

o/c

# 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 (India)

Cables/Grams : CHRISMED

DATE 20<sup>th</sup> June 2022

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

Sub: Annual report of Bio-medical Waste Disposal for the period of January 2022 to December 2022 of Christian Medical College & Hospital Ludhiana

Respected Sir,

I am sending you the Bio-medical Waste Disposal Annual report of CMC & Hospital for the period of January 2022 to December 2022.

Kindly acknowledge the report.

Thanking You,

Yours Sincerely

Dr. Melchisedec Singh  
 Professor & Head  
 Department of Anaesthesia &  
 Deputy Medical Superintendent  
 Deputy Medical Superintendent  
 Christian Medical College & Hospital,  
 Brown Road, Ludhiana  
 Punjab-141008  
 Encl: Annual Report – 2022  
 Form – IV with Other details



handovers to Badwinder Kaur  
 on 3rd floor P.P.C.B  
 focal point.

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
-------------------------	---	--	---

"Be Responsible Become Voters"

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

[To be submitted to the prescribed authority on or before 30<sup>th</sup> 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)	:	<b>Dr. Allen Joseph – Medical Superintendent</b>
	(ii) Name of HCF or CBMWTF	:	<b>Christian Medical College &amp; Hospital, Ludhiana</b>
	(iii) Address for Correspondence	:	<b>Medical Superintendent Office CMC &amp; Hospital, Brown Road Ludhiana – 141008, Punjab</b>
	(iv) Address of Facility	:	<b>CMCH, Brown Road, Ludhiana</b>
	(v) Tel. No, Fax. No	:	<b>0161 211 5075, 0161 211 5236</b>
	(vi) E-mail ID	:	<a href="mailto:msemcludhiana@gmail.com">msemcludhiana@gmail.com</a>
	(vii) URL of Website	:	<a href="http://www.cmcludhiana.in">www.cmcludhiana.in</a>
	(viii) GPS coordinates of HCF or CBMWTF	:	
	(ix) Ownership of HCF or CBMWTF	:	(State Government or Private or Semi Govt. or any other) <b>Charitable Institution - Private</b>
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: <b>BMW/Renewal/LDH1/2022/18577805</b> valid up to: <b>31/03/2024</b>
(xi). Status of Consents under Water Act and Air Act	:	Valid up to: <b>31/03/2024</b> <b>CTOW/Renewal/LDH1/2022/1875634</b> <b>CTOA/Renewal/LDH1/2022/18715228</b>	
2.	Type of Health Care Facility	:	<b>Charitable Private</b>
	(i) Bedded Hospital	:	<b>No. of Beds: 700</b>
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	<b>Dental Chairs - 146</b>

	(iii) License number and its date of expiry	:	N/A																																																																																											
3.	Details of CBMWTF	:	N/A																																																																																											
	(i) Number healthcare facilities covered by CBMWTF	:	N/A																																																																																											
	(ii) No of beds covered by CBMWTF	:	N/A																																																																																											
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	N/A Kg per day																																																																																											
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	N/A Kg/day																																																																																											
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	N/A Kg/day																																																																																											
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)		<table border="1"> <thead> <tr> <th><u>MONTH</u></th> <th><u>YELLOW (Kg)</u></th> <th><u>RED (Kg)</u></th> <th><u>WHITE (Kg)</u></th> <th><u>BLUE (Kg)</u></th> <th><u>YELLOW. C (Kg)</u></th> <th><u>Gen. Waste (Kg)</u></th> </tr> </thead> <tbody> <tr> <td>JAN - 22</td> <td>2210.580</td> <td>2626.500</td> <td>79.0909</td> <td>562.140</td> <td>93.050</td> <td>8496.3</td> </tr> <tr> <td>FEB - 22</td> <td>2376.110</td> <td>2894.910</td> <td>18.350</td> <td>615.358</td> <td>80.600</td> <td>7469.2</td> </tr> <tr> <td>MAR - 22</td> <td>2788.420</td> <td>3218.990</td> <td>65.990</td> <td>734.851</td> <td>75.200</td> <td>8506</td> </tr> <tr> <td>APR - 22</td> <td>2641.821</td> <td>2911.300</td> <td>61.380</td> <td>714.360</td> <td>58.600</td> <td>7807.1</td> </tr> <tr> <td>MAY - 22</td> <td>2906.700</td> <td>3125.839</td> <td>85.000</td> <td>818.630</td> <td>84.000</td> <td>8096.4</td> </tr> <tr> <td>JUN - 22</td> <td>2799.430</td> <td>3075.710</td> <td>58.200</td> <td>830.955</td> <td>78.920</td> <td>8691</td> </tr> <tr> <td>JUL - 22</td> <td>2944.900</td> <td>3221.100</td> <td>48.503</td> <td>943.973</td> <td>125.670</td> <td>7232.43</td> </tr> <tr> <td>AUG - 22</td> <td>3197.421</td> <td>3461.430</td> <td>71.370</td> <td>917.891</td> <td>95.710</td> <td>9382.2</td> </tr> <tr> <td>SEP - 22</td> <td>3189.021</td> <td>3440.050</td> <td>119.630</td> <td>798.924</td> <td>91.700</td> <td>8464.4</td> </tr> <tr> <td>OCT - 22</td> <td>3416.660</td> <td>3568.380</td> <td>54.565</td> <td>760.949</td> <td>85.800</td> <td>8951.6</td> </tr> <tr> <td>NOV - 22</td> <td>3041.510</td> <td>3414.205</td> <td>49.835</td> <td>796.028</td> <td>93.717</td> <td>8334.9</td> </tr> <tr> <td>DEC - 22</td> <td>2774.100</td> <td>3032.850</td> <td>61.300</td> <td>666.339</td> <td>93.200</td> <td>8607.8</td> </tr> </tbody> </table>	<u>MONTH</u>	<u>YELLOW (Kg)</u>	<u>RED (Kg)</u>	<u>WHITE (Kg)</u>	<u>BLUE (Kg)</u>	<u>YELLOW. C (Kg)</u>	<u>Gen. Waste (Kg)</u>	JAN - 22	2210.580	2626.500	79.0909	562.140	93.050	8496.3	FEB - 22	2376.110	2894.910	18.350	615.358	80.600	7469.2	MAR - 22	2788.420	3218.990	65.990	734.851	75.200	8506	APR - 22	2641.821	2911.300	61.380	714.360	58.600	7807.1	MAY - 22	2906.700	3125.839	85.000	818.630	84.000	8096.4	JUN - 22	2799.430	3075.710	58.200	830.955	78.920	8691	JUL - 22	2944.900	3221.100	48.503	943.973	125.670	7232.43	AUG - 22	3197.421	3461.430	71.370	917.891	95.710	9382.2	SEP - 22	3189.021	3440.050	119.630	798.924	91.700	8464.4	OCT - 22	3416.660	3568.380	54.565	760.949	85.800	8951.6	NOV - 22	3041.510	3414.205	49.835	796.028	93.717	8334.9	DEC - 22	2774.100	3032.850	61.300	666.339	93.200	8607.8
<u>MONTH</u>	<u>YELLOW (Kg)</u>	<u>RED (Kg)</u>	<u>WHITE (Kg)</u>	<u>BLUE (Kg)</u>	<u>YELLOW. C (Kg)</u>	<u>Gen. Waste (Kg)</u>																																																																																								
JAN - 22	2210.580	2626.500	79.0909	562.140	93.050	8496.3																																																																																								
FEB - 22	2376.110	2894.910	18.350	615.358	80.600	7469.2																																																																																								
MAR - 22	2788.420	3218.990	65.990	734.851	75.200	8506																																																																																								
APR - 22	2641.821	2911.300	61.380	714.360	58.600	7807.1																																																																																								
MAY - 22	2906.700	3125.839	85.000	818.630	84.000	8096.4																																																																																								
JUN - 22	2799.430	3075.710	58.200	830.955	78.920	8691																																																																																								
JUL - 22	2944.900	3221.100	48.503	943.973	125.670	7232.43																																																																																								
AUG - 22	3197.421	3461.430	71.370	917.891	95.710	9382.2																																																																																								
SEP - 22	3189.021	3440.050	119.630	798.924	91.700	8464.4																																																																																								
OCT - 22	3416.660	3568.380	54.565	760.949	85.800	8951.6																																																																																								
NOV - 22	3041.510	3414.205	49.835	796.028	93.717	8334.9																																																																																								
DEC - 22	2774.100	3032.850	61.300	666.339	93.200	8607.8																																																																																								

			<b>G. Total</b>	34266.673	37971.264	773.213	9160.398	1056.167	100039.33
			<b>MONTHLY Avg,</b>	2855.550	3164.270	64.430	763.360	88.010	8336.58
5	Details of the Storage, treatment, transportation, processing and Disposal Facility								
	(i) Details of the facility on-site storage	:	Size : 18'X 11 = 198 SQ FT 15' X 6 = 90 SQ FT Capacity: 1584 + 1674 (CUFT)						
			Provision of on-site storage any other provision)					: (cold storage or	
	(ii) Details of the disposal facilities treatment or		Type of treatment equipment	No of unit s		Capacity Kg/day	Quantity treated or disposed day in kg per annum		
			Incinerators						
			Plasma Pyrolysis						
			Autoclaves	3					
			Microwave	1					
			Hydroclave						
			Shredder						
			Needle tip cutter or destroyer	Needle Cutter – 35 Needle Burner - 40					
			Sharps encapsulation or concrete pit						
			Deep burial pits:						
			Chemical disinfection:	1% Sodium Hypochlorite treatment in labs & OTs					
			Any other treatment equipment:	STP plant (250 KL/day) for liquid waste treatment					
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.	:	Red Category (like plastic, glass etc.) – N/A						
	(iv) No of vehicles used for collection and transportation of biomedical waste	:	N/A						
	(v) Details of incineration ash and ETP sludge generated and disposed			Quantity generated		Where disposed			
			Incineration	N/A					
			Ash	N/A					

	during the treatment of wastes in Kg per annum	ETP Sludge	18 – 22 kg per day Approx. M/s. Ramkay Enviro Engineers Pvt. Ltd., Vill. Nimbua, Mohali Punjab	
	(vi) Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of	M/s. Medicare Environmental Management Pvt. Ltd Tajpur Road , Ludhiana		
	(vii) List of members 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 – Photocopy of Minutes attached		
7	Details trainings conducted on BMW	45		
	(i) Number of trainings conducted on BMW Management.	45		
	(ii) number of personnel trained	1039		
	(iii) number of personnel trained at the time of induction	Nil		
	(iv) number of personnel not undergone any training so far	Yes		
	(v) whether standard manual for training is available?	Yes		
	(vi) any other information)			
8	Details of the accident occurred during the year	18		
	(i) Number of Accidents occurred			

	(ii) Number of the persons affected	18
	(iii) Remedial Action taken (Please attach details if any)	Given Injection – TT, Counselling and all medical investigations done as required
	(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 a year?	Yes  None
11	Is the disinfection method or sterilization meeting the log 4	Yes

	standards?  How many times you have not met the standards in a year?	None
12	Any other relevant information	(Air Pollution Control Devices attached with the Incinerator) N/A


Certified that the above report is for the period from  
January 2022 to December 2022

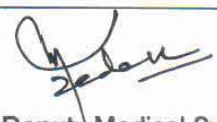
  
Director  
Christian Medical College  
LUDHIANA-141008.

Name and Signature of the Head of the Institution

Date: 20/06/2023  
Place: Ludhiana

  
Chief Maintenance Officer  
Christian Medical College  
LUDHIANA

  
20.6.2023  
Manager & Nodal Officer  
Bio Medical Waste Management  
Christian Medical College & Hospital,  
Brown Road, Ludhiana-141008 (Pb.)

  
Deputy Medical Superintendent  
Christian Medical College & Hospital,  
Brown Road, Ludhiana  
Punjab-141008