

FEHJ/ADMIN/2018/191

Dated: 14.06.2018

The Member Secretary
Rajasthan State Pollution Control Board
4, Institutional Area
Jhalana Doongri, Jaipur.

Subject: Submission of Annual Report on Bio-medical Waste Generation for the period 1st January, 2017 to 31st December, 2017.

Dear Sir,

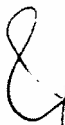
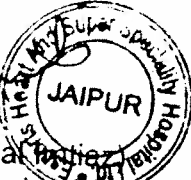
Pursuant to the captioned subject, please find attached Annual Report on Bio-medical Waste Generation of Fortis Escorts Hospital, J. L. N. Marg, Malviya Nagar, Jaipur (A Unit of Escorts Heart and Super Speciality Hospital Limited) for the period 1st January, 2017 to 31st December, 2017.

Please acknowledge the receipt of the same.

Thanking You.

Yours Faithfully,

For Escorts Heart and Super Speciality Hospital Limited



(Faizal Hussain)
Authorised Signatory


14/6/18

CC: The Regional Officer-Regional Office-Jaipur (South), Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur

FORM – I

[(See rule 4(o), 5(i) and 13(2))]

ACCIDENT REPORTING

Nil Report

1. Date and time of accident :
2. Type of Accident :
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 accidents on human health and the environment:
7. Emergency measures taken :
8. Steps taken to alleviate the effects of accidents :
9. Steps taken to prevent the recurrence of such an accident :
10. Does your facility has an Emergency Control policy? If yes give details:

Date: 14.06.2018

Place: Jaipur



Signature:

Designation: Authorised Signatory

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)]

Sl. No	Particulars		
1	Particulars of the Occupier (i) Name of the authorised person (occupier or operator of facility) (ii) Name of HCF (iii) Address for Correspondence (iv) Address of Facility (v) Tel. No, Fax. No (vi) E-mail ID (vii) URL of Website (viii) GPS coordinates of HCF (ix) Ownership of HCF (x) Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules		Mr. Faizal Imtiaz Escorts Heart and Super Speciality Hospital Limited 214, JLN Marg, Malviya Nagar, Jaipur-302017 214, JLN Marg, Malviya Nagar, Jaipur-302017 0141-2547000, 0141-2547002 contactus.jaipur@fortishealthcare.com www.fortishealthcare.com Butterfly Softwares, LLP Private Authorisation No.: F(BMW)/Jaipur(VKIA)(Sanganer)/2078(1)/2016-2017/9098-9100 valid up to 28.02.2019

22

2	(xi) Status of Consents under Water Act and Air Act	:	Valid up to: 28.02.2019
	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	No. of Beds: 250
	(ii) Non-bedded hospital	:	
3	(Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	
	(iii) License number and its date of expiry	:	F(BMW)/Jaipur(VK/A)(Sanganer)/2078(1)/2016-2017/9101-9103 & valid till 28.02.2019
	Details of CBMWTF	:	
	(i) Number healthcare facilities covered by CBMWTF	:	NA
4	(ii) No of beds covered by CBMWTF	:	NA
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	NA
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	NA
	5	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	:
Details of the Storage, treatment, transportation, processing and Disposal Facility			Blue Category : 801.92
			White: 136.43
			Red Category : 5144.80
			Yellow Cytotoxic: 15.45
		Yellow Category: 2434.78	

(i) Details of the on-site storage facility				
	Size:	NA		
	Capacity :	NA		
	Provision of on-site storage: (cold storage or any other provision): NA			
(ii) Details of the treatment or disposal facilities	Type of treatment equipment	No. of units	Capacity Kg/day	Quantity Treated or disposed in kg per annum
	Incinerators			
	Plasma Pyrolysis			
	Autoclaves			
	Microwave			
	Hydroclave			
	Shredder			
	Needle tip cutter or destroyer			
	Sharps encapsulation or concrete pit			NA
	Deep burial pits:			
	Chemical disinfection:			
	Any other treatment equipment:			

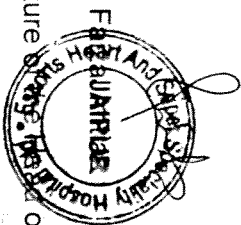
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	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.		Red Category (like plastic, glass etc.) - NA
	(iv) No of vehicles used for collection and transportation of biomedical waste		
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	One vehicle being used to transport Bio-medical Waste and list of authorised vehicles is attached herewith.	
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	Incineration Ash ETP Sludge	Quantity generated NA Where disposed NA
	(vii) List of member HCF not handed over bio-medical waste.	Instromedix (India) Private Limited	
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	NA	
7	Details trainings conducted on BMW	Yes, Minutes of the Meeting are attached herewith.	
	(i) Number of trainings conducted on BMW Management.		
	(ii) Number of personnel trained	1097	
	(iii) Number of personnel trained at the time of induction	778	
	(iv) Number of personnel not undergone any training so far	256	
	(v) Whether standard manual for training is available?	0	
		Yes	

	(vi) any other information)	
8	Details of the accident occurred during the year	
	(i) Number of Accidents occurred	No (NIL report in Form 1 is attached)
	(ii) Number of the persons affected	No
	(iii) Remedial Action taken (Please attach details if any)	No
	(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?	NA
	Details of Continuous online emission monitoring systems installed	No such system installed
	Liquid waste generated and treatment methods in place.	
10	How many times you have not met the standards in a year?	NA
	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	Yes
11		
12	Any other relevant information	No

Certified that the above report is for the period from 01.01.2017 to 31.12.2017

Name and Signature of the Institution



Date: 14.06.2018

Place: Jaipur

Fortis Escorts Hospital, Jaipur

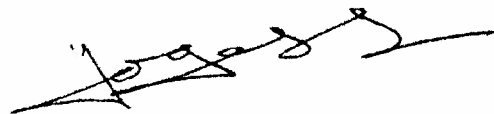
Minutes of meeting - Biomedical Waste management meeting

Feb 2017

- Pre-Treatment of Microbiology, Biotechnology & other Clinical Laboratory Waste on site - Started
- Health check up at the time of induction & once every year for all employees in contact with BMW – Health-Check up has been done for all new joiners and for contractual workers It has already been started and is under process
- Immunize (Hep B & Tetanus) all employees in contact with BMW – Done.
- Training for BMW will be given at induction & once every year for all employees in contact with BMW– Done
- Card board box – implemented.
- Records related to BMW kept for 5 years – implemented.
- BMW register is maintained & updated on daily basis – implemented.
- Monthly record of BMW uploaded on website- implemented.
- Weekly audit & monthly audit has been conducted but few point are not been audited. Responsibility – HR & Admin
- Bar Coded Labels for BMW Bags –Pending.
- GPS installation with vendor – Pending.

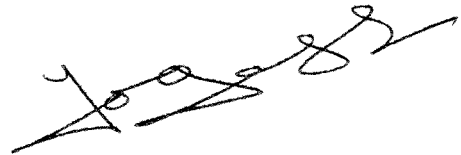
May 2017

- Pre-Treatment of Microbiology, Biotechnology & other Clinical Laboratory Waste on site - Started
- Health check up at the time of induction & once every year for all employees in contact with BMW – Health-Check up has been done for all new joiners and for contractual workers It has already been started and is under process
- Immunize (Hep B & Tetanus) all employees in contact with BMW – Done.
- Training for BMW will be given at induction & once every year for all employees in contact with BMW– Done
- Card board box – implemented.
- Records related to BMW kept for 5 years – implemented.
- BMW register is maintained & updated on daily basis – implemented.
- Monthly record of BMW uploaded on website- implemented.
- Weekly audit & monthly audit has been conducted
- Bar Coded Labels for BMW Bags – Started.
- GPS installation with vendor – Started.
- Annual report submission – 30th June 2017 – Pending
- BMW audit for waste transport & treatment – 6 monthly - pending
- Chlorinated Plastics - phase out use of chlorinated plastic bags, gloves and blood bags within two years – Pending



Oct 2017

- Pre-Treatment of Microbiology, Biotechnology & other Clinical Laboratory Waste on site - Started
- Health check up at the time of induction & once every year for all employees in contact with BMW – Health-Check up has been done for all new joiners and for contractual workers It has already been started and is under process
- Immunize (Hep B & Tetanus) all employees in contact with BMW – Done.
- Training for BMW will be given at induction & once every year for all employees in contact with BMW– Under process
- Card board box – implemented.
- Records related to BMW kept for 5 years – implemented.
- BMW register is maintained & updated on daily basis – implemented.
- Monthly record of BMW uploaded on website- implemented.
- Weekly audit & monthly audit has been conducted
- Bar Coded Labels for BMW Bags – Started.
- GPS installation with vendor – Started.
- Annual report submission – Done
- BMW audit for waste transport & treatment – 6 monthly - Done
- Chlorinated Plastics - phase out use of chlorinated plastic bags, gloves and blood bags within two years – Done

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Nov 2017

- In case the hospital has a Sewage treatment plant the hospital does not need to have a separate Effluent Treatment Plant.
- The Bar Codes to be affixed on the BMW Bags at the Central BMW Storage area before the Bags leave the Hospital. Multiple small bags of the same colour having the prescribed label can be put in one larger bag of the same colour and in such a case the Bar Code may be affixed only on the large bag containing the multiple small Bags.
- The discharge from the Sewage Treatment Plant or the Effluent Treatment Plant should conform to the discharge norms. Quarterly environmental report will be shared to Infection control department by Mr. B. K. Sharma.
- The Liquid Chemical Waste from the Laboratory should be neutralized or Pre-treated in a Pre-treatment tank (which may even be Bench top) before mixing with other effluent going to a Sewage Treatment Plant. This is only applicable to situations where the hospital is discarding liquid chemicals containing acids or alkalis.
- Health check up should be conducted at the time of induction & yearly thereafter for all healthcare workers. Log book of the health checkups conducted is to be preserved for 5 years.
- Report major accidents and remedial action taken and records (including nil report) in Form I to prescribed authority & also along with the annual report.
- Log book of autoclaving should be maintained for 5 years.
- Validation test for autoclave in 3 consecutive cycles before the beginning of use of a new autoclave, and once every 3 month, to be preserved for 5 years.
- Recording of operational parameters: Each autoclave shall have graphic or computer recording devices which will automatically and continuously monitor and record dates, time of day, load identification number and operating parameters throughout the entire length of the autoclave cycle. Interpretation – Hospitals which presently do not have Autoclaves with graphic or computer recording devices may give conditional authorization to the State Pollution Control Boards stating the time frame (eg. 1 year) within which they shall comply with the same. This shall depend on the State Pollution Control Boards. – to be confirmed from Rajasthan state pollution board by Mr. Mohit.
- For chemical treatment use 10 % sodium hypochlorite.
- Till further notice following is to be practiced
- Laboratory waste – pretreatment in lab and neutralization
- Microbiology waste – Autoclave
- Blood samples & blood bags - autoclaving.
- Vacutainer – Autoclave
- Body Fluid – Autoclave
- For Bar Coding – Mr Mohit will meet State Pollution Authorities and will update us.
- Clarification on HCW - The term 'Healthcare Workers' for purposes of Training/Immunization/Health Check-up shall include Doctors, Nurses, Technicians & Paramedical Staff, and GDAs/Housekeeping staff.

