

Date: 28-06-2024

TO

The Environmental Engineer
Kerala State Pollution Control Board
Malappuram

**Sub: Submission of annual report (form IV) for the year Jan 2023 -Dec 2023
under Biomedical Waste Management and Handling Rules,**

Ref: KSPCB Consent No. KSPCB/MA/ICO/10031268/2023

Dear Sir,

With Reference to the above subject, I Here with submitting details of form IV (under Biomedical Waste Management and Handling Rules, Annual returns) disposed to KSPCB authorized agency for the year Jan 2023- Dec 2023 of our unit having address Malabar Institute of Medical Sciences Ltd, Areekode (Aster Mother Hospital ,Areekode ,Ugrapuram (PO), Perumparamb, Vazhakkad Road, Areekode, Malappuram, Kerala ,673639) .

Please Update in your records and acknowledge the same.

Regards

For Malabar Institute of Medical Sciences Ltd, Areekode


Dr. Dilshad Thondiparambil
Deputy Chief of Medical Services
Aster Mother Hospital - Areekode



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	Details	
1	Particulars of the Occupier		
	(I) Name of the authorized person (occupier or operator of facility)	The Director	
	(ii) Name of HCF	MALABAR INSTITUTE OF MEDICAL SCIENCES LTD, AREEKODE (Aster Mother Hospital Areekode) IMAGE CBWTF Aff.No.MPM.1074	
	(iii) Address for Correspondence	Malabar Institute of Medical Sciences Ltd,Areekode Aster Mother Hospital,Areekode Ugrapuram (PO),Perumparamb Vazhakad Road, Eranad, Malappuram, Kerala, India, Pin - 673639	
	(iv) Address of Facility	Malabar Institute of Medical Sciences Ltd,Areekode Aster Mother Hospital,Areekode Ugrapuram (PO),Perumparamb Vazhakad Road, Eranad, Malappuram, Kerala, India, Pin - 673639	
	(v) Tel. No, Fax. No	9995967420, 9946884888	
	(vi) E-mail ID	astermother@asterhospital.com	
	(vii) URL of Website		
	(viii) GPS coordinates of HCF or CBMWTF	Latitude - Longitude -	11.2306657 76.0375538
	(ix) Ownership of HCF or CBMWTF	Director	
	(x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	Authorization No: KSPCB/MA/ICO/10031268/2023	Valid up to 30-06-2028
	(xi) Status of Consents under Water Act and Air Act	KSPCB/MA/ICO/10031268/2023	Valid up to 30-06-2028
2	Type of Health Care Facility		
	(i) Bedded Hospital	No of Beds: 145	
	(ii) Non-bedded hospital		
	(Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)		
	(iii) License number and its date of expiry		

Details of CBMWTF	IMAGE / IMA,KSB,Behind Gramalakshmi Mudralayam, Manthuruthi, Kanjikkode west,Palakkad - 678 623, Tel. No.:0491 2570470, Email: imageimaksbtvm@gmail.com Admin: Office: IMAGE, IMA State Headquarters,Anayara PO, Thiruvananthapuram Ph. 0471-274 2211, 274 1188																																							
(i) Number healthcare facilities covered by CBMWTF	18916																																							
(ii) No of beds covered by CBMWTF	101809																																							
(iii) Installed treatment and disposal capacity of CBMWTF:	55.8 tonnes per day																																							
(iv) Quantity of biomedical waste treated or disposed by CBMWTF	51.52 tonnes per day																																							
4 Quantity of waste generated or disposed in Kg per annum (on monthly average basis) (kg/year)	35760.674																																							
	<table border="1"> <thead> <tr> <th data-bbox="647 682 895 745">Category</th> <th data-bbox="895 682 1142 745">Regular(kg)</th> <th data-bbox="1142 682 1403 745">Covid(kg)</th> </tr> </thead> <tbody> <tr> <td data-bbox="647 745 895 787">Red Waste (kg/year)</td> <td data-bbox="895 745 1142 787">15494.022</td> <td data-bbox="1142 745 1403 787">0.00</td> </tr> <tr> <td data-bbox="647 787 895 871">Yellow Waste (kg/year)</td> <td data-bbox="895 787 1142 871">17778.888</td> <td data-bbox="1142 787 1403 871">0.00</td> </tr> <tr> <td data-bbox="647 871 895 913">Blue Waste (kg/year)</td> <td data-bbox="895 871 1142 913">2028.696</td> <td data-bbox="1142 871 1403 913">0.00</td> </tr> <tr> <td data-bbox="647 913 895 987">White Waste (kg/year)</td> <td data-bbox="895 913 1142 987">459.068</td> <td data-bbox="1142 913 1403 987">0.00</td> </tr> </tbody> </table>			Category	Regular(kg)	Covid(kg)	Red Waste (kg/year)	15494.022	0.00	Yellow Waste (kg/year)	17778.888	0.00	Blue Waste (kg/year)	2028.696	0.00	White Waste (kg/year)	459.068	0.00																						
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5 Details of the Storage, treatment, transportation, processing and Disposal Facility																																								
(i) Details of the on-site storage facility :	yes																																							
Size :	320 sqft																																							
Capacity:	2000kg																																							
Provision of on-site storage: (cold storage or any other provision)	well ventilated, dedicated storage rooms based on their categories in their in our facility.																																							
(ii) Details of the treatment or disposal facilities	<table border="1"> <thead> <tr> <th data-bbox="647 1354 880 1522">Type of treatment equipment</th> <th data-bbox="880 1354 1026 1522">No of units</th> <th data-bbox="1026 1354 1215 1522">Capacity Kg/ day</th> <th data-bbox="1215 1354 1403 1522">Quantity Treated or disposed in kg per annum (kg/year)</th> </tr> </thead> <tbody> <tr> <td data-bbox="647 1522 880 1564">Incinerators</td> <td data-bbox="880 1522 1026 1564">Nil</td> <td data-bbox="1026 1522 1215 1564">Nil</td> <td data-bbox="1215 1522 1403 1564"></td> </tr> <tr> <td data-bbox="647 1564 880 1606">Plasma Pyrolysis</td> <td data-bbox="880 1564 1026 1606">Nil</td> <td data-bbox="1026 1564 1215 1606">Nil</td> <td data-bbox="1215 1564 1403 1606"></td> </tr> <tr> <td data-bbox="647 1606 880 1648">Autoclaves</td> <td data-bbox="880 1606 1026 1648">Nil</td> <td data-bbox="1026 1606 1215 1648">Nil</td> <td data-bbox="1215 1606 1403 1648"></td> </tr> <tr> <td data-bbox="647 1648 880 1690">Microwave</td> <td data-bbox="880 1648 1026 1690">Nil</td> <td data-bbox="1026 1648 1215 1690">Nil</td> <td data-bbox="1215 1648 1403 1690"></td> </tr> <tr> <td data-bbox="647 1690 880 1732">Hydroclave</td> <td data-bbox="880 1690 1026 1732">Nil</td> <td data-bbox="1026 1690 1215 1732">Nil</td> <td data-bbox="1215 1690 1403 1732"></td> </tr> <tr> <td data-bbox="647 1732 880 1774">Shredder</td> <td data-bbox="880 1732 1026 1774">Nil</td> <td data-bbox="1026 1732 1215 1774">Nil</td> <td data-bbox="1215 1732 1403 1774"></td> </tr> <tr> <td data-bbox="647 1774 880 1837">Needle tip cutter or destroyer</td> <td data-bbox="880 1774 1026 1837">Nil</td> <td data-bbox="1026 1774 1215 1837">Nil</td> <td data-bbox="1215 1774 1403 1837"></td> </tr> <tr> <td data-bbox="647 1837 880 2005">Sharps (bottles) Encapsulation or concrete pit</td> <td data-bbox="880 1837 1026 2005">Nil</td> <td data-bbox="1026 1837 1215 2005">Nil</td> <td data-bbox="1215 1837 1403 2005"></td> </tr> </tbody> </table>				Type of treatment equipment	No of units	Capacity Kg/ day	Quantity Treated or disposed in kg per annum (kg/year)	Incinerators	Nil	Nil		Plasma Pyrolysis	Nil	Nil		Autoclaves	Nil	Nil		Microwave	Nil	Nil		Hydroclave	Nil	Nil		Shredder	Nil	Nil		Needle tip cutter or destroyer	Nil	Nil		Sharps (bottles) Encapsulation or concrete pit	Nil	Nil	
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Deep burial pits (Needle)	Nil	Nil												
Chemical disinfection	Nil	Nil												
Any other treatment equipment:	Nil	Nil												
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum. Red Category (like plastic, glass etc.)	The Biomedical Waste generated from this HCE is collected, transported to the CBWTF, treated & disposed of by the IMAGE - CBWTF.												
	(iv) No of vehicles used for collection and transportation of biomedical waste	The Biomedical Waste generated from this HCE is collected, transported to the CBWTF, treated & disposed of by the IMAGE - CBWTF.												
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	The Biomedical Waste generated from this HCE is collected, transported to the CBWTF, treated & disposed of by the IMAGE - CBWTF.												
	(vi) Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of	IMAGE CBWTF (Indian Medical Association Goes Eco-friendly) Manthuruthi, Kanjikode West, Palakkad – 678623												
	(vii) List of members HCF not handed over bio-medical waste.	NA												
6	Do you have a bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	Yes												
7	Details trainings conducted on BMW													
	(i) Number of trainings conducted on BMW Management	32												
	(ii) number of personnel trained	659												
	(iii) number of personnel trained at the time of induction	516												
	(iv) number of personnel not undergone any training so far	No												
	(v) whether standard manual for training is available?	Biomedical Waste Management Training Module from the IMAGE- CBWTF												
	(vi) any other information													
8	Details of the accident occurred during the year													
	(i) Number of Accidents	Nil												
	(ii) Number of the persons affected occurred													
	(iii) Remedial Action taken (Please attach details if any)													
	(iv) Any Fatality occurred, details.													
9	Are you meeting the standards of air Pollution from the incinerator?	We don't have incinerator												
	How many times in last year could not met the standards?													

	Details of Continuous online emission monitoring systems installed	
10	Liquid waste generated and treatment methods in place.	Yes, we have a separate line and collection tank for liquid bio-medical waste at STP area, which is treated as per norms and treated using Ultra filtration technique
	How many times you have not met the standards in a year?	-
11	Is the disinfection method or sterilization meeting the log 4 standards?	Yes
	How many times you have not met the standards in a year?	
12	Any other relevant information	
	(Air Pollution Control Devices attached with the Incinerator)	

Certified that the above report is for the period from 01-01-2023 to 31-12-2023

Name and Signature of the Head of the Institution



Dr. Dilshad Thondiparambil
Deputy Chief of Medical Services
Aster Mother Hospital - Areekode



Date: 31-12-2023
Place: Ugrapuram

ASTER MOTHER HOSPITAL AREEKODE BIO-MEDICAL WASTE REPORT (MONTH WISE) IN KGS 2023

SL.NO	Month	Blue Bags		Red Bags		Yellow Bags		Containers/sharps		Total	
		Count	Weight	Count	weight	Count	Weight	Count	Weight	Count	Weight
1	January	2.00	14.10	1183.00	1644.00	1983.00	1614.00	1.00	2.34		3274.44
2	February	29.00	149.10	887.00	1320.50	1466.00	1001.14	9.00	22.77		2493.51
3	March	73.00	123.09	1092.00	973.70	1709.00	1465.39	66.00	72.01		2634.19
4	April	37.00	166.12	1074.00	985.67	1822.00	1506.66	11.00	22.49		2680.94
5	May	21.00	101.34	1182.00	1111.88	1862.00	1610.27	8.00	15.36		2838.85
6	June	39.00	169.28	1057.00	1047.47	1586.00	1435.33	12.00	24.92		2686.91
7	July	43.00	172.85	1335.00	1104.66	2332.00	1366.43	22.00	73.44		2717.38
8	August	42.00	173.55	1225.00	1337.58	2608.00	1882.97	18.00	57.34		3451.44
9	September	37.00	195.53	1769.00	1628.90	2950.00	1623.96	9.00	32.70		3481.09
10	October	49.00	291.66	1506.00	1502.12	2775.00	1437.00	16.00	50.65		3281.43
11	November	57.00	275.48	1463.00	1528.61	2378.00	1297.56	13.00	37.06		3138.71
12	December	32.00	196.60	1398.00	1308.93	2141.00	1538.18	20.00	47.99		3091.70



Dr. B. B. B. B.