

# **WATER MANAGEMENT POLICY**

## **Introduction**

Mar Baselios College of Teacher Education, Sultan Bathery, has implemented a comprehensive water management and conservation program aimed at sustainable resource utilization. This document outlines the key initiatives undertaken by the college to optimize water usage and minimize environmental impact.

## **Rainwater Harvesting**

The college has installed a robust rainwater harvesting system comprising strategically located rainwater harvesting pits and tanks connected to the campus rooftops. Regular maintenance ensures optimal system performance and efficiency. Captured rainwater is utilized for various purposes, including landscape irrigation, toilet flushing, and groundwater recharge. This initiative has significantly reduced the college's reliance on municipal water supply, particularly during the dry season. The environmental benefits include groundwater replenishment and overall ecological sustainability.

## **Wastewater Recycling**

To further conserve water resources, the college has implemented a wastewater recycling system. The treated water is subsequently reused for non-potable applications such as toilet flushing, landscape maintenance, and general campus cleaning. This initiative has led to substantial reductions in

fresh water consumption and minimized the college's environmental footprint.

### **Water Storage and Management**

The college maintains a reliable water supply through a combination of underground and overhead water storage tanks, supplemented by borewells. To ensure water quality, regular monitoring is conducted. The college has also adopted water-saving measures, including the installation of efficient fixtures, regular plumbing maintenance, and promoting water conservation among the campus community. Additionally, the college has implemented optimized watering schedules for the campus landscape.

### **Summer Water Management**

The college recognizes the importance of effective water management during the summer months. Strategies include optimizing the distribution of stored rainwater, prioritizing water usage for essential purposes, and closely monitoring water levels in storage tanks. Harvested rainwater plays a crucial role in supporting various college activities during the summer, including the 4-day community living camp, the 7-day B.Ed. NSS camp, and the 15-day TTI camps. By utilizing rainwater for drinking water, sanitation, and other camp requirements, the college significantly reduces its demand on the municipal water supply and promotes sustainable practices among students and participants.

## **Awareness and Education**

To foster a water-conscious campus community, the college has undertaken various awareness initiatives. These include the dissemination of information through posters and signboards, conducting workshops and seminars, organizing competitions and quizzes, and collaborating with the local community on water-related issues. These efforts aim to educate the campus community about the importance of water conservation and promote sustainable water practices.