



# Maharaj Sawan Singh Charitable Hospital

No. BH/FF&HK/BMW-PPCB/02/2020

20.01.2020

Environmental Engineer,  
Punjab Pollution Control Board,  
Plot No. 164, Focal Point,  
Mehta Road, Zonal Office,  
Amritsar

**Sub : Submission of Annual Report of Bio-Medical Waste Management**

Dear Sir,

As per Clause (13) of terms and conditions of Authorization for Waste Management granted to this Hospital under Bio-Medical Waste (Management and Handling) Rules 1998, enclosed please find herewith the Annual Report of Waste Management of this Hospital on Form-IV for the period from 01.01.2019 to 31.12.2019.

Thanking you,

Yours sincerely,

R S Malik  
Chief Administrator

CC : The Chairman,  
Punjab Pollution Control Board,  
Vatavaran Bhawan,  
Nabha Road, Patiala – 147 001

# FORM - IV

## ANNUAL REPORT

Sl No.	Particulars	
1.	Particulars of the Occupier	: Maharaj Sawan Singh Charitable Hospital
	(i) Name of the authorised person (occupier or operator of facility)	: R S Malik
	(ii) Name of HCF or CBMWTF	: M/s. Amritsar Envirocare Systems Pvt Ltd., Amritsar (Dr Inderpal Singh Pasricha)
	(iii) Address for correspondence	: Village Iban Kalan, Chabhal Road, Amritsar
	(iv) Address of facility	: Village Iban Kalan, Chabhal Road, Amritsar
	(v) Tel. No., Fax No.	: 0183-5065311
	(vi) E-mail ID	: aecs2004@rediffmail.com
	(vii) URL of website	: Under preparation
	(viii) GPS coordinates of HCF or CBMWTF	:
	(ix) Ownership of HCF or CBMWTF	: Non Profit Society / Private
	(x) Status of authorisation under the Bio-Medical Waste (Management and Handling) Rules	: Authorization No.ZO-ASR/ASR/BMW/2017/F-45 dated 12.04.2018 valid up to 31.03.2020
	(xi) Status of Consents under Water Act and Air Act	: Valid up to 31.03.2020
2.	Type of Health Care Facility	:
	(i) Bedded Hospital	: No. of Beds 267
	(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	: ZO-ASR/ASR/BMW/2017/F-45 valid 31.03.2020 for BMW
3.	Details of CBMWTF	: N/A
	(i) Number healthcare facilities covered by CBMWTF	:
	(ii) No. Of beds covered by CBMWTF	:
	(iii) Installed treatment and disposal capacity of CBMWTF	:
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	: Yellow category (A+C+H) : 1217 kg/month (F) : 15183 Ltrs/month Red Category : 1021 kg/month White : 19 kg/month Blue Category : 255 kg/month General Solid waste: Nil
5.	Details of the Storage, treatment, transportation, processing and disposal facility	
	(i) Details of the on-site storage facility	: Size: 287 Sqft Capacity: 250kg (approx) Provision of on-site: (cold storage or any other provision) N/A

(ii) Disposal facilities	:	<table border="1"> <tr> <th data-bbox="788 120 935 277">Type of treatment equipment</th><th data-bbox="935 120 1075 277">No of units</th><th data-bbox="1075 120 1222 277">Capacity kg/day</th><th data-bbox="1222 120 1369 277">Quantity treated or disposed in kg per annum</th></tr> <tr> <td data-bbox="788 277 935 539">Incinerators Plasma Pyrolysis Autoclaves (1) Microwave Hydroclave Shredder Needle tip cutter or destroyer</td><td data-bbox="935 277 1075 539">Every wards, Emergency, ICU, CCU</td><td data-bbox="1075 277 1222 539">Adequate</td><td data-bbox="1222 277 1369 539">578 Kg  Plastic waste</td></tr> <tr> <td data-bbox="788 539 935 640">Sharps encapsulation or concrete pit</td><td data-bbox="935 539 1075 640">N/A</td><td data-bbox="1075 539 1222 640">N/A</td><td data-bbox="1222 539 1369 640">N/A</td></tr> <tr> <td data-bbox="788 640 935 696">Deep burial pits</td><td data-bbox="935 640 1075 696">N/A</td><td data-bbox="1075 640 1222 696">N/A</td><td data-bbox="1222 640 1369 696">N/A</td></tr> <tr> <td data-bbox="788 696 935 775">Chemical disinfection</td><td data-bbox="935 696 1075 775">Sodium Hypochlorite 1%</td><td data-bbox="1075 696 1222 775">N/A</td><td data-bbox="1222 696 1369 775">N/A</td></tr> <tr> <td data-bbox="788 775 935 853">Any other treatment equipment</td><td data-bbox="935 775 1075 853">N/A</td><td data-bbox="1075 775 1222 853">N/A</td><td data-bbox="1222 775 1369 853">N/A</td></tr> </table>	Type of treatment equipment	No of units	Capacity kg/day	Quantity treated or disposed in kg per annum	Incinerators Plasma Pyrolysis Autoclaves (1) Microwave Hydroclave Shredder Needle tip cutter or destroyer	Every wards, Emergency, ICU, CCU	Adequate	578 Kg  Plastic waste	Sharps encapsulation or concrete pit	N/A	N/A	N/A	Deep burial pits	N/A	N/A	N/A	Chemical disinfection	Sodium Hypochlorite 1%	N/A	N/A	Any other treatment equipment	N/A	N/A	N/A
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(iii) No of vehicles used for collection and transportation of bio-medical waste	:	One																								
(iv) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:	<table border="1"> <tr> <th data-bbox="788 1048 983 1126"></th><th data-bbox="983 1048 1177 1126">Quantity generated</th><th data-bbox="1177 1048 1369 1126">Where disposed</th></tr> <tr> <td data-bbox="788 1126 983 1160">Incineration</td><td data-bbox="983 1126 1177 1160">N/A</td><td data-bbox="1177 1126 1369 1160">N/A</td></tr> <tr> <td data-bbox="788 1160 983 1193">Ash</td><td data-bbox="983 1160 1177 1193">N/A</td><td data-bbox="1177 1160 1369 1193">N/A</td></tr> <tr> <td data-bbox="788 1193 983 1227">ETP Sludge</td><td data-bbox="983 1193 1177 1227">N/A</td><td data-bbox="1177 1193 1369 1227">N/A</td></tr> </table>		Quantity generated	Where disposed	Incineration	N/A	N/A	Ash	N/A	N/A	ETP Sludge	N/A	N/A												
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(v) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of.	:	M/s. Amritsar Envirocare Systems Pvt Ltd., Amritsar (Dr Inderpal Singh Pasricha)																								
(vi) List of member HCF not handed over bio-medical waste.	:																									
6. Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period.	:	Yes, copies enclosed.																								
7. Details of training conduct on BMW																										
(i) Number of trainings conducted on BMW Management.	:	Twice a year																								
(ii) Number of personnel trained.	:	Personnel related to BMW : Nursing Sisters-11 Staff Nurses-116, Ward Helpers-87 & Helpers-48																								
(iii) Number of personnel trained at the time of induction.	:	New inductees : Staff Nurses-10, Ward Helpers-03 & Helpers-02																								
(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 attached details if any)	: N/A
	(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
	Details of Continuous online emission monitoring systems installed.	: N/A
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in the year?	: 108.0 x 10 <sup>6</sup> L Pre-treated in Anaerobic fixed film reactor system (AFFR) and then land absorbed/used for irrigation.
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year.	: Yes
12	Any other relevant information	: -

Certified that the above report is for the period from .....1<sup>st</sup> January to 31<sup>st</sup> December, 2019.



**R S Malik**

Name and Signature of the Head of the Institution

Date : 20.01.2020

Place : Beas