

MSSH/WB/209

April 22, 2019

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

23/04/19
(ENQUIRY COUNTER)
DELHI POLLUTION CONTROL COMMITTEE
DEPARTMENT OF ENVIRONMENT
GOVT. OF NCT OF DELHI
4TH FLOOR, ISBT BUILDING,
KASHMERE GATE, DELHI-110006

Subject : BMW Annual Report.

Dear Sirs,

We are enclosing herewith Annual Report in Form-II pertaining to generation and disposal of Bio-Medical Waste at our hospital, Max Super Speciality Hospital (a unit of Max Healthcare Institute Ltd.), 1 Press Enclave Road, Saket, New Delhi-110017 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 Biotic waste Solutions Private Ltd.,

Thanking you

Heharpat
Yours faithfully

For Max Super Specialty Hospital
(A unit of Devki Devi Foundation)



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)	General H S Mangat																																																
	(ii) Name of HCF or CBMWTF	Max Super speciality Hospital (A unit of Devki devi Foundation)																																																
	(iii) Address for Correspondence	2, press enclave road, Saket																																																
	(iv) Address of Facility	2, press enclave road, Saket																																																
	(v) Tel. No, Fax. No	01126515050																																																
	(vi) E-mail ID	hsmangat@maxhealthcare.com																																																
	(vii) URL of Website	www.devkidevifoundation.com																																																
	(viii) GPS coordinates of HCF or CBMWTF	Nil																																																
	(ix) Ownership of HCF or CBMWTF	Private Hospital																																																
	(x) Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	Authorisation No. DPCC/(11)(5)(154)S-211/BMW-08/6650 Valid upto - 24 -09- 2019																																																
	(xi) Status of Consents under Water Act and Air Act	Valid up to 19-12-2022																																																
2.	Type of Health Care Facility																																																	
	(i) Bedded Hospital	No. of Beds : 328																																																
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	Nil																																																
	(iii) License number and its date of expiry	DGHS/NH/671 and 31-3-2020																																																
3.	Details of CBMWTF																																																	
	(i) Number healthcare facilities covered by CBMWTF	Not applicable																																																
	(ii) No of beds covered by CBMWTF	Not applicable																																																
	(iii) Installed treatment and disposal capacity of CBMWTF	Not applicable																																																
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	Not applicable																																																
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow Category : 4072 Kg/m Red Category : 10497 Kg/m White: 705 Kg/m Blue Category : 2376Kg/m General Solid waste: 11772.5 Kg/m																																																
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>NA</td> <td></td> <td></td> </tr> <tr> <td>Plasma Pyrolysis</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>Autoclaves</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>Microwave</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>Hydroclave</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>Shredder</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>Needle tip cutter or destroyer</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>Sharps encapsulation or concrete pit</td> <td>NA</td> <td></td> <td></td> </tr> <tr> <td>Deep burial pits:</td> <td>NA</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>NA</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	NA			Plasma Pyrolysis	NA			Autoclaves	NA			Microwave	NA			Hydroclave	NA			Shredder	NA			Needle tip cutter or destroyer	NA			Sharps encapsulation or concrete pit	NA			Deep burial pits:	NA			Chemical disinfection				Any other treatment equipment	NA		
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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.) N.A
	(iv) No of vehicles used for collection and transportation of biomedical waste	:	1
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum		Quantity generated
		Incineration	N.A
		Ash	N.A
		ETP Sludge	N.A
	(vi) Name of the Common BioMedical Waste Treatment Facility Operator through which wastes are disposed of	:	Biotic waste solution Pvt. Ltd.
	(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 .(Attached)
7.	Details trainings conducted on BMW		
	(i) Number of trainings conducted on BMW Management.	:	204
	(ii) Number of personnel trained	:	2302
	(iii) Number of personnel trained at the time of induction	:	125 (Monthly avg.)
	(iv) Number of personnel not undergone any training so far	:	Nil
	(v) Whether standard manual for training is available?	:	Yes
	(vi) Any other information	:	Nil
8.	Details of the accident occurred during the year	:	
	(i) Number of Accidents occurred	:	Nil
	(ii) Number of the persons affected	:	Nil
	(iii) Remedial Action taken (Please attach details if any)	:	Nil
	(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 We have no Incinerator.
10.	Details of Continuous online emission monitoring systems installed	:	N.A
11.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	:	STP has been provided. All parameters within the limit.
12.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	:	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.

H. K. Gupta



Name and Signature of the Head of the Institution

Date: 19.4.2019
Place : New Delhi



AUTHORISATION UNDER BIO MEDICAL WASTE MANAGEMENT RULES, 2016

FORM III

(Authorization for operating a facility for Collection, Reception, Treatment, Storage, Transport and Disposal of Bio-Medical Wastes.)

BMW Authorisation No. DPCC/BMW/AUTH/NEWNo/2017/03295

File number of authorization DPCC/(11)(5)(154)/S-211/BMW-08 **16650**

Date: 13-10-2017

(Authorization for operating a facility for generation, collection, reception, treatment storage, transport and disposal of Bio-Medical Wastes)

1. File number of authorization DPCC/(11)(5)(154)/S-211/BMW-08

2. **Ms. MAX SUPER SPECIALITY HOSPITAL (A UNIT OF DEVKI DEVI FOUNDATION)** an occupier/operator of the facility located at **2 PRESS ENCLAVE ROAD SAKET New Delhi - 110017** is hereby granted an authorization for Activity Bio-Medical Waste : **Generation, segregation, Collection, Storage**

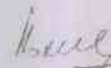
3. **M/s MAX SUPER SPECIALITY HOSPITAL (A UNIT OF DEVKI DEVI FOUNDATION)** is hereby authorized for handling of biomedical waste as per the capacity given below:

- (i) Number of beds of HCF: 320
- (ii) Quantity of Biomedical waste handled, treated or disposed: 595 Kg/Day

Type of Waste Generated	Quantity permitted for Handling
(i) Yellow	150 Kg/Day
(ii) Red	320 Kg/Day
(iii) White (Translucent)	40 Kg/Day
(iv) Blue	85 Kg/Day

4. This authorization shall be in force for a period of Three Years valid upto 24-09-2019

5. This authorization is subject to the conditions stated below* and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986


 Signature **Dr. BMS REDDY**
 Sr. Env. Engineer (GDC)
 Designation : **SEE, DPCC, Delhi Pollution Control Committee**


*** Terms and conditions of authorization**

1. The occupier shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The occupier shall comply with the standards prescribed in Schedule II of Bio-Medical Waste Management Rules, 2016, for the discharge of the Waste Water / Effluent generated.
3. The authorization or its renewal shall be produced for inspection at the request of any officer authorized by DPCC.
4. The person authorized shall not rent, lend, sell, transfer or otherwise transport the bio-medical waste without obtaining prior permission of DPCC.
5. It is the duty of the authorized person to take prior permission of the prescribed authority i.e. Delhi Pollution Control Committee to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.
6. It shall be ensured that the Bio Medical Waste is finally treated within a period of 48 hours. If for any reason it becomes unavoidable, intimation should be given in writing to DPCC and measures are to be ensured so that the waste does not adversely affect human health and the environment.
7. The occupier shall have a valid agreement with the operator of a facility authorized by DPCC for disposal of the bio-medical waste in case the occupier does not treat the waste himself.
8. The occupier shall submit the copy of such valid agreement to this office within 15 days of signing of previous agreement or in case of any change.
9. The occupier shall ensure that bio-medical waste is not mixed with other wastes and is segregated into containers / bags at the point of generation in accordance with Schedule-I (part I). The Bio-Medical Waste shall be handed over to transporter / operator of a CBMWTF duly segregated, labeled, tagged and kept in proper containers for the transportation as per rules.
10. The occupier shall maintain records of the Bio-Medical Waste generated and disposed of/ handled on daily basis. The record shall be made available for inspection & verification to any officer authorized by DPCC.
11. The occupier shall submit the Annual Report in Form-IV by 30th June every year, including information about the categories and quantities of bio-medical waste generated from 1st January to 31st December of the preceding year.

12. In case of any accident involving Bio-Medical Waste, the occupier shall report the accident in Form-1, prescribed under the Rules, to DPCC.
13. In case of failure to comply with any of the above conditions and / or with any provision of the Act or of these Rules, authorization issued to the Occupier may be suspended or cancelled as per the provisions under sub-rule 10 (2) of Bio-Medical Waste Management Rules, 2016, as amended to date.
14. Submission of false information shall make the authorization liable for cancellation without any notice.
15. The occupier shall apply for renewal of authorization under the aforementioned Rules before the expiry of the expiry of this authorization.
16. In case the occupier is having a DG Set, he shall comply with the noise standards laid down vide Gazette Notification of Ministry of Environment and Forest (MOEF), Government of India Dated 17.05.2002 and 12.07.2004, as amended to date, for the Diesel Generator Set(s). Stack height with the DG Set shall be as per the following formula, H is equal to h plus $(0.2 \times \text{square root of KVA})$ where H is Total Height of stack in meter, h is Height of the building in meters where the Generator Set is installed and KVA is Total Generator capacity of the set in KVA).
17. The applicant shall ensure that they shall give recyclable plastics only to recyclers authorized under Plastic Waste Management Rules, 2016 / having Consent to Operate under Air Act, 1981 and Water Act, 1974.
18. The occupier shall also ensure proper collection and disposal of bio-medical waste containing mercury. The occupier shall phase out mercury based equipments e.g. thermometers and B.P. Measuring Equipments.
19. The lab and highly infectious bio-medical waste generated by HCF, if any, shall be pre-treated by equipment like autoclave or microwave.
20. The applicant shall apply for fresh Authorization in case of there is any change in the activities of the HCF.
21. In case of violation of any of above said conditions, the HCF shall apply for withdrawal of authorization/consent etc.
22. The HCF is required to display the authorization at a prominent place in its premises so that the general public can view and satisfy themselves.
23. This authorization is issued subject to the condition that the HCF is not having laundry facility in its premises and is discharging its entire wastewater into the public sewer of DJB/NDMC/DSIIDC connecting to the Sewerage Treatment Plant (STP) of DJB/MDMC/DSIIDC.
24. If the HCF is having laundry facility or not connected to the public sewer, the HCF is required to install requisite treatment system before its discharge and also obtain consent from Delhi Pollution Control Committee under the provisions of Water Act, 1974 & Air Act, 1981.
25. The HCF shall phase out use of chlorinated plastic bags, gloves & blood bags within 2 years from 28.3.2016, the date of Notification of the Rules.
26. The HCF shall establish a Bar-Code System for bags or containers containing bio-medical waste to be sent out of the premises or place for any purpose & submit compliance report in this regard immediately.
27. The HCF shall ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralisation prior to mixing with other generated effluent from HCF.
28. The HCF shall immunise all its health care workers and others, involved in handling of bio-medical waste for protection against diseases including Hepatitis-B & Tetanus that are likely to be transmitted by handling of bio-medical waste, in the manner as prescribed in the National Immunisation Policy or the guidelines of the Ministry of Health & Family Welfare issued from time to time.
29. The HCF shall ensure occupational safety of all its health care workers & others involved in handling of bio-medical waste by providing appropriate & adequate personal protective equipments.
30. The HCF shall conduct health check-up at the time of induction & at least once in a year for all its health care workers & others involved in handling of bio-medical waste & shall maintain records for the same.
31. All the HCF shall make own website within two years from the date of notification of these rules and shall make available the annual report on its website.
32. The HCF shall maintain records related to the generation, collection, segregation, storage, transport, disposal or any other form of handling of bio-medical waste, for a period of five years, in accordance with these rules and guidelines issued by the Central Government or the Central Pollution Control Board or the prescribed authority as the case may be.
33. The HCF shall pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilisation on-site in the manner as prescribed by the World Health Organisation (WHO) or National AIDS Control Organisation (NACO) guidelines and then sent to the common bio-medical waste treatment facility for final disposal.
34. The HCF shall provide training to all its health care workers and others, involved in handling of bio-medical waste at the time of induction & thereafter at regular intervals & the details of training programmes conducted, number of personnel trained & number of personnel not undergone any training shall be provided in the Annual Report.

Please note that the issuance of authorization shall not be construed in any manner whatsoever that you are legitimately operating your health care institution with respect to other statutory provisions of Master Plan of Delhi etc.

The authorization is subject to the condition that you are operating as per the provision of Master Plan of Delhi, 2021.

Signature: 
Designation: EE WMC-1
City, District, State

Health Care Centre, C-1
4th & 5th Floor, ISBT
Kashmere Gate, Delhi-110017

To :-
MAX SUPER SPECIALITY HOSPITAL (A UNIT OF DEVKI DEVI FOUNDATION)
2 PRESS ENCLAVE ROAD, SAKET
New Delhi - 110017

NAME:- MAX SUPER SPECIALITY HOSPITAL (EAST BLOCK)

Address:- 2 Press Enclave Road, Saket, New Delhi-110017

Bio medical Waste												
2018	Red		Yellow		Blue		Yellow Cytotoxic		White-Sharp		Total Bags	Total Weight (KG's)
Month	Bags	KG's	Bags	KG's	Bags	KG's	Bags	KG's	Bags	KG's		
Jan-18	1510	10367.54	709	3977.44	380	2422.6	50	179.6	1279	575.63	3928	17522.81
Feb-18	1813	10097.49	960	3781.00	382	2315.83	101	249.92	2023	653.29	5279	17097.53
Mar-18	1382	10816.8	708	4209.73	403	2332.28	126	269.22	1099	753.03	3718	18381.06
Apr-18	1184	10743.6	591	3964.02	416	2384.48	129	278.47	971	821.27	3291	18191.84
May-18	1394	11308.5	689	4186.63	393	2484.4	126	294.05	1316	809.7	3918	19083.28
Jun-18	1202	9823.3	587	3801.55	330	2197.19	101	253.71	756	672.99	2976	16748.74
Jul-18	1065	10554.89	465	3704.51	358	2413.00	102	271.16	646	952.53	2636	17896.09
Aug-18	935	10680.94	437	4142.10	333	2441.07	107	298.02	554	893	2366	18455.44
Sep-18	800	10345.28	420	4332.93	281	2603.92	81	321.99	691	622.64	2273	18226.76
Oct-18	813	10009.8	435	4355.27	274	2426.42	75	294.04	572	601.69	2169	17687.22
Nov-18	680	10189.83	346	4121.49	246	2155.85	60	155.02	393	579.71	1725	17201.90
Dec-18	667	11030.09	353	4290.24	241	2338.8	74	212.7	324	528.16	1659	18399.99



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

ACCIDENT REPORTING

1. Date and time of accident : Nil
2. Type of Accident : Nil
3. Sequence of events leading to accident : Nil
4. Has the Authority of been informed immediately: Nil
5. The type of waste involved in accident : Nil
6. Assessment of the effects of the accidents on human health and the environment : Nil
7. Emergency measures taken : Nil
8. Steps taken to alleviate the effects of accidents : Nil
9. Steps taken to prevent the recurrence of such an accident : Nil
10. Does you facility has Emergency Control policy?
If yes, give details : Nil

Date : 22.4.2019

Place : New Delhi

For MAX SUPER SPECIALITY HOSPITAL
(A unit of Davki Jain Foundation)

Signature : 

Designation : (DR. YOGENDRA TOMAR)
DEPUTY MEDICAL SUPERINTENDENT



Caring for you... for life

**MINUTES OF MEETING
BIOMEDICAL WASTE MANAGEMENT**

Date : 15.11.2018
Chaired by : Dr. Devesh Tiwari

Members of committee : Dr. Sandeep Mor, Mr. Devendra Sharma, Ms. Geeta Rani, Dr. Surbhit Sharma, Ms. Jinci Abraham, Ms. G S Deepthi., Ms. Himanshi sharma ; Dr. Devesh Tiwari

Present members: Ms. Seema Vishwanath, Dr. Surbhit Sharma, Ms Jinci, Ms. Himanshi sharma, Ms. Geeta Rani, Ms. Jinci, Ms. Deepthi

S No:	Agenda Point	Responsibility	Status
1.	BMW dustbins to be washed after disposable of garbage.	Housekeeping Team	Done
2.	<i>Needle stick injury data presented to the members</i>	ICN	Done
3.	Hand hygiene activity done on floors.	ICN, Housekeeping Team	Done
4.	Pre and post Test to be done for HK staff	Himanshi sharma	Done
5.	Check BMW segregation in economy rooms and nursing rooms	ICN, Devendra, Dr. Devesh	Done
6.	Training for Bio medical waste and spill management for new staff and give Hindi handout for better understanding .	Housekeeping Team	Done



Caring for you... for life

7. Staff Medical records and vaccines documents checked and staff awareness about their medical.	Devendra & Himanshi	Done
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**MINUTES OF MEETING
BIOMEDICAL WASTE MANAGEMENT**

Date : 9.4.2018
Chaired by : Dr Gurpreet

Members of committee :Dr. Sandeep Mor, Dr. Devesh Tiwari, Dr. Bansidhar, Mr. Devendra Sharma, Ms. Geeta Rani, Dr. Surbhit Sharma, Ms. Jinci Abraham, Ms. G S Deepthi, Ms. Himanshi sharma

Present members: Dr. Devesh Tiwari, Mr. Devendra Sharma, Dr. Surbhit Sharma, Ms Jinci, Ms. Himanshi sharma, Dr. Sandeep Mor.

S No:	Agenda Point	Responsibility	Status
1.	Incident to be captured of BMW mixing at the floor level.	ICN, Housekeeping Team	Done
2.	Training Records to be shown to the members and progress to be shared.	Devendra/ Himanshi	Done
3.	BMW to be monitored in OT & ICU area	ICN, OT in charges, Housekeeping Team	Done
4.	BMW room set up to be done as per colour code, Like- coloured tiles, partition, Drain covers, Exhaust.	Engg. & Devendra	Done
5.	Regular audits to be done at the floor to check BMW segregation	ICN, Devendra, Dr. Devesh	Done
6.	Regular or timely updation of BMW data on Website	Devendra & Himanshi	Done