Any other											
4325.571	Deep Burial		•									
450.3	Autoclave	24	3535.5	1167.3	1760	5610.431	261.471	562.3	782.237 562.3	2374.503	at Annxure-1-	⊢
810.56	Incineration		7.2								List enclosed	
		Any other	Burial	Autoclave	Incinerator	kg/day)	White	Blue	Red	Yellow		
			Deep			waste generated (in						
						Total bio-medical						
kg/day	treated in kg/day	kg/day	capacity in	d treatment	Total installed treatment capacity in kg/day	Quantity of Bio-Medical Waste generation (in kg/day)	Naste gene	-Medical \	ntity of Bio	Qua	the HCF	S.No.
ind warte	Total hig-med										address of	
											Name &	_

b) Information on Common Bio-medical Waste Treatment & Disposal Facilities (for the year2016) Annexure 1

	65901.03			Sub-Total							
	1212.84	81513.2	23	Effluent Treatment Plant	ļ 						
	10	0	0	Any other equipment							<u> </u>
	349.31	55359	5	Deep burial pits	·						
,			ļ	concerete pit	, 						
Annexure	1170	2100	10	Sharps encapsulation or	•						<u>, -</u>
at	12518.96	91840	42	Shredder							
enclosed	0	0	0	Microwave	65901.03	229840	46474	re 1-B	List is enclosed at Annexure 1-B	List is enc	<u> </u>
List	0	0	0	Hydroclave							
	9357.56	14120	37	Autoclave							
	0	0	0	Plasma Pyrolysis							
	42334.46	86740	35	Incinerator							
	kg/day	(kg/day)	Nos.	Equipment							
	treated in	capacity									
	waste	installed									
	medical	Total									
astics)	Total bio-	"	installed by CBWTFs	installed	kg./day)	covered	covered	by CBWTF	es KMS	110.	0.140.
ps/Pl		pments	Treatment Equipments	Capacity of Treat	HCFs (in	of beds			76.	1	2
Ash/Shar					member	Total no.	of HCFs				
9	•				trom			-		מניסטוו וומוווכ	
(Incinerati					collected		1	Name of		מפרכים חבשבין	
wastes	•				WWW			N.		with contact	
of treated					Quantity of				_	the CBWTE	
Disposal					Total					Address of	
9 ,										Nama &	
Method								_			