

m No. 421

CHRISTIAN MEDICAL COLLEGE, LUDHIANA

(REGISTERED SOCIETY UNDER ACT NO. XXI OF 1860 AS A CHARITABLE MINORITY INSTITUTION)

- PROMOTING HEALTH THROUGH
- COMMUNITY OUTREACH
 - PATIENT CARE
 - EDUCATION
 - RESEARCH



LUDHIANA - 141008, Punjab

Cables/Grams : CHRISMED

DATE 25th June, 2022

The Environmental Engineer-I
 PSIEC Building
 E648-B, Phase V
 Focal Point
 Ludhiana.

Sub: Annual report on Biomedical Waste Disposal for the period of January 2021 to December 2021 of Christian Medical College & Hospital Ludhiana.

Respected Sir,

I am sending you the biomedical waste disposal annual report of CMC & Hospital for the period of January 2021 to December 2021.

Kindly acknowledge the report.

Thanking You

Yours sincerely

M. Melchisedec Singh
 Dr. Melchisedec Singh
 Professor & Head
 Department of Anaesthesia and
 Deputy Medical Superintendent
 Deputy Medical Superintendent
 Christian Medical College & Hospital,
 LUDHIANA, 141008 (Punjab)

Recd
25/6/22

Encl: Annual Report
 Form -IV - Annual report and other details

E.P.A.B.X. 0161-2115000	Director : 0161-2600685 Fax : 0161-2600270	Dy. Director (G.A) : 0161-2115004 Dental College Reception : 0161-2610659	Medical Superintendent : 0161-2115075 Medical College Principal : 0161-2115376 Purchase Office : 211-5760, 5768, 5691
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"Be Responsible Become Voters"

17

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 authorized person (occupier or : operator of facility)	:	DR. Allen Joseph Medical Superintendent.
	(ii) Name of HCF or CBMWTF	:	CHRISTIAN MEDICAL COLLEGE & HOSPITAL
	(iii) Address for Correspondence	:	MEDICAL SUPERINTENDENT OFFICE
	(iv) Address of Facility	:	CMCH, BROWN ROAD, LUDHIANA (PB)
	(v) Tel. No, Fax. No	:	01612115075, 01612115236
	(vi) E-mail ID	:	mscmc@ludhiana@gmail.com
	(vii) URL of Website	:	cmcludhiana.in
	(viii) GPS coordinates of HCF or CBMWTF	:	
	(ix) Ownership of HCF or CBMWTF	:	(State Government or Private or Semi Govt. or any other)
	(x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: NEW APPLICATION APPLIED 18577803 AS B.M.W. Renewal / LDH / 2021 04.26.4.22 15225979 Valid upto: 31.03.2022
	(xi). Status of Consents under Water Act and Air Act	:	Valid upto: 31.03.2024 CTOW / Renewal / LDH / 2022 / 18715634 CTOA / Renewal / LDH / 2022 / 18715228
2	Type of Health Care Facility	:	CHARITABLE (PRIVATE)
	(i) Bedded Hospital	:	No. of Beds: 700
	(ii) Non-bedded hospital	:	146 (DENTAL CHAIRS)
	Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	'NA'
	(iii) License number and its date of expiry	:	'NA'
3	Details of CBMWTF	:	
	(i) Number of health care facilities covered by CBMWTF	:	'NA'
	(ii) No. of Beds covered by CBMWTF	:	'NA'
	(iii) Installed treatment and disposal capacity of CBMWTF;	:	'NA' Kg / day
	(iv) Quantity of bio medical waste treated or disposed by CBMWTF	:	'NA' Kg / day
4	Quantity of waste generated or disposed in Kg per Annum (on monthly average basis) COVID - 13148.620 KG (ANNUAL)	:	Yellow Category: 31445.902 (ANNUAL) Red Category: 37550.930 (" ") White: 553.850 (" ") Blue Category: 7775.896 (" ") General Solid Waste: 101220 (ANNUAL)
5	Details of the Storage, Treatment, Transportation, Processing and Disposal Facility	:	
	(i) Details of the on-site storage	:	Size: 18x11 = 198 = 186 SQFT 15x6 CAPACITY → 1584 + 1674 (CUFT)

<p>facility</p>	<p>Capacity: 1584 + 1674 (CuFT) Provision of on-site storage : (Cold storage or any other provision)</p>																																																				
<p>(ii) Disposal facilities</p>	<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>03</td> <td></td> <td></td> </tr> <tr> <td>Microwave</td> <td>01</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>70</td> <td></td> <td></td> </tr> <tr> <td>Sharps</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Encapsulation or concrete pit</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Deep burial pits</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Chemical disinfection:</td> <td colspan="3">17. Sodium hypochlorite treatment in Labs & OT'S</td> </tr> <tr> <td>Any other treatment equipment:</td> <td colspan="3">ETP Plant (500 KL/day for liquid waste treatment)</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	03			Microwave	01			Hydroclave				Shredder				Needle tip cutter or destroyer	70			Sharps				Encapsulation or concrete pit				Deep burial pits				Chemical disinfection:	17. Sodium hypochlorite treatment in Labs & OT'S			Any other treatment equipment:	ETP Plant (500 KL/day for liquid waste treatment)		
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<p>(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in Kg per annum</p>	<p>: Red Category (like plastic, glass, etc.) 'NA'</p>																																																				
<p>(iv) No. of Vehicles used for collection and transportation of biomedical waste</p>	<p>: 'NA'</p>																																																				
<p>(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum</p>	<table border="1"> <thead> <tr> <th></th> <th>Quantity Generated</th> <th>Where disposed</th> </tr> </thead> <tbody> <tr> <td>Incineration</td> <td>'NA'</td> <td>'NA'</td> </tr> <tr> <td>Ash</td> <td></td> <td></td> </tr> <tr> <td>ETP Sludge</td> <td>APPROX 38 KG DAY</td> <td></td> </tr> </tbody> </table>		Quantity Generated	Where disposed	Incineration	'NA'	'NA'	Ash			ETP Sludge	APPROX 38 KG DAY																																									
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<p>(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of</p>	<p>→ M/S MEDICARE Environmental Management Pvt Ltd. TAJPUR ROAD, Ludhiana. M/S RANDEY Engineers & Environmental Management VIII: NIMBUA (MOHALI) PB</p>																																																				
<p>(vii) List of member HCF not handed over bio-medical waste.</p>	<p>'NA'</p>																																																				
<p>6 Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period</p>	<p>Yes (Photocopy of minutes attached)</p>																																																				

Details trainings conducted on BMW		
(i)	Number of trainings conducted on BMW Management	19
(ii)	Number of personnel trained	348
(iii)	Number of personnel trained at the time of induction	15
(iv)	Number of personnel not undergone any training so far	NIL
(v)	Whether standard manual for training is available?	YES
8	Details of the accident occurred during the year	
(i)	Number of Accidents occurred	14
(ii)	Number of persons affected	14 (Needle stick injury)
(iii)	Remedial Action taken (Please attach details if any)	ShJ. Tetnus, HEPB. COUNSELLING. Other advises as per Doctor's Prescribed
(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?	
	NA.	
	Details of Continuous online emission monitoring systems installed	
	NA.	
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	YES
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	NONE YES NONE.
12	Any other relevant information	(Air Pollution Control Devices attached with the Incinerator)

Certified that the above report is for the period from

1 SE JANUARY 2021 TO DECEMBER 2021

[Signature]
 Name and Signature of the Head of the Institution
 Director
 Christian Medical College
 LUDHIANA-141008.

Date: 20.6.2022

Place: LUDHIANA.

[Signature]
 Office
 Christian Medical College

[Signature]
 20.6.2022
 Manager & Nodal Officer
 Incharge Bio Medical Waste Management
 Christian Medical College & Hospital,
 Brown Road, Ludhiana-141008 (Pb.)

[Signature]
 Medical Superintendent
 Christian Medical College & Hospital,
 LUDHIANA-141008 (Punjab)