



सत्यमेव जयते

भारत सरकार  
Government of India  
स्वास्थ्य एवं परिवार कल्याण मंत्रालय  
Ministry of Health & Family Welfare  
वर्धमान महावीर मेडिकल कॉलेज एवं सफदरजंग अस्पताल, नई दिल्ली 110029  
Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi-110029  
जैव चिकित्सा अपशिष्ट यूनिट  
Biomedical Waste Unit



BY SPEED POST

Dated: 22/1/23

F.no.6 /BMW/Monthly Report/19

To,

The Delhi Pollution Control Committee

Department of Environment

(Govt. of NCT of Delhi)

4<sup>th</sup> & 5<sup>th</sup> Floor, ISBT Building,

Kashmiri Gate, New Delhi-02

Attn: Sr. Environmental Engg.

Sub: Annual report of Bio-medical Waste generated and disposed to CBMWTF in the year 2022.

Sir,

In accordance with the rule 13, of Biomedical Waste Management Rules 2016 & BMWM (Amendment) Rules 2018 & 2019 and CPCB guidelines 2020, 2022. Please find enclosed herewith the annual report in form IV Biomedical Waste generated and handed over to the SMS Water Grace BMW P. Ltd. (CBMWTF) for final disposal in the year 2022.

Submitted,

Yours Sincerely,

(Dr. Malini R. Capoor)  
Incharge (BMW)

*Malini R. Capoor*  
18-01-2023

(Dr. B. L. Sherwal)  
Medical Superintendent  
VMMC and Safdarjung Hospital

**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.	<b>Particulars of the Occupier</b>	:																						
	i) Name of the authorized person (occupier or operator of facility)	:	Dr. B. L. Sherwal, Medical Superintendent																					
	ii) Name of HCF	:	VMMC & Safdarjung Hospital																					
	iii) Address for Correspondence	:	MS Office, VMMC & SJH,.																					
	iv) Address of Facility	:	Aurobindo Marg, New Delhi-110023																					
	v) Tel.no. Fax No.	:	26730282, 26730555, 26161920(Fax)																					
	vi) E-mail ID	:	msoffice sjh@gmail.com msoffice @vmmc-sjh.nic.in																					
	vii) URL of Website	:	www.vmmc-sjh.nic.in																					
	viii) GPS coordinates of HCF	:	N/A																					
	ix) Ownership of HCF or CBMWTF	:	(State Govt. or Private or Semi Govt. or any other) Central Government.																					
	x) Status of Authorization under the Bio-Medical Waste(Mgmt. & Handling)Rules	:	Authorized upto 10.06.2024.																					
	xi) Status of Consents under Water Act and Air Act	:	CTE was filed by Estate/HSCC/CPWD on 14.09.2022. Renewal CTO under process in Estate/HSCC/CPWD. <sup>1</sup>																					
2.	<b>Type of Health Care Facility</b>	:																						
	i) Bedded Hospital	:	No. of Beds : 2425																					
	ii) Non-Bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Instt. Or Veterinary Hospital or any other)	:	--																					
	iii) License number and its date of expiry	:	--																					
3.	<b>Details of CBMWTF</b>	:																						
	i) Number of healthcare facilities covered by CBMWTF	:	--																					
	ii) No. of beds covered by CBMWTF	:	--																					
	iii) Installed treatment and disposal capacity of CBMWTF	:	Authorized SMS Water Grace BMW Pvt, Ltd.																					
	iv) Quantity of Biomedical waste treated or disposed by CBMWTF	:																						
4.	Quantity of waste generated or disposed in Kg. per annum (or monthly average basis)		<table border="1"> <thead> <tr> <th>Category</th> <th>Per Annum</th> <th>Monthly avg.(kg)</th> </tr> </thead> <tbody> <tr> <td>Yellow Category</td> <td>620875.922kg</td> <td>51,739.66</td> </tr> <tr> <td>Red Category</td> <td>484618.81kg.</td> <td>40,384.90</td> </tr> <tr> <td>White Category</td> <td>5858.295kg.</td> <td>488.19</td> </tr> <tr> <td>Blue Category</td> <td>85439.464kg.</td> <td>7119.95</td> </tr> <tr> <td></td> <td colspan="2">Glass: 85232.464kgs.</td> </tr> <tr> <td></td> <td colspan="2">Metal: 207.00kgs.</td> </tr> </tbody> </table>	Category	Per Annum	Monthly avg.(kg)	Yellow Category	620875.922kg	51,739.66	Red Category	484618.81kg.	40,384.90	White Category	5858.295kg.	488.19	Blue Category	85439.464kg.	7119.95		Glass: 85232.464kgs.			Metal: 207.00kgs.	
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5. Details of Storage, treatment, transportation, processing & disposal facility—HCF																																																				
	i. Details of the on-site storage facility	:	Size : (6.27 mts. X 3.17 mts.) Capacity : 5000Kgs. Provision of on-site storage : Onsite storage facility has compartments to keep general waste separated from BMW, has exhausts, water supply & good drainage.																																																	
	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</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td>-</td> <td>-</td> <td>N.A.</td> </tr> <tr> <td>Plasma Pyrolysis</td> <td>-</td> <td>-</td> <td>N.A.</td> </tr> <tr> <td>Autoclaves</td> <td>09</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 Sharps</td> <td>975</td> <td></td> <td>Provided</td> </tr> <tr> <td>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>Provided</td> </tr> <tr> <td>Any other treatment Equipments:</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	Incinerators	-	-	N.A.	Plasma Pyrolysis	-	-	N.A.	Autoclaves	09			Microwave	-	-		Hydroclave	-	-		Shredder	-	-		Needle tip cutter Or destroyer Sharps	975		Provided	Encapsulation or Concrete pit	-	-		Deep burial pits	-	-		Chemical disinfection			Provided	Any other treatment Equipments:	-	-		
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	ii. Quantity of recyclable waste sold to authorized recyclers after Treatment in kg. per annum		-N.A.																																																	
	iv. No. of vehicles used for collection and transportation of biomedical waste		Dedicated color coded trolleys are used for internal collection of biomedical waste from generation point to common waste storage site in Safdarjung hospital,																																																	
	v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:	<table border="1"> <thead> <tr> <th></th> <th>Quantity Generated</th> <th>where disposed</th> </tr> </thead> <tbody> <tr> <td>Incineration Ash</td> <td colspan="2">Biomedical waste outsourced to the authorized CBMWTF SMS Water Grace, BMW Pvt.Ltd. Ashes generated and disposed off in CBMWTF on per BMWM Rules 2016 &amp; BMWM (amendment) Rules 2018 .</td> </tr> <tr> <td>ETP Sludge</td> <td colspan="2">1. Two ETP/STP are functional in Safdarjung Hospital 2. Effluent discharge is being tested by DPCC approved lab. Regularly.</td> </tr> </tbody> </table>			Quantity Generated	where disposed	Incineration Ash	Biomedical waste outsourced to the authorized CBMWTF SMS Water Grace, BMW Pvt.Ltd. Ashes generated and disposed off in CBMWTF on per BMWM Rules 2016 & BMWM (amendment) Rules 2018 .		ETP Sludge	1. Two ETP/STP are functional in Safdarjung Hospital 2. Effluent discharge is being tested by DPCC approved lab. Regularly.																																								
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	vi) Name of the Common Bio Medical Waste Treatment Facility Operator through which wastes are disposed of	:	SMS Water Grace, BMW Pvt.Ltd., Nilothi, New Delhi																																																	
	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 meeting held during the reported period.	:	Yes. BMW Management Committee meeting held on 27.06.2022 & 07.11.2022, Minutes of the meeting enclosed.																																																	
7.	Details training conducted on BMW i) Number of trainings conducted on BMW Management	:	266 sessions																																																	

	ii) Number of personnel trained	:	4742, as all the departments were covered.
	iii) Number of personnel trained at the time of induction	:	All
	iv) Number of personnel not undergone any training so far	:	Nil
	v) Whether standard manual for training is available?	:	Yes
	vi) Any other information	:	
<b>8.</b>	Details of the accident occurred during the year	:	Nil
	i. Number of Accidents occurred	:	Nil
	ii. Number of person affected	:	Nil
	iii. Remedial Action taken (please attach details, if any)	:	Regular Health check up & Immunization camps are held. Total: 241 (First: 78. Second: 108 and Booster:55) doses of HBV Vaccination were given to the various hospital staff. T.T : 24 doses
<b>9.</b>	Are you meeting the standards of Air Pollution from the incinerator? How many times in last year could not met the standards?	:	Not applicable.
	Details of continuous online emission monitoring systems installed.	:	Not applicable
<b>10.</b>	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	:	1. Two ETP/STP are functional in Safdarjung Hospital 2. Effluent discharge is being tested by DPCC approved lab regularly.
<b>11.</b>	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	:	Yes Disinfection & sterilization standards and controls are being done regularly and are met.
<b>12.</b>	Any other relevant information	:	<b>COVID-19 BMW Waste (January to December 2022)</b> (Double bags are used) :Yellow:2793.605kgs, Red: 2366.87kgs, Blue(Glass):51.15kgs, Blue(Metal): Nil, Sharp(White): Nil, Cytotoxic waste: Nil

Certified that the above report is for the period from **01.01.2022 to 31.12.2022.**

*Malini R. Capoor*  
18.01.2023  
(Dr. Malini R. Capoor)  
Incharge (BMW)

Date :  
Place:

*B. L. Sherwal*  
24/1/23  
(Dr. B. L. Sherwal Medical Superintendent)  
Name & Signature of Head of the Instt.