



TAGORE MEDICAL COLLEGE & HOSPITAL

Rathinamangalam, Melakkottaiyur Post, Chennai - 600127.

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(Affiliated to the Tamil Nadu Dr.MGR Medical University & Recognized by the Ministry of Health & Family welfare. Govt. of India New Delhi)

Water and Energy Conservation policy	Policy No : 32
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Policy	Water and Energy Conservation policy
Objectives	<p>The policy is a commitment to:</p> <ul style="list-style-type: none">• Draft and implement a strategic plan to achieve efficient usage and conservation of water and energy in and around the campus.• Provide resources as and when required to conserve water and energy and achieve water and energy efficiency.• Train staff to ensure that they are capable of conserving water and energy and of using it efficiently.• That the policy will be endorsed by top management and the staff will be familiarized with the contents of the policy.
Purpose	<p>Water is the vital natural life source for all living beings and electricity is the significant source of energy for regular functioning and development of the mankind. The institution realises the significance of the conservation of these life resources and had developed the Water and energy Policy to serve as a driver to improve and promote efficient usage and conservation of water and electrical energy at TMCH.</p>
Procedure with SOP	<p>Water conservation:</p> <p>TMCH has installed Sewage treatment panel consisting Sewage Treatment Plants (STP) (2 nos. of 175 KLD capacity inch) and the design of the Effluent Treatment Plant (1no.of20KLD capacity) installed in the “Medical College Campus with Hospital” adequate to handle up to 350 KFD of inflow volume of sewage in the STPs and 20 KLD of inflow volume of effluent in the ETP. The design dimensions of the various units of the STPs and ETP are adequate</p>

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to handle the said inflow volume end is in line with the prevailing guidelines as enumerated in the Central Public Health and Environmental Engineering Organization (CPHEEO) Manual duly backed with the references of Metcalf & Eddy (Wastewater Engineering — Treatment and Retise, 2fi10) and S.K. Garg (Sewage Disposal and Air Pollution Engineering, 2006).

The STPs consist of a Civil Tank with a capacity of 1, 75,000.00- L/P/D and a Steel Tank with a capacity of 350000.00 - L/P/D for efficient waste water management and recycling with statutory clearances and permissions. Regular auditing and inspections are conducted by the Tamil Nadu Pollution control Board to ensure that the treated sewage/effluent water meets the standards for recycling as per the state and the central pollution control board. A greater proportion of the recycled water is used for the maintenance of the greenery in the campus. Rain water harvesting is effectively implemented throughout the entire campus. Reverse osmosis is installed in the campus which can provide for the drinking water requirements of the Collage at a capacity of 2000.00 L/P/H, Boys Hostel at a capacity of 500.00 L/P/H and the Girls hostel at a capacity of 500.00 L/P/H, with periodic check of the water quality. Efforts are also taken continuously by the institution to maintain the natural water resources in and around the campus. Sensor water taps are also installed in selected areas of the college and the hospital.

Energy conservation:

Equipment is operated only when buildings and venues are in use. Effectiveness of equipment is ensured through planned maintenance. Conventional light fittings are replaced with energy efficient alternatives. Movement sensors are installed to activate and deactivate lights. Suitable measures will be implemented to raise the awareness of staff and students of the critical need to conserve energy.

Simple rules that are promoted in TMCH to save energy are:

- Switch off lights and air conditioners when leaving the office
- The power settings of PCs and printers as well as computer UPS and


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	<p>IT infrastructure will have to be reconfigured to reduce power usage</p> <ul style="list-style-type: none">• Apply power saving mode and screen savers on PCs when left inoperative for periods of 15 min or more• Ensure that energy efficiency is prioritized when energy intensive equipment is purchased. <p>Solar panels have been installed to power water heaters and lights. TMCH has a functioning bio gas plant. Measures taken to purchase renewable energy from the Government.</p>
Frequency	3 Years
Related/Supportive documents	Nil
Custodian	IQAC Coordinator

Prepared by	Verified by	Approved by
 Maintenance Head	 IQAC Coordinator	 Dean

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