

MSSH/WB/209

April 22, 2019

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

(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, and 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



Yours faithfully
For Max Super Specialty Hospital
(A unit of Max Healthcare Institute Limited)

Dr. Amrita Gupta
Medical Superintendent
Max Super Speciality Hospital
1-2, Press Enclave Road, Saket
New Delhi-110 017

Max Super Speciality Hospital, Saket (West Block)

1, Press Enclave Road, Saket, New Delhi - 110 017, Phone: +91-11-6611 5050

Max Healthcare Institute Limited

(CIN: U72200DL2001PLC111313)

Regd. Office: Max House, 1, Dr. Jha Marg, Okhla, New Delhi - 110 020

Phone: +91- 11-4122 0600, Fax: +91-11-4161 2155, E-mail: secretarial@maxhealthcare.com



M-0073

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)	: Dr. Amrita Gupta																																												
	(ii) Name of HCF or CBMWTF	: Max Super speciality Hospital																																												
	(iii) Address for Correspondence	: 1, Press enclave road, Saket																																												
	(iv) Address of Facility	: 1, Press enclave road, Saket																																												
	(v) Tel. No, Fax. No	: 01140633049																																												
	(vi) E-mail ID	: Amrita.gupta@maxhealthcare.com																																												
	(vii) URL of Website	: www.maxhealthcare.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)(163)/S-214/BMW-08/6647 Valid upto 16-8-2019																																												
	(xi) Status of Consents under Water Act and Air Act	: Valid up to 7-8-2023																																												
2.	Type of Health Care Facility	:																																												
	(i) Bedded Hospital	: No. of Beds : 211																																												
	(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/716 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 : 2935 kg/m Red Category : 5493 Kg/m White: 455 Kg/m Blue Category : 1188 Kg/m General Solid waste: 8614 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></td><td></td><td></td></tr> <tr> <td>Plasma Pyrolysis</td><td></td><td></td><td></td></tr> <tr> <td>Autoclaves</td><td>2</td><td>60.Lit. & 180Lit.</td><td>18993 Kg/a</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></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: 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	2	60.Lit. & 180Lit.	18993 Kg/a	Microwave				Hydroclave				Shredder				Needle tip cutter or destroyer				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	:	Nil 1												
	(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</td> <td>N.A</td> <td></td> </tr> <tr> <td>Ash</td> <td>N.A</td> <td></td> </tr> <tr> <td>ETP Sludge</td> <td>N.A</td> <td></td> </tr> </tbody> </table>		Quantity generated	Where disposed	Incineration	N.A		Ash	N.A		ETP Sludge	N.A	
	Quantity generated	Where disposed													
Incineration	N.A														
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	(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	:	Not Applicable												
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	:	2304												
	(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.

Name and Signature of the Head of the Institution

Date:
Place :

Dr. Amrita Gupta
Medical Superintendent
Max Super Speciality Hospital
-2, Press Enclave Road, Saket
New Delhi-110 017

ANNUAL REPORT 2018.

NAME:- MAX SUPER SPECIALITY HOSPITAL (WEST BLOCK)

Address: 1 PRESS ENCLAVE ROAD,SAKET, NEW DELHI-110017

Bio medical Waste										
2018	Black		Yellow		Blue		White- Sharp		Total Bags	Total Weight (In KG's)
	Bags	KG's	Bags	KG's	Bags	KG's	Bags	KG's		
Jan-18	880	5248.77	549	2871.96	192	1860.66	598	430.65	2219	10412.04
Feb-18	1076	5580.86	722	2655.35	161	1026.49	1040	375.12	2999	9637.82
Mar-18	956	6293.71	546	2748.63	177	1184.81	572	431.51	2251	10658.66
Apr-18	780	5672.09	463	2638.33	178	1216.13	611	510.22	2032	10036.77
May-18	850	5799.60	555	3146.27	185	1492.79	638	601.67	2228	11040.33
Jun-18	784	5477.08	475	2791.71	154	1064.77	495	598.26	1908	9931.82
Jul-18	626	5613.31	373	2762.00	139	1010.21	303	439.27	1441	9824.79
Aug-18	608	5510.64	365	2830.65	154	1030.32	335	437.51	1462	9809.12
Sep-18	589	5264.23	381	2949.95	134	1139.4	345	489.29	1449	9842.87
Oct-18	549	5416.28	381	3384.98	131	1197.59	329	399.35	1390	10398.20
Nov-18	399	4983.59	276	3071.28	118	1007.10	255	426.36	1048	9488.33
Dec-18	413	5063.42	305	3358	121	1034.15	240	324.85	1079	9780.42

13



DELHI POLLUTION CONTROL COMMITTEE

(An Autonomous Body of Govt. of Delhi)

Office: 1st Floor, Block-III, P.W.D. Building,
Connaught Place, New Delhi-110028

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/2017/03294

File number of authorization DPCC/(11)(5)(163)/S-214/BMW-08

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)(163)/S-214/BMW-08

2. Ms. MAX SUPER SPECIALITY HOSPITAL an occupier/operator of the facility located at 1.Press Enclave Road, Saket, New Delhi - 110017 is hereby granted an authorization for

Activity Bio-Medical Waste : Generation, segregation, Collection, Storage

3. Ms. MAX SUPER SPECIALITY HOSPITAL is hereby authorized for handling of biomedical waste as per the capacity given below;

(i) Number of beds of HCF:	211
(ii) Quantity of Biomedical waste handled, treated or disposed:	560 Kg/Day
(i) Yellow	140 Kg/Day
(ii) Red	280 kg/Day
(iii) White (Translucent)	50 Kg/Day
(iv) Blue	90 Kg/Day

4. This authorization shall be in force for a period of Three Years valid upto 16-08-2019

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: 
Designation: Dr. BMS REDDY
SEES/BMC Engineer (CDC)
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-I of Bio-Medical Waste Management Rules, 2016, for the discharge of the Waste Water, Effluent generated.
3. The authorization or its renewal shall be subject to provision of an request of occupier 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 10 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 different 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 off/ 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-I, prescribed under the Rules, to DPCC.
13. In case of failure to comply with any of the above conditions and 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 at least six months before the expiry of the 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 activity/number of beds etc.
21. In case of violation of any of above said conditions, penal action will be initiated against the HCF including 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/DMC/DSI/DC connecting to the Sewerage Treatment Plant (STP) of DJB/DMC/DSI/DC.
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 D.P.C. 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 effluent waste & ensure that these are treated separately and not 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, reception, storage, transportation, treatment, disposal or any other form of handling of bio-medical waste in a proper manner as per the applicable laws, rules, regulations and guidelines issued by the Central Government or the Central Pollution Control Board or the prescribed authority in 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 a condition for operation, wherever in the city and legitimately operating your health care institution with having the other required documents as per the 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 : Jt. WDC-1

Dr. SIDDHARTHA GAUTAM
Env. Engineer (CDC)
Delhi Pollution Control Committee
4th & 5th Floor, ISBT Building,
Kashmere Gate, Delhi-05

To :-

MAX SUPER SPECIALITY HOSPITAL
1, Press Enclave Road, Saket,
New Delhi - 110017

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 your facility have Emergency Control policy?
If yes, give details : Nil

Date : 22.4.2019

Place : New Delhi

Signature : 

Designation : Medical Superintendent

Dr. Amrita Gupta
Medical Superintendent
Max Super Speciality Hospital
1-2, Press Enclave Road, Saket
New Delhi-110 017

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 Deepti.,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. Deepti

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

**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 Deepti.,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. Deepti

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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

7.	Staff Medical records and vaccines documents checked and staff awareness about their medical.	Devendra & Himanshi	Done
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