

## Brief description of Treatment and Disposal of Bio Med Waste

Dr. Ram Manohar Lohia Hospital & PGIMER is a sub-ordinate office of the Directorate General of Health Services/Ministry of Health & Family Welfare, Govt. of India. The bed capacity of the hospital is 1447.

The Bio Medical Waste of the hospital is being managed as per provisions of revised BMW Management rules 2016 and Amendment Rules 2018. All wastes is segregated at source into different colour coded bags and containers as detailed in schedule 1 of the Rules 2016. Records of Bio Medical Waste are maintained both at the site of origin and at common waste collection site of the BMW Cell.

The Bio Medical waste generated is transported to Central Collection Point of the hospital in colour coded trolleys. Microbiological waste is disinfected on-site through autoclaving and remaining infectious waste from various clinical labs is disinfected through Microwaving w.e.f. 11.12.2018. Treated as well as untreated waste is handed over to M/S Biotic Waste Solution (P) Ltd., 46, SSI, Industrial area, G.T. Karnal Road, New Delhi . M/S Biotic waste solution (P) Ltd is the operator of Common Bio – Medical Waste treatment facility authorized by DPCC.( Delhi Pollution Control Committee)

Training classes on requirements & implementation of revised rules are arranged at a regular interval for all categories of health care workers.

All health care workers are vaccinated against Hepatitis B and Tetanus.

The Waste Management Committee of the Hospital Chaired by the Medical Superintendent meets regularly [at least every six months] to discuss the issues concerning management of Bio Medical Waste & implementation of provisions of revised rules.

Rag Pickers/ scavengers/ animals are not allowed in the common waste collection area.

*\* The Hospital waste is handled according to Bio- Med Waste Management, Rules 2016 and Amendment Rules 2018. Yellow coloured & Red coloured plastic bags, Translucent puncture proof containers for sharp & metal waste and Blue coloured card board boxes for waste glassware & metallic implants are being used for collection of respected categories of waste. STP / ETP for liquid waste is operational and treated water is being used for horticulture procured and construction activities of the hospital. Demand for autoclave for disinfection of infection waste has been submitted and will be installed on priority after autoclave is procured.*

**\* Enclosed: Annual Report Jan. to Dec. 2018 in form IV.**

Cont. next page

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

Sl. No	Particulars		
1	Particulars of the Occupier	:	
	(i) Name of the authorized person (occupier or operator of facility)	:	<b>Dr. (Prof.) V.K. Tiwari</b>
	(ii) Name of HCF or CBMWTF	:	Dr. R.M.L. Hospital & PGIMER
	(iii) Address for Correspondence	:	Baba Khark Singh Marg New Delhi
	(iv) Address of Facility	:	As Above
	(v) Tel. No. Fax. No	:	23747027/ FAX - 23361164
	(vi) E-mail ID	:	Med.sup.rmlh@gmail.com
	(vii) URL of Website	:	www.rmlh.nic.in
	(viii) GPS coordinates of HCF or CBMWTF	:	N.A
	(ix) Ownership of HCF	:	(Central Govt. ) Govt. of india
	(x) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	:	Applied for renewal of authorization vide application No 9-67/99 RMLH (HA-I) -17559 date 18.07.2017, 08.02.2018, 22.06.2018, 28.12.2018.
(xi) Status of Consents under Water Act and Air Act	:	Under process	
2.	Type of Health Care Facility	:	Hospital
	(i) Bedded Hospital	:	No. of Beds: 1447
	(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	:	M/S Biotic Waste Solution (P) LTD,
	(i) Number healthcare facilities covered by CBMWTF	:	N.A.
	(ii) No of beds covered by CBMWTF	:	N.A.
	(iii) Installed treatment and disposal capacity by CBMWTF	:	N.A.
	(iv) Quantity of bio- medical waste treated or disposed by CBMWTF	:	N.A.
4.	Quantity of waste generated or disposed in KG per annum (on monthly average basic )	:	Yellow Category : 09795 KG Red Category : 16471 KG White : 0574 KG Blue Category : 03258 KG  General Solid Waste : 056643 KG

5. Details of the Storage, treatment ,transportation, processing and Disposal Facility																																																					
(i) Details of the on –site storage facility	Size : L W H Capacity Yellow = 13 X 9 X 8 = 500 kg Appx. Red = 23X 11 X 9 = 1000 kg Appx. Provision of on-site storage : (cold storage or any other provision ) ..... No																																																				
(ii) Disposal facilities	<table border="0"> <tr> <td>Type of treatment Equipment</td> <td>No of Units</td> <td>Caps of city kg/Day</td> <td>Quantity treatedor disposed in kg per Annum</td> </tr> <tr> <td>Incinerators</td> <td>NO</td> <td></td> <td></td> </tr> <tr> <td>Plasma Pyrolysis</td> <td>None</td> <td></td> <td></td> </tr> <tr> <td>Autoclaves</td> <td colspan="3">All the microbiological waste and blood bags are autoclaved. Before handing over to the operator of CBMWTF</td> </tr> <tr> <td>Microwave</td> <td colspan="3">2 Nos. Clinical labs./infected Waste pretreated through Microwave w.e.f. 11.12.2018. and handing over to the operator of CBMWTF</td> </tr> <tr> <td>Hydroclave</td> <td>---</td> <td>NO</td> <td>---</td> </tr> <tr> <td>Shredder</td> <td>---</td> <td>NO</td> <td>---</td> </tr> <tr> <td>Needle tip cutter or</td> <td colspan="3">in every wds/ot. (i.e. Generation Point )</td> </tr> <tr> <td>Destroyer</td> <td colspan="3">N. A</td> </tr> <tr> <td>Sharps encapsulation or concrete pit</td> <td colspan="3">N. A</td> </tr> <tr> <td>Deep burial pits.</td> <td colspan="3">N. A</td> </tr> <tr> <td>Chemical disinfection</td> <td colspan="3">N. A</td> </tr> <tr> <td>Any other treatment equipment</td> <td colspan="3">N. A</td> </tr> </table>	Type of treatment Equipment	No of Units	Caps of city kg/Day	Quantity treatedor disposed in kg per Annum	Incinerators	NO			Plasma Pyrolysis	None			Autoclaves	All the microbiological waste and blood bags are autoclaved. Before handing over to the operator of CBMWTF			Microwave	2 Nos. Clinical labs./infected Waste pretreated through Microwave w.e.f. 11.12.2018. and handing over to the operator of CBMWTF			Hydroclave	---	NO	---	Shredder	---	NO	---	Needle tip cutter or	in every wds/ot. (i.e. Generation Point )			Destroyer	N. A			Sharps encapsulation or concrete pit	N. A			Deep burial pits.	N. A			Chemical disinfection	N. A			Any other treatment equipment	N. A		
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(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	: All recyclable (Red Category and Blue category) Waste handed over to M/S Biotic Waste Solution (P) LTD (Aut. by DPCC)																																																				
(iv) No of vehicles used for collection and transportation of biomedical waste	: One vehicle ( once a day )																																																				
(v) Details of incineration ash and ETP sludge Generated and disposed during the treatment of wastes in kg per annum	.....N.A.....  ETP Sludge																																																				
(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	: M/S Biotic Waste Solution (P) ltd Address 46 /SSI Ind. Area G.T Karnal Road 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 meetings held during the reporting period	Yes. 22.06.2018 ( copy enclosed ) 13.12.2018																																																				
7. Details trainings conducted on BMW																																																					
(i) Number of trainings conducted on BMW Management.	( copy enclosed )																																																				
(ii) Number of personnel trained	1328																																																				
(iii)Number of personnel trained at the time of induction	735																																																				
(iv) Number of personnel not undergone any training so far	Nil																																																				
(v) Whether standard manual for training	Utilizing through posters, videos & power point presentations																																																				

