

DEPARTMENT OF MICROBIOLOGY  
GOVIND BHALLABH PANT INSTITUTE OF PGMER  
1, JAWAHARLAL NEHRU MARG, NEW DELHI -110002

NO: BMW/GIPMER/2021 /

6880/82

- Dat - 27/5/22

To

The Chairman

Delhi Pollution Control Committee

ISBT Building, Kashmere Gate, Delhi


Subject: Annual Report of BMW Management

Sir /Madam ,

Please find enclosed herewith the Annual Report of Bio Medical Waste Management of Govind Bhallabh Pant Institute of Post Graduate Medical Education and Research New Delhi w.e.f 1.1.2021 to 31.12.2021.

Thanking You,

Yours Sincerely,

  
Dr.H.S. Meena

(Nodal Officer BMW)  
Dr. H.S. Meena  
Nodal Officer (BMW)  
GIPMER, New Delhi-02



O/G

Copy to ~~1~~ Office copy, B.M.W, GIPMER file.

(2) Bio medical waste management cell, Biomedical Incharge

DHS, FIT, Kalkardooma, Delhi - 32, Pin - 110032.

(3) D.P.C.C (member secretary, Delhi Pollution control committee  
4th floor, ISBT Building, Kashmere gate, Delhi).

(4) C.P.C.B (Central pollution control committee,  
Pavesh Bhawan, East Arjun Nagar, Delhi-32)

## Form - IV (See rule 13)

## ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30<sup>th</sup> 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	:	G.I.P.M.E.R.
	(i) Name of the authorized person (occupier or operator of facility)	:	M.S.
	(ii) Name of HCF or CBMWTF	:	SMS WATER GRACE BMW PVT LTD
	(iii) Address for Correspondence	:	M.S. GIPMER, 1, JLN MARG, NEW DELHI 110002
	(iv) Address of Facility	:	SMS WATER GRACE BMW PVT LTD
	(v) Tel. No, Fax. No	:	011 23234242
	(vi) E-mail ID	:	msgbpant@nic.in
	(vii) URL of Website	:	N A
	(viii) GPS coordinates of HCF or CBMWTF	:	NA
	(ix) Ownership of HCF or CBMWTF	:	(State Government or Private or Semi Govt. or any other)PRIVATE
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorization No.: .....2018/03934..... .....valid up to .....26.10.2022.....
	(xi). Status of Consents under Water Act and Air Act	:	Valid up to:
2.	Type of Health Care Facility	:	TEACHING HOSPITAL
	(i) Bedded Hospital	:	No. of Beds: 771
	(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 of CBMWTF	:	
	(i) Number healthcare facilities covered by CBMWTF	:	SMS WATER GRACE BMW PVT LTD
	(ii) No of beds covered by CBMWTF	:	
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	_____ Kg per day

A Jolly  
(Annamma Jolly)  
SR. NSG. officer  
B. M. W. member



Dr. Hukam Singh Meena  
Nodal Officer (BMW)  
GIPMER, New Delhi-02

26/05/2022



	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	_____ Kg/day																																																		
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:	Yellow Category : 60571.76kg Red Category: 75075.81 KG White category: 2206.15 kg Blue Category: 12865.07kg Sludge: 59.09 kg																																																		
5	Details of the Storage, treatment, transportation, processing and Disposal Facility																																																				
	(i) Details of the on-site storage facility	:	Size : Capacity: Provision of on-site storage : (cold storage or any other provision)																																																		
	(ii) Details of the treatment or 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 Pyrolysis</td><td></td><td></td><td></td></tr> <tr><td>Autoclaves</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</td><td>200</td><td></td><td>-</td></tr> <tr><td>Sharps encapsulation or 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 disinfection:</td><td></td><td></td><td>-</td></tr> <tr><td>Any other treatment equipment:</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 Pyrolysis				Autoclaves				Microwave				Hydroclave				Shredder				Needle tip cutter or destroyer	200		-	Sharps encapsulation or concrete pit			-	Deep burial pits:				Chemical disinfection:			-	Any other treatment equipment:			
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	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	:	Red Category (like plastic, glass etc.)																																																		
	(iv) No of vehicles used for collection and transportation of biomedical waste	:																																																			
	(v) Details of incineration ash and ETP sludge generated and disposed	:	<table border="1"> <thead> <tr> <th>Quantity</th> <th>Where</th> </tr> </thead> <tbody> <tr> <td>: 59.09kg</td> <td></td> </tr> <tr> <td>generated</td> <td>disposed</td> </tr> </tbody> </table>			Quantity	Where	: 59.09kg		generated	disposed																																										
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 (Annamma Jolly)  
 SR. NSG. Officer  
 B.M.W. mgmt-cell  
 26/05/2022



Dr. Hukam Singh Meena  
 Nodal Officer (BMW)  
 GIPMER, New Delhi-02

	during the treatment of wastes in Kg per annum		Incineration Ash ETP Sludge
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of		SMS WATERGRACE BMW PVT LTD COMPANY
	(vii) List of member HCF not handed over bio-medical waste.		
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period		YES, COPY ATTACHED
7	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management.		259 +ONSITE
	(ii) number of personnel trained		259 +202 ONSITE = 461
	(iii) number of personnel trained at the time of induction		ALL
	(iv) number of personnel not undergone any training so far		
	(v) whether standard manual for training is available?		YES
	(vi) any other information)		
8	Details of the accident occurred during the year		NIL
	(i) Number of Accidents occurred		NA
	(ii) Number of the persons affected		
	(iii) Remedial Action taken (Please attach details if any)		
	(iv) Any Fatality occurred, details.		
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?		NA
	Details of Continuous online emission monitoring systems installed		
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		ETP

Ajolly

Annamma. Jolly.

Sr. NSS officer

B.M.W. mgmt-cell

26/05/2022



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11	disinfection method or sterilization meeting the Log 4 standards? How many times you have not met standard in a year?	NA
12	Any other relevant information?	(Air pollution control devices attached with the incinerator)

Certified that the above Report is for the period from 1 January 2021 to 31 December 2021.

Date: 26/05/2022

Place: New Delhi

Name and Signature of Head of BMW Department



Dr. Hukam Singh Meena

Nodal Officer (BMW)

GIPMER, New Delhi-02

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26/05/2022.



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E-mail : info@alphatesthouse.com, support@alphatesthouse.com

+91-1276-661511(Admin), 8527763108  
+91-1276-661500(Resi), 8130453334  
www.alphatesthouse.com

ALPHA

(ISO 9001)

TEST REPORT

Test Report No.- ATL0431102021	Letter Date : 12/02/2021	Page- 1 of 1
Name and Address of Customer	Assistant Engineer (E) PWD, G.B. Pant Hospital Aruna Asaf Ali, Govt. Hospital New Delhi.	
Sample Received Date : 12/02/2021	Start Date of Analysis : 12/02/2021	
Report Issue Date : 15/02/2021	End Date of Analysis : 15/02/2021	
Sample Type : ETP Water (outlet)	Grade : N/A	
Sample Description : Make :-	Type of Sampling : N/A	
Sample Quantity : 1 litre		
Name of Work : N/A	Reference No. -- Wt/DW/112/2021	
Agreement No. : N/A		
Name of Agency : N/A	Environmental Condition : N/A	
Location of Sampling point : N/A	Indian Standard Reference : EPA-1986 (Schedule-VI)	
Sampling Plan/Procedure : N/A		
Sampling done by : By Customer		
Any Other Information (if any) : --		

Test Results

Sr. No.	Test Parameters	Units of Measurements	Results	Requirement as per EPA -1986 (Schedule-VI)	Method Reference
CHEMICAL PROPERTIES					
1.	pH	--	7.23	5.5-9.0	IS:3025(P-11)-1983 RA 2017
2.	Total Suspended Solids	mg/l	36	100	IS:3025(P-17)-1984 RA 2017
3.	Oil & Grease	mg/l	BDL(DL-2)	10	IS:3025(P-39)-1991 RA 2019
4.	Chemical Oxygen Demand	mg/l	164	250	IS:3025(P-58)-2006 RA 2017
5.	Biochemical Oxygen Demand (For 3 days at 27°C)	mg/l	20	30	IS:3025(P-44)-1993 RA 2019
6.	Total Dissolved Solids	mg/l	1510	2100	IS:3025(P-16)-1984 RA 2017

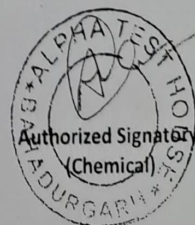
Note:- BDL:- Below Detection Limit. , DL:-Detection Limit.

Remarks: - The Sample Conforms to EPA-1986 (Schedule-VI) for Waste Water w.r.to above tests only.

\*\*End of Report\*\*

For Alpha Test House  
Verified By

Assistant Engineer (E), HC-3  
HMED(C), P. W. D.  
GIPMER, New Delhi



Dated : 18-09-2021



BIOMEDICAL WASTE MANAGEMENT COMMITTEE  
G B PANT INSTITUTE OF POSTGRADUATE MEDICAL  
EDUCATION AND RESEARCH, NEW DELHI

Dated 18<sup>th</sup> September 2021


A meeting of the Biomedical Waste Management Committee was held on the 18<sup>th</sup> September 2021 in the Seminar room under the Chairmanship of Dr Poonam Loomba. The following members attended the meeting

- Dr Poonam Loomba, Chairperson, BMW, HOD Microbiology
- Dr Manisha Jain, Associate Professor, Microbiology
- Dr H S Meena, Nodal Officer, BMW
- Sister Nirmala Toppo, ANS, BMW
- Sister Annama Jolly, Sr Nsg. Officer, BMW
- Sister Asha Samuel, Nsg Officer, BMW
- Sister Radha Choudhary, Nsg Officer, BMW
- Sister Neeta, Nsg Officer, BMW
- Mr Manish Kumar (AE), PWD
- Mr Pradeep Kumar (JE), PWD

The Agenda of the meeting was:

1. Pending BMW work
2. Barcoding
3. Equipment (trolleys, sharp containers etc)
4. Posters
5. Microwave
6. Any other matter

1. The ramp leading to the storage room for Red and Yellow bags is broken. Also the wire netting required on the doors of the storage room to keep out pests has not yet been installed despite reminders to PWD Civil. Matter to be discussed with PWD incharge
2. The requirement of trolleys, bins, harp containers was discussed.
  - a. There is a shortage of appropriate containers
  - b. It was decided to take a demonstration of sharp containers and the needle/ hub cutter. It was decided that both are to be procured from the same vendor so that compatibility is ensured.
  - c. Revised list of trolleys/ bins / cutter to be submitted for procurement
3. Barcode labels: Sister Annama raised the issue of delay in issue of order of barcode stickers. It was decided that the demand would be sent for annual requirement instead of quarterly requirement
4. BMW posters: The posters of BMW have not been changed as per 2016 rules. The BMW committee tried to procure from GEM. However, the item was not available on GEM as per requirements. It was decided to explore the option of obtaining through three quotations/ OTE depending upon the cost.
5. Microwave: The existing microwave is more than 13 years old. It has not been functional since the last few years as there is no AMC and repairs could not be done. The file was sent for AMC but due to the high cost, it was not approved. The committee has decided to proceed for condemnation of the microwave and look into procuring a new microwave.

  
Dr Poonam Loomba

Copy to

1. Director
2. Medical superintendent
3. Nursing Superintendent
4. Sister I/C BMW
5. Members BMW