



## GOVERNMENT OF KERALA

### Abstract

Health & Family Welfare Department - Annual Plan 2021-22 - Medical Education - Implementation of Plan Scheme "Waste Treatment Facilities in Medical Colleges / Hospital Waste Management in Medical College Hospitals" - Administrative Sanction accorded - Orders issued.

### HEALTH & FAMILY WELFARE (P) DEPARTMENT

**G.O. (Rt) No.2054/2021/H&FWD**

**Dated, Thiruvananthapuram, 23/09/2021**

- Read: 1. Letter No. DME/3046/2021-P1 Dated 12/07/2021, 26/07/2021 & 8/9/2021 from the Director of Medical Education, Thiruvananthapuram.  
2. Minutes of the 5<sup>th</sup> Departmental Working Group Meeting held on 26/08/2021.

### ORDER

In the Annual Plan Budget 2021-22, an amount of **Rs. 900 Lakh** has been provided under the Head of Account '2210-06-001-99-34 OC (Plan)' for implementation of the Plan Scheme '**Waste Treatment Facilities in Medical Colleges/ Hospital Waste Management in Medical College Hospitals**'. As per the letters read above, the Director of Medical Education has submitted proposals seeking Administrative Sanction for implementing the above Scheme at a total cost of Rs.900 Lakh by meeting expenditure from the provision under head of account '2210-06-001-99-34 OC (Plan)' in the current year's budget.

2. The 5<sup>th</sup> Departmental Working Group for Health & Family Welfare Department convened by Additional Chief Secretary (Health) held on 26/08/2021 scrutinised the above plan scheme proposal and approved the same as detailed in the minutes read above.

3. In pursuance of the decision of the Departmental Working Group, Administrative Sanction is accorded for implementation of the Plan Scheme 'Waste Treatment Facilities in Medical Colleges/ Hospital Waste Management in Medical College Hospitals' for a total amount of **Rs.9,00,00,000/- (Rupees Nine Crore Only)**, as detailed below, by meeting the expenditure from the provision under head of account '2210-06-001-99 -34 OC (Plan)' in the current year's budget.

### Medical College, Thiruvananthapuram

Sl. No	Name of Item	Qty	Rate/Unit (in Rs.)	Amount (in Rs.)
	<b>House Keeping, MCH</b>			
1	Incinerator effluent treatment plant	1 Nos	6,00,000	6,00,000
2	Yellow colour waste segregation bags	2,50,000 Nos	9/ per cover	22,50,000
3	Red colour Waste segregation bags	2,00,000 Nos	9/per cover	18,00,000
4	Green colour Waste Segregation bags	40,200 Kg	75/per Kg	30,15,000

5	Diesel for incinerator	795 Ltr	85/per Ltr	67,575
6	Payment to image for waste collection			27,50,000
<b>House Keeping, SATH</b>				
1	Barcoded Bags Yellow and Red discarded medicine			15,00,000
2	Green cover			12,00,000
3	Lemon grassoil (Litre)	20	1,800	36,000
4	Safety Belt	3	-	10,000
5	Sharp waste containers (5 ltr)	300	220	66,000
6	Four wheel low floor side body (with handle) trolley for waste removal Aluminium body Iron frame.	15	20,000	3,00,000
7	Four wheel low floor iron body with scooter type for shifting weight items	3	20,000	60,000
8	Colour coded bucket for biomedical waste (30 Ltr) swing type Red	100	450	45,000
9	Colour coded bucket yellow colour swing type	100	450	45,000
10	Colour coded bucket blue colour swing type	100	450	45,000
11	Colour coded bags (60 Ltr) Blue, Red, Yellow colour pedal type (50 each)	150	1,300	1,95,000
12	Covered stainless trolley 5 feet length for biomedical waste management	-	-	1,00,000
13	Iron ladder 15 feet adjustable 1 inch pipe 12 feet & 3 feet	2	20,000	40,000
14	Sodium hypochlorite Solution	-	-	25,000
15	Low foam cleaning solution for scrubbing machine	-	-	50,000
16	Ecoshield solution for fumigation	-	-	35,000
17	Wheel barrow four wheel Aluminium body	10	20,000	2,00,000
18	Diesel for incinerator			50,000
19	Petrol operated grass cutter	1	25,000	25,000
20	Manvetty with 1 inch rod or wood handle	5	800	4,000
21	Shoe, Apron, Mask, Glove for incinerator for operators			10,000
22	Spare parts for roots scrubbing machine			20,000
23	Spare parts for carture scrubbing machine			15,000
24	Broom	2000		1,00,000
25	Plastic Broom	250		20,000



26	Payment to image for waste collection			11,43,030
27	Steam cleaner for theatres			80,000
28	Operation & Maintenance (AMC) cost of Biogas Plants			39,98,000
29	Pending Bills Payment			1,00,395
	<b>Total (Rupees Two Crore Only)</b>			<b>2,00,00,000</b>

**Medical College, Alappuzha**

Sl.No	Name of Item	Amount (in Rs.)
1	Payment to Image	22,00,000
2	Biomedical Waste Collection Segregation Bag	25,00,000
3	Balance Payment to IRTC Project Implementation Unit, Mundur, Palakkad for maintenance work of Biogas plant in nursing hostel & MCH	3,42,922
4	Annual maintenance work of biogas plant at MCH Vandanam	5,00,000
5	Repair, rejuvenation and renovation work of 1.5 MLD STP by IRTC-PIU	1,09,29,587
6.	Annual Maintenance Contract of STP	22,00,000
7.	Sky Ladder (2 Nos)	28,000
8.	High Pressure Water jet Cleaner (7 Nos)	4,03,200
9.	Mini Floor Cleaning machine (9 Nos)	3,44,970
10.	Hand held single brush scrubber (1)	1,25,161
11.	Mist/Cold fogger – 4 Lr capacity (2Nos)	60,000
12.	Sanitary Pad disposing machine (12 Nos)	3,60,000
13.	Dust Pan broom with clip and hand (4 Nos)	6,160
	<b>Total (Rupees Two Crore Only)</b>	<b>2,00,00,000</b>

**Medical College, Kottayam**

Sl. No	Name of Item	Amount (in Rs.)
1.	Payment Towards waste collection charges to IMAGE.	20,00,000
2.	Procurement of waste Segregation Bag for Biomedical waste and other solid waste.	62,00,000
3.	Maintenance of Sewage Treatment Plant	18,00,000
	<b>Total (Rupees One Crore Only)</b>	<b>Rs. 1,00,00,000</b>

**Medical College, Kozhikode**

Sl. No	Name of Item	Amount (in Rs.)
1.	Payment to M/s. IMAGE	24,00,000
2.	Purchase of Segregation bag	60,00,000
	<b>Total (Rupees Eighty Four Lakh Only)</b>	<b>84,00,000</b>

**Medical College, Thrissur**

Sl.No	Name of Item	Amount (in Rs.)
1	Fee for Bio medical waste management to IMAGE	40,00,000
2	Construction of temporary shed for collecting and keeping food waste & biomedical waste (PWD estimate)	20,00,000
3	Covered Stainless steel trolley for Bio Medical Waste management	50,000
4	Waste bin for Hospital	50,000
5	Waste bins for academic block	50,000
6	Different coloured poly bags	20,00,000
7	High power jet washer, scrub machine (7 Nos), scrub machine with battery	20,00,000
8	Purchase of various tools, ladder, brush cutter etc	1,50,000
9	Segregation and processing of food waste and solid waste at fertiliser plant by Kudumbasree workers @ 4000 per day	15,00,000
10	Motorised customised special vehicle to transport food waste and other solid waste from Hospital to Food waste and solid waste treatment plant	5,00,000
11	Preparation of comprehensive waste management project for the whole campus by Integrated Rural Technology Centre (IRTC) (Estimate by IRTC)	2,00,000
	<b>Total (Rupees One Crore and Twenty Five Lakh Only)</b>	<b>1,25,00,000</b>

**Medical College, Ernakulam**

Sl.No	Name of Item	Amount (in Rs.)
1	MCF and Aerobic Composting Unit (Pending Bills)	24,00,000

2	Garbage Bags - Biomedical waste collection	20,00,000
3	Bio Compostable Garbage bags - general waste collection	16,00,000
4	IMAGE service charges and other waste disposal charges	15,00,000
5	Chemicals and solutions for cleaning and disinfection	10,00,000
6	Materials and Equipment for Cleaning and infection control activities	3,00,000
7	Incinerator AMC and Maintenance including spares	4,00,000
8	Sewage line and Manhole-Sanitary works	1,50,000
9	Napkin Incinerator for MBBS Ladies Hostel	2,00,000
10	Napkin Incinerator for Ladies House Surgeons Quarters	2,00,000
11	Napkin Incinerator for Paramedical Ladies Hostel	2,00,000
12	Printing - IEC on Waste management and infection control	50,000
<b>Total (Rupees One Crore Only)</b>		<b>1,00,00,000</b>

#### Medical College Kollam

Sl.No	Name of Item	Amount (in Rs.)
1	Purchase of Waste disposable plastic bags of various colors	7,24,000
2	Payment to IMAGE for Hospital Waste Management	5,00,000
3	Purchase of consumables like cleaning Mop, wiper, lotion, broom, soap etc	5,00,000
4	Civil Works (Rs.14,73,000/-) and electrical works for installation of Insinerator (3,0,3000/- )	17,76,000
<b>Total (Rupees Thirty Five Lakh Only)</b>		<b>35,00,000</b>

#### Medical College, Kannur

Sl.No	Name of Item	Amount (in Rs.)
1	Daily Running Cost	22,60,000
2	Cost of Segregation Cover	10,00,000
3	Sundry items	52,408
4	Mini floor scrubber - 4 nos	2,87,592
<b>Total (Rupees Thirty Six Lakh)</b>		<b>36,00,000</b>



**Medical College, Manjeri**

Sl.No.	Name of Item	Department	Amount (in Rs.)
1	Consumables to Sewage Treatment Plant	Waste Treatment Plant	4,41,320
2	Charges to IMAGE for processing Biomedical Waste for the year 2021-2022		8,48,680
3	Maintenance Charge to Pollution Control Board Approved Agency For Maintaining Sewage Treatment Plant 2021-22		7,20,000
	<b>Total</b>		<b>20,00,000</b>

All the Works shall be done in a transparent manner and in accordance with the estimate prevailing norms and conditions. All purchases will be made in strict observance of State Purchase Rules.

By Order of the Governor,  
**RAJAN N KHOBRAGADE**  
Principal Secretary to Govt

To

The Director of Medical Education, Thiruvananthapuram  
The Principal, Medical College. TVPM/Alappuzha/Kottayam/Kozhikode/  
Thrissur/Ernakulam/Kollam/ Kannur/Manjeri.

The Member Secretary, State Planning Board, Thiruvananthapuram

The Chief Engineer, P.W.D. (Buildings), Thiruvananthapuram.

The Principal Accountant General (Audit), Kerala, Tvpm

The Accountant General (A&E), Kerala, Thiruvananthapuram { This order is issued with the  
Finance (Health - A) Department. approval of Working Group

Planning & Economic Affairs Department

✓ The Director, Information and Public Relations Dept. (Web & New Media for  
publishing in the Government website)

Stores Purchase Department

Stock file, O.C

Forwarded/By Order

  
✓ Section Officer