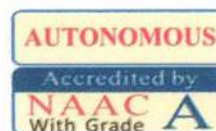




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7.1.4 Water conservation facilities available in the institution:

I. RAIN WATER HARVESTING

Rainwater harvesting is the simple process or technology used to conserve rainwater by collecting, storing, conveying and purifying of rainwater that runs off from rooftops, parks, roads, open grounds, etc. for later use. DVR & Dr. HS MIC College of Technology has rainwater harvesting pits in the campus to collect the rain water from roof tops, roads and open grounds and sink the rain water to the underground.

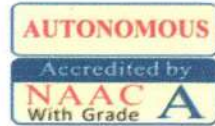


Rain water harvesting pit



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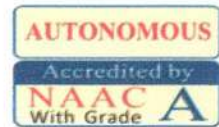


Rain water harvesting pits



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II. BOREWELL / OPEN WELL RECHARGE



Borewell


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III. CONSTRUCTION OF TANKS AND BUNDS

We have a separate tank system for drinking as well as bore water for the convenient usage. Water from the bore well, open well and other water bodies are collected through the pipes and stored in the tank (at every block). Maintenance department of the college taking responsible for cleaning the tanks regularly.

The proper Bunds are constructed in the campus and used for retaining the water, creating obstruction and thus to control erosion. Bunds can be used to hold rainwater in lightly sloping plains and to ensure that bunds continue to provide the necessary protection against leaks and spills etc. Hence bunds should be assessed periodically to ensure that they continue to provide sufficient integrity around the campus.

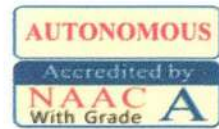


Underground water tank



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Underground water tanks



IV. WASTE WATER RECYCLING

Recycling of wastewater is done to treat the wastewater to a level suitable for various purposes. Water recycling is reusing treated waste water for beneficial purposes such as agricultural and landscape irrigation, industrial processes, toilet flushing and replenishing a ground water basin. The term water recycling is generally used synonymously with water reclamation and water reuse.

The waste water from the RO water plant is used to sprinkle in the lawn/open ground through sprinkler.

Necessity of wastewater recycling:

- Interminable population growth, dwindling water resources and scarcity of water in many part of the world which is often polluted and high cost of energy required for treating and distribution of water have force us to search for innovative sources of water supply.
- The unbridled exploitation of ground water for irrigation, drinking and industrial purposes has caused the water table to recede by two meters each year.
- The over exploitation of limited resources has caused not only a perceptible decline in the waste water table but has also resulted in concentration of pollutants on ground, which otherwise would have flowed away.
- Use of highly treated sewage effluent discharge into the environment is receiving more attention as the reliable source of water.

WATER SPRINKLER

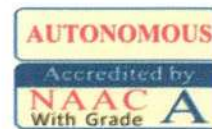


Waste water from RO plant through sprinkler



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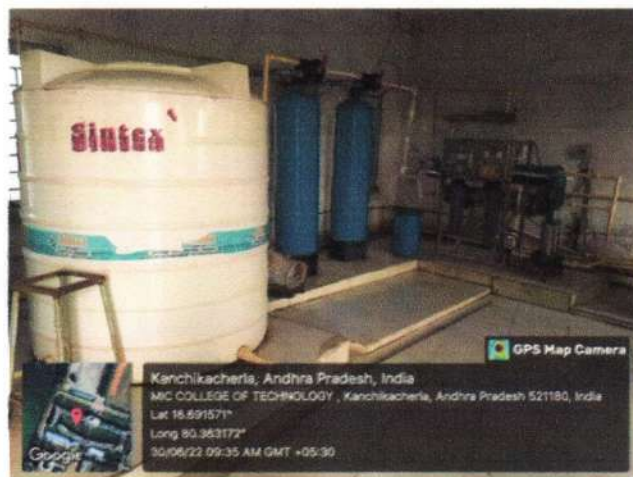
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V. MAINTINANCE OF WATER BODIES AND DISTRIBUTION SYSTEM

Maintenance of Water bodies and Distribution system in the campus: The water bodies are maintained regularly so as to provide sustainable, consistent, economic safe and adequate water to the campus.

The main objective of the maintenance is to provide diseases free environment. In the campus, the process of Chlorination will be carried out to kill bacteria, viruses and other microbes present in water.

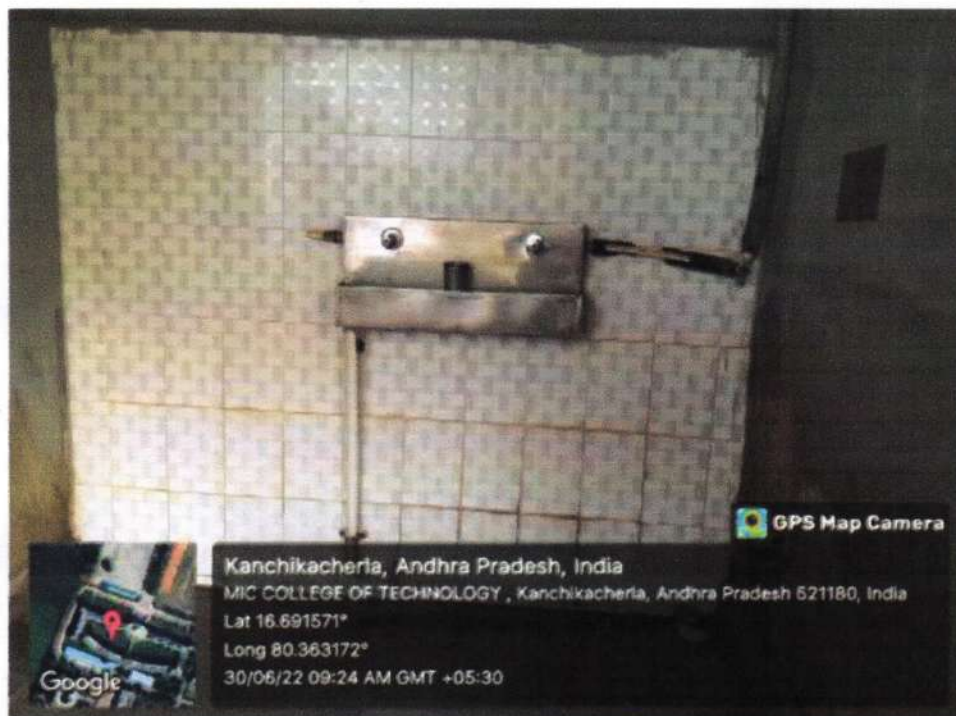
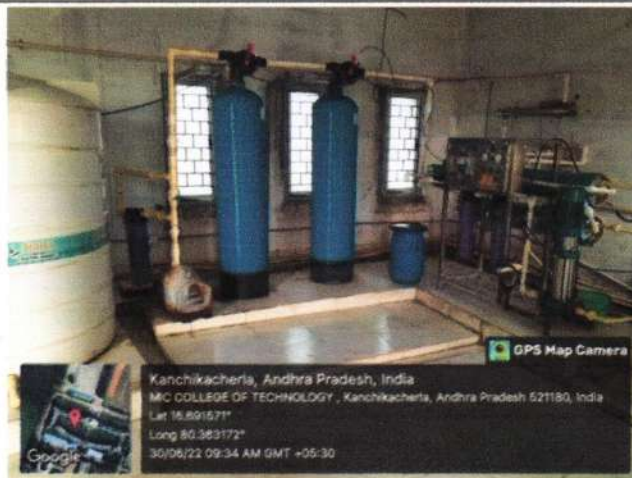


RO Water plant in the campus



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Water Distribution through taps in the campus