

Telegram : "CHEST" DELHI



E-mail : admin@vpci.org.in
Telefax : +91 (011) 27666549
Phone : +91 (011) 27402400
Website : www.vpci.org.in

VALLABHBHAI PATEL CHEST INSTITUTE

University of Delhi, P.O. Box No. 2101
Delhi - 110 007

VPCI/Admn.II/MoHFW/2019/ *SP-28*

2nd April, 2019

Dr. Chhavi Pant Joshi
Deputy Assistant Director General
Government of India
Ministry of Health & Family Welfare
Directorate General of Health Services
(Environment & Climate Change Cell)
Nirman Bhawan
New Delhi

Sub: Submission of Annual Report of Bio-Medical Waste Management (BMW) – reg.

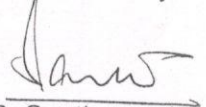
Dear Madam,

With reference to your letter No.P-18012/07/2018-Environment/EPI dated 14.11.18, we are forwarding herewith Annual Report on Bio-Medical Waste Management for the year 2017 (Jan. to Dec.) for your information.

Thanking you,

Encl.: As above.

Yours faithfully,


(P.R. Santhanam)
Joint Registrar

Copy to:

- Prof. S.K. Bansal, Department of Biochemistry, VPCI
- ✓ • Prof. Malini Shariff, Department of Microbiology, VPCI
- PS to Director, VPCI
- Ms. Dessy Benoy, Nursing Sister, VCH, VPCI
- Junior Engineer (Civil), Maintenance Cell, VPCI.

**From -IV
(See rule 13)
Annual Report (Jan-Dec2017)**

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the Occupier of Health Care Facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl.No	Particulars																																																						
1.	Particulars of the Occupier	:																																																					
	(i) Name of the authorized person (occupier or operator of facility)	:	The Director																																																				
	(ii) Name of HCF or CBMWTF	:	Vallabhbhai Patel Chest Institute																																																				
	(iii) Address for Correspondence	:	University of Delhi, Delhi-110007																																																				
	(i) Address of Facility	:	University of Delhi, Delhi-110007																																																				
	(ii) Tel. No. Fax. No.	:	011-27402408,																																																				
	(V) E-mail ID	:																																																					
	(i) URL of Website	:	https://www.vpci.org.in/																																																				
	(ii) GPS coordinates of HCF of CBMWTF	:	28.6906° N, 77.2099° E																																																				
	(iii) Ownership of HCF of CBMWTF	:	MOHFW, maintained by University																																																				
	(iv) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules.	:	Authorization No.DPCC/BMW/Auth/New no/ 2017/02675/5291 Dtd 14/02/17 Valid up to 20/04/19																																																				
	(v) Status of Consents under Water Act and Air Act.	:	Valid up to:16/09/2018 (Fresh consent applied)																																																				
2.	Type of Health Care Facility	:	Delhi University maintained Central govt institute for Postgraduate education and patient care under MCI regulation																																																				
	(i) Bedded Hospital	:	No. of Beds: 128																																																				
	(ii) Non-Bedded Hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	N/A																																																				
	(iii) License number and its date of expiry.	:	N/A																																																				
3.	Details if CBMWTF	:	N/A																																																				
	(i) Number healthcare facilities covered by CBMWTF	:																																																					
	(ii) No. of beds covered by CBMWTF	:																																																					
	(iii) Installed treatment and disposal capacity of CBMWTF	:	_____ Kg per day																																																				
	(iv) Quantity of biomedical waste treated or disposal by CBMWTF	:	_____ Kg/day																																																				
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	Yellow category:3743.8 (Ave 300Kgs) Red Category:3533 (Ave 290 Kgs) White:- Blue Category: 1761 (Ave 146) General Solid waste:																																																				
5.	Details of the Storage , treatment, transportation, processing and Disposal Facility	:																																																					
	(i) Details of the on-site storage facility	:	Size :4.80 m X1.60m X 2.72m Capacity:20.90 Cum or 700Cft Provision of on-site storage : (cold storage or any other provision)																																																				
	(ii) Disposal Facilities	:	<table border="1"> <thead> <tr> <th>Type of treatment Equipment</th> <th>No of Units</th> <th>Capacity Kg/day</th> <th>Quantity treated or disposed In Kg per Annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators-</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Plasma Paralysis-</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Autoclaves-1 (microbiology Dept)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Microwave</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hydroclave-</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Shredder-</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Needle tip cutter or destroyer -10</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sharps</td> <td></td> <td></td> <td></td> </tr> <tr> <td>encapsulation or</td> <td></td> <td>----</td> <td></td> </tr> <tr> <td>concrete pit</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Deep Burial pits:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Chemical</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type of treatment Equipment	No of Units	Capacity Kg/day	Quantity treated or disposed In Kg per Annum	Incinerators-				Plasma Paralysis-				Autoclaves-1 (microbiology Dept)				Microwave				Hydroclave-				Shredder-				Needle tip cutter or destroyer -10				Sharps				encapsulation or		----		concrete pit				Deep Burial pits:				Chemical			
Type of treatment Equipment	No of Units	Capacity Kg/day	Quantity treated or disposed In Kg per Annum																																																				
Incinerators-																																																							
Plasma Paralysis-																																																							
Autoclaves-1 (microbiology Dept)																																																							
Microwave																																																							
Hydroclave-																																																							
Shredder-																																																							
Needle tip cutter or destroyer -10																																																							
Sharps																																																							
encapsulation or		----																																																					
concrete pit																																																							
Deep Burial pits:																																																							
Chemical																																																							

		disinfection: ----- Any other treatment STP 2 Nos 20KLD (Each) equipment:
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	Red Category (like plastic, glass etc.) N/A
	(iv) No of vehicles used for collection and transportation of biomedical waste.	2
	(v) Details of incineration ash and ETP sludge generated and disposal during the treatment of wastes in Kg per annum).	Quantity Generated Where disposal Incineration Ash ETP Sludge- No ETP plant yet
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	M/s SMS Water grace BMW Pvt Ltd 405, 4th Floor, 32-33, Kaushal Bazar, Nehru Place, N.Delhi-19
	(vii) List of member HCF not handed over bio-medical waste.	N/A
6.	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period.	Yes (Minutes attached)
7.	Detail trainings conducted on BMW	
	(i) Number of training conducted on BMW Management..	2
	(ii) Number of personnel trained	30
	(iii) Number of personnel trained at the time of induction	30
	(iv) Number of personnel not undergone any training so far.	Nil
	(v) Whether standard manual for training is available ?	Yes
	(vi) Any other information)	
8.	Details of the accident occurred during the year	
	(i) Number of Accidents occurred	Nil
	(ii) Number of the persons affected	N/A
	(iii) Remedial Action taken (Please attach details if any)	N/A
	(iv) Any Fatality occurred, details.	Nil
9.	Are you meeting the standards of air Pollution from the incinerator?. How many times in last year could not met the standards?	N/A
	Details of Continuous online emission monitoring systems installed	N/A
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year.	NO ETP
11.	It the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	Yes
12.	Any other relevant information	(Air Pollution Control Device attached with the incinerator.)N/A

Certified that the above report is for the period from January 2017 to December 2017

Date: February 2019
Place: Delhi

Name and Signature of the Head of the Institution

Prof. Raj Kumar
Director
Vallabhbhai Patel Chest Institute
University of Delhi
Delhi-110007



VALLABHBHAI PATEL CHEST INSTITUTE
University of Delhi
Delhi-110007

Minutes of the meeting of **Bio-Medical Waste Management Committee** held on 15th May, 2017 at 2:30 PM in the Committee Room of the Department of Biochemistry, V.P Chest Institute, Delhi.

Following Members attended the meeting:

- | | | |
|---------------------------------------------------------------------------------|---|--------------------------|
| 1. Prof. S.K. Bansal | - | Chairman |
| 2. Dr. Hemant Gautam, Scientist,
Radiation Safety Officer, IGIB | - | Member (External Expert) |
| 3. Prof. Archana Thakur
(Director Prof. of Microbiology)
GB Pant Hospital | - | Member (External Expert) |
| 4. Dr. Ritu Kulshreshtha | - | Member |
| 5. Mrs. Dessy Benoy | - | Member |
| 6. Mr. M. Arun Kumar
JE & Officer-in-Charge (Sanitation) | - | Member |
| 7. Dr. Rajinder Bajaj | - | Member Secretary |

Dr. Malini Shariff informed that she wouldn't be able to attend the meeting as she will be on leave.

The following were resolved:

1. The Committee reviewed the status of Bio-medical Waste Management with respect to the guidelines as per DPCC norms and observed that everything is in order and in place as per the norms.

2. Following documents were also reviewed by the Committee.

A. Authorization

B. Consent regarding Air and Water concerns

J.E. Sh. M. Arun Kumar informed the Committee that the authorization have been renewed and shall be in force for a period of Three years valid upto 20.04.2019. He also informed the Committee about the BMW Authorization letter No. (BMW Authorization No. DPCC/BMW/AUTH/NEW NO/2017/02675/5291 dated 14.02.2017, which further states as below:

<u>Sl. No.</u>	<u>Type of waste category</u>	<u>Quantity permitted per handling</u>
(i)	Yellow	12 Kg/Day
(ii)	Red	05 Kg/Day
(iii)	Blue	02 Kg/Day

It is apparent that the above permitted quantity is less. Therefore, to increase the quantity, the representation has already been sent to DPCC by the Administration of the Institute. Regarding consent for Air and Water concern, J.E. informed that the consent by the concerned authority has been granted upto August 2018.

3. The Committee reviewed the vaccination status of the employees. It was informed that the Hepatitis B and Tetanus vaccination of the personnel handling bio-medical waste had already been done and will again be updated as per the requirement.

[Signatures]



VALLABHBHAI PATEL CHEST INSTITUTE

University of Delhi

Delhi-110007

4. It was reiterated and decided that the use of chlorinated plastic bags, gloves etc. has to be completely discontinued as per the latest guidelines strictly, only non-chlorinated material can be used.

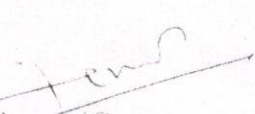
5. It was also reiterated that the laboratory waste, microbiological waste, blood samples and blood bags should be pre-treated through disinfection or sterilization on-site and then sent for final disposal.

6. All the health care workers and other involved in handling of BMW at the time of induction and thereafter at least once every year should be given training and the details of the training programme conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report.

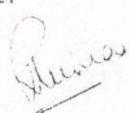
Prof. Archana Thakur was requested to draw a suitable training programme and modalities for it and also involve some DPCC experts for this purpose. She very kindly agreed to prepare the details by middle of July 2017.

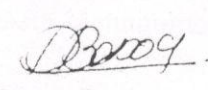
7. The health check-up at the time of induction and at least once in a year for all its health care workers and other involved in handling of BMW should be done and the records for the same be maintained.

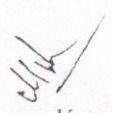
As there was no other matter, the meeting ended with the vote of thanks to the Chair.

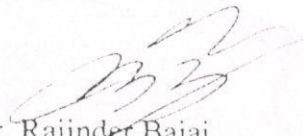

Dr. Hemant Gautam,
(Radiation Safety Officer)
Member

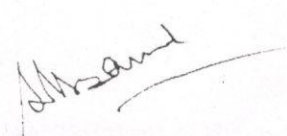
Prof. Archana Thakur
(External Expert)
Member


Dr. Ritu Kulshreshtha
(Member)



Mrs. Dessy Benoy
(Member)


Mr. M. Arun Kumar
(Member)


Dr. Rajinder Bajaj
(Member Secretary)


Prof. S.K. Bansal
(Chairman)

Submitted for kind approval for.


29/5/2017

The Director