

MSSH/PPG/OB/859

*MS 15/5/18*

(ENQUIRY COUNTER)  
DELHI POLLUTION CONTROL COMMITTEE  
DEPARTMENT OF ENVIRONMENT  
GOVT. OF NCT OF DELHI  
4TH FLOOR, ISBT BUILDING,  
KASHMERE GATE, DELHI-110006

May 10, 2019

Delhi Pollution Control Committee  
4<sup>th</sup> Floor, ISBT Main Building  
Kashmere Gate  
Delhi - 110006.

**Subject : BMW Annual Report.**

Dear Sirs,

We are enclosing herewith Annual Report in Form-IV pertaining to generation and disposal of Bio-Medical Waste at our hospital, Max Super Speciality Hospital (a unit of Balaji Medical & Diagnostic Research Centre), OLD BUILDING, 108-A, Indraprastha Extension, Patparganj, Delhi-110092 for the period from 01.01.2018 to 31.12.2018.

We are also enclosing herewith original Yearly Collection Report for the year 2018 issued by CBWMTF, SMS Water Grace

Thanking you

Dr. Mohita Chandra

Medical Superintendent

Max Super Speciality Hospital

Yours faithfully

For Max Super Speciality Hospital

(a unit of Balaji Medical & Diagnostic Research Centre)

Encl: BMW annual report in Form-IV with Annexure

**Form - IV**  
(See rule 13)  
**ANNUAL REPORT**

[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)]

S No.	Particulars																																							
1.	Particulars of the Occupier																																							
	(i) Name of the authorised person (occupier or operator of facility)	MAX SUPER SPECIALITY HOSPITAL (a unit of Balaji Medical & Diagnostic Research Centre)																																						
	(ii) Name of HCF or CBMWTF	SMS Water Grace BMW Pvt. Ltd.																																						
	(iii) Address for Correspondence	108-A, Indraprastha Extension, Patparganj, Delhi-110092																																						
	(iv) Address of Facility	108-A, Indraprastha Extension, Patparganj, Delhi-110092																																						
	(v) Tel. No, Fax. No	011-43033333																																						
	(vi) E-mail ID																																							
	(vii) URL of Website																																							
	(viii) GPS coordinates of HCF or CBMWTF																																							
	(ix) Ownership of HCF or CBMWTF	Private Hospital																																						
	(x) Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	Authorisation No. DPCC/BMW/AUTH/NEWNo/2018/03920  Valid upto :- 21-08-2019																																						
(xi) Status of Consents under Water Act and Air Act	Valid up to :- 19-11-2022																																							
2.	Type of Health Care Facility																																							
	(i) Bedded Hospital	No. of Beds: 147																																						
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)																																							
(iii) License number and its date of expiry	675 / 31-03-2020																																							
3.	Details of CBMWTF																																							
	(i) Number healthcare facilities covered by CBMWTF	3562																																						
	(ii) No of beds covered by CBMWTF	31324																																						
	(iii) Installed treatment and disposal capacity of CBMWTF	28.8 TONNES per day																																						
(iv) Quantity of biomedical waste treated or disposed by CBMWTF	12021 Kg/day																																							
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow Category: 25742 kg/Annum Red Category: 42128 kg/Annum White: 2881 kg/Annum Blue Category: 13144 kg/Annum General Solid waste: 74244 Kg/Annum																																						
	Details of the Storage, treatment, transportation, processing and Disposal Facility																																							
	(i) Details of the on-site storage facility	Size: 173.25 Sq. Ft. Capacity: 1472 Kg/day 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>2</td> <td>250 Kg/Hr.</td> <td>1876 Ton</td> </tr> <tr> <td>Plasma Pyrolysis</td> <td>NA</td> <td>MA</td> <td>MA</td> </tr> <tr> <td>Autoclaves</td> <td>2</td> <td>700 Kg/Hr</td> <td>1856 Ton</td> </tr> <tr> <td>Microwave</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Hydroclave</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Shredder</td> <td>3</td> <td>550 Kg/Hr.</td> <td>1856 Ton</td> </tr> <tr> <td>Needle tip cutter or destroyer</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Sharps encapsulation</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>			Type of treatment equipment	No of units	Capacity Kg/ day	Quantity treated or disposed in kg per annum	Incinerators	2	250 Kg/Hr.	1876 Ton	Plasma Pyrolysis	NA	MA	MA	Autoclaves	2	700 Kg/Hr	1856 Ton	Microwave	NA	NA	NA	Hydroclave	NA	NA	NA	Shredder	3	550 Kg/Hr.	1856 Ton	Needle tip cutter or destroyer	NA	NA	NA	Sharps encapsulation	NA	NA	NA
		Type of treatment equipment	No of units	Capacity Kg/ day	Quantity treated or disposed in kg per annum																																			
Incinerators		2	250 Kg/Hr.	1876 Ton																																				
Plasma Pyrolysis		NA	MA	MA																																				
Autoclaves		2	700 Kg/Hr	1856 Ton																																				
Microwave		NA	NA	NA																																				
Hydroclave		NA	NA	NA																																				
Shredder		3	550 Kg/Hr.	1856 Ton																																				
Needle tip cutter or destroyer	NA	NA	NA																																					
Sharps encapsulation	NA	NA	NA																																					

		or concrete pit		
		Deep burial pits: Chemical disinfection	1	400Kg/ Hr. 479 Ton
		Any other treatment equipment	NA	NA NA
(iii)	Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	Red Category (like plastic, glass etc.) 1346 Tonnes		
(iv)	No of vehicles used for collection and transportation of biomedical waste	33 (Close body vehicles as per BMW rule 2016)		
(v)	Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum		Quantity generated	Where disposed
		Incineration		
		Ash		
		ETP Sludge		
(vi)	Name of the Common BioMedical Waste Treatment Facility Operator through which wastes are disposed of	SMS WATER GRACE BMW PVT LTD.		
(vii)	List of member HCF not handed over bio-medical waste	NA		
6.	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	Yes Minutes of the Meeting attached herewith		
		Details trainings conducted on BMW		
(i)	Number of trainings conducted on BMW Management.	24		
(ii)	Number of personnel trained	168		
(iii)	Number of personnel trained at the time of induction	24		
(iv)	Number of personnel not undergone any training so far	Nil		
(v)	Whether standard manual for training is available?	Yes		
(vi)	Any other information	NA		
		Details of the accident occurred during the year		
(i)	Number of Accidents occurred	0		
(ii)	Number of the persons affected	0		
(iii)	Remedial Action taken (Please attach details if any)	0		
(iv)	Any Fatality occurred, details.	No		
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	Yes, Nil		
10.	Details of Continuous online emission monitoring systems installed	NA		
11.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	Yes, Nil		
12.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	Yes, Nil		
13.	Any other relevant information.	(Air Pollution Control Devices attached with the Incinerator)		

Certified that the above report is for the period from 01.01.2018 to 31.12.2018.



Date: 10- May-2019  
Place: Patparganj, Delhi- 110092



Name and Signature of the Head of the Institution

Dr. Mohita Chandra  
Medical Superintendent  
Max Super Speciality Hospital  
Patparganj Delhi - 110092

FORM-I

[(See rule 4(o), 5(i) and 15(2))]

ACCIDENT REPORTING - PPG-I  
Year - 2018 (Jan - Dec)

1. Date and time of accident:  NIL
2. Type of accident:  NIL
3. Sequence of events leading to accident:
4. Has the authority been informed immediately:
5. The type of waste involved in accident
6. Assessment of the effects of the accident on human health and the environment: NIL
7. Emergency measures taken:
8. Step taken to alleviate the effect of accident:
9. Steps taken to prevent the reoccurrence of such an incident:
10. Does your facility has an emergency control policy? if yes give details

Date: 12-April-2019

Signature: *[Signature]*

Place: Max balaji medical  
& diagnostic Research  
centre, - PPG-I

Designation: Biomedical Nodal  
Officer.

Auth. No. DPCE/CII(5)(155)/E-186/BMW-08/7796

*[Signature]*

*[Signature]*

Dr. Mohita Chandre  
Medical Superintendent  
Max Super Speciality Hospital  
Gurgaon, Delhi - 110022

## MINUTES OF THE MEETING

Date: December 2018

Venue: 4th floor training room

Topic: BIO MEDICAL WASTE MANAGEMENT COMMITTEE

**Attended By:**

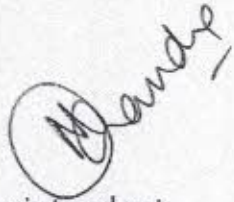
- ❖ Dr. Mohita Chandra - Chairperson
- ❖ Dr. Ranjana Chabra
- ❖ Dr. Suchitra Jain
- ❖ Dr. Chitrang Shah
- ❖ Ms. Baisakhi Jain
- ❖ Mr. Ravi yadav
- ❖ Ms. Priyanka Sachdeva
- ❖ Mr. Aravind Kumar Jha
- ❖ Ms. Elizabeth Santosh
- ❖ Ms. Smitha Murali
- ❖ Mr. Deepumon V B

S.No.	DISCUSSION HELD	RESPONIBILITY	Remarks	Closure Status
1	BMW bin sticker should be on bilingual , Make all the sticker in better quality, and any changes of sticker need approval from BMW Committee members	HK heads/ Commercial	All BMW stickers converted in Hindi and in English for all areas.	Closed
2	Any new or alternative cleaning agent to be used for Biomedical waste area like dirty utility or BMW central waste store area or chemical used for surface disinfection must have prior approval from BMW committee.	commercial	Commercial is now following the guideline and no deviation observed post discussion	Closed

3	Biomedical Autoclave machine for Blood Bags should have temperature display as per specified BMW rules 2016.	Commercial	A separate temperature display installed with the main unit of autoclave by Engineering department.	Closed
4	Introduction of new BMW posters to be done in A3 size	Commercial	New A3 size BMW posters procured and displayed at all BMW colored bins in dirty utility.	Closed
5	BMW handlers Vaccination status to be documented and to be validated	HK Head	All BMW handlers are vaccinated as per policy, Old staff have consent letters that they are vaccinated and they need not repeat vaccination.	Closed
6	BMW bins to be audited for repair work required like painting of pedestal metal frame.	HK Head	All identified faulty BMW bins (Small and large) repaired and painted.	Closed
7	Color of the stickers and lid cover of BMW bin to be in sync with main body color	HK Head/ Commercial	Stickers and lid cover color changed in sync with BMW bin main body	Closed
8	Quality of Heavy gloves of BMW handlers to be checked and replaced	HK Head	Better-quality heavy gloves provided to all BMW handlers.	Closed
9	Identification of location for new hub cutters to be decided and to be fixed	Commercial	200 Hub cutters procured and fixed at all identified locations in ICU and in wards area that include individual patient rooms	Closed
10	Blood bag autoclave process should be done under supervision of HK supervisors and problem if found to be escalated to HK Manager	HK head	Autoclaving is happening in presence of HK shift supervisors and any issue/ breakdown is getting escalated to HK manager in real time.	Closed
11	Dead foetus BMW disposal documentation to be done	Nursing Supervisor	Dead foetus forms are getting signed by MS or	

	properly filed and with signature of MS or DMS in case if MS is not available		by DMS in case if MS is not available.	Closed
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Regards



Medical Superintendent

(Dr. Mohita Chandra)



Dr. Mohita Chandra  
Medical Superintendent  
Max Super Speciality Hospital  
Patparganj Delhi - 110092

**Max Super specialty Hospital- Patparganj, Delhi**

(A unit of Balaji Medial &amp; diagnostic research Centre)

S. No.	Month	Date	PPG-1	
			Trainer Name	Training Attended by Staff
1	Jan-2018	7-Jan-18	Sanjeev	38
2		22-Jan-18	Majahar	34
3	Feb-2018	7-Feb-18	Majahar	39
4		22-Feb-18	Sanjeev	40
5	Mar-2018	7-Mar-18	Majahar	42
6		22-Mar-18	Dhanbeer	39
7	Apr-2018	7-Apr-18	Virender	35
8		22-Apr-18	Rajeev	42
9	May-2018	7-May-18	Majahar	33
10		22-May-18	Rajeev	36
11	Jun-2018	7-Jun-18	Sanjeev	40
12		22-Jun-18	Virender	38
13	Jul-2018	7-Jul-18	Ravi Yadav	26
14		22-Jul-18	Ravi Yadav	25
15	Aug-2018	7-Aug-18	Sanjeev	30
16		22-Aug-18	Sanjeev	35
17	Sep-2018	7-Sep-18	Rajeev	28
18		22-Sep-18	Sanjeev	33
19	Oct-2018	7-Oct-18	Rajeev	35
20		22-Oct-18	Shishpal	32
21	Nov-2018	7-Nov-18	Rajeev	35
22		22-Nov-18	Shishpal	28
23	Dec-2018	7-Dec-18	ICN Team	33
24		22-Dec-18	ICN Team	38

PPG-1 Year 2018 total person trained = 168




Dr. Mohita Chandra  
Medical Superintendent  
Max Super Speciality Hospital  
Patparganj Delhi - 110092



Balaji Medical & Diagnostic Research Centre  
 108A, IP EXTN., PATPARGANJ NEW DELHI 110092  
 OLD BUILDING (PPG-1)



Client Code: CO03018/92/PH

YEARS: 2018

### Annual BMW Report

Date	Yellow	Red		Sharps	Total kg
January	1913.42	3633.08	945.72	225.45	6717.67
February	2037.99	3538.21	1010.47	285.36	6872.03
March	2229.00	3997.00	1033.00	273.00	7532.00
April	2499.00	3490.00	1205.00	261.00	7455.00
May	2007.00	3690.00	1087.00	244.00	7028.00
June	2137.00	3418.00	1067.00	196.00	6818.00
July	2028.00	3398.00	1202.00	205.00	6833.00
August	2049.00	3275.00	1173.00	217.00	6714.00
September	2048.00	2906.00	1035.00	327.00	6316.00
October	2116.00	3345.00	1161.00	308.00	6930.00
November	2237.00	3751.00	1138.00	178.00	7304.00
December	2441.00	3687.00	1136.00	178.00	7442.00
<b>TOTAL</b>	<b>25742.41</b>	<b>42128.29</b>	<b>13193.19</b>	<b>2897.81</b>	<b>83961.70</b>

