



VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN

An ISO 9001:2015 Certified Institute, Approved by AICTE, Affiliated to JNTU Kakinada, AP

Phone:0866-2844444,Email:vijayatechfw@gmail.comWebsite:www.vitw.edu.in

College Code: NP, Enikepadu, Vijayawada-521108.

7.1.4

WATER CONSERVATION FACILITIES AVAILABLE IN THE INSTITUTION

1.Rain water Harvesting:

The college has a bore well to meet the general needs of the institution, The institution encourages recycling or RO water and rain water harvesting. The water from the roof tops is collected through a well-connected pipe work. This arrangement is helpful in collecting water, which is then collected into pits, specially constructed for this purpose, The rain water stored in the pits, is used for. The maintenance of the green cover on the campus. In the hot summer, when water scarcity is more, the surrounding bore well get recharged and the ground water level increases





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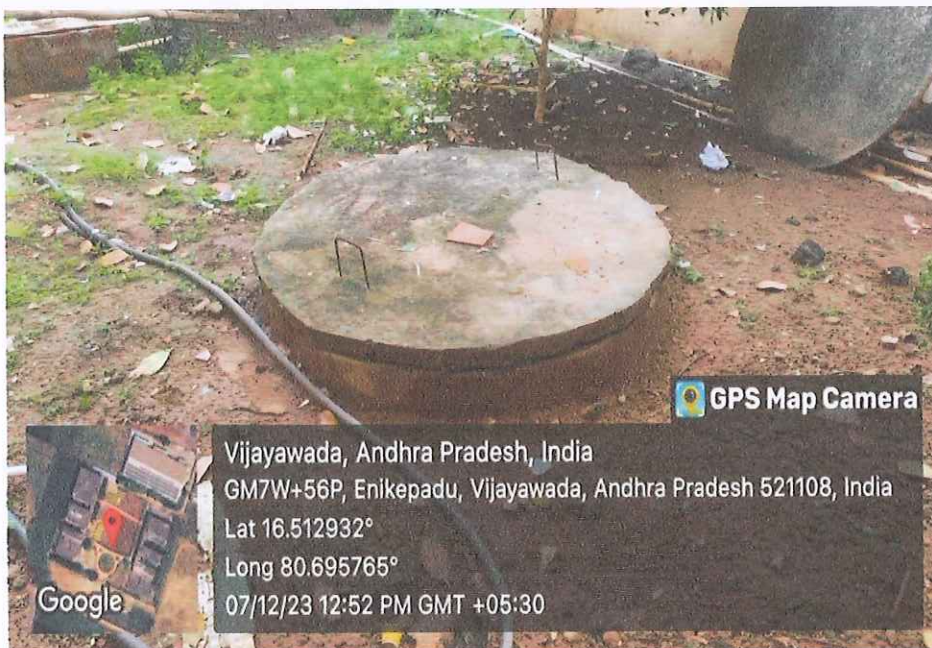
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2. Bore well/open well recharge:

Bore well or open well recharge is a method of harvesting rainwater to replenish the water level in bore wells and open wells. It's a water conservation technique that can help prevent groundwater contamination.





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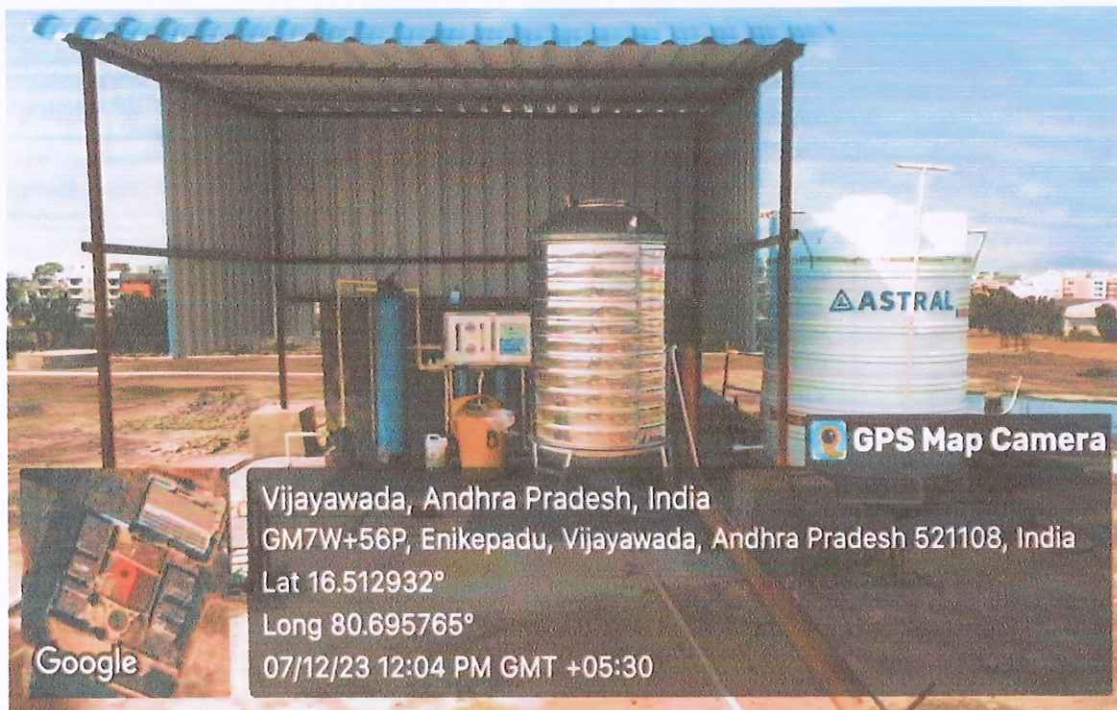
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3. Construction of tanks and bunds:

The construction of water tanks and bunds involves planning, designing, and building structures to store and manage water. These structures are used for irrigation, drinking water, flood control, and groundwater recharge.





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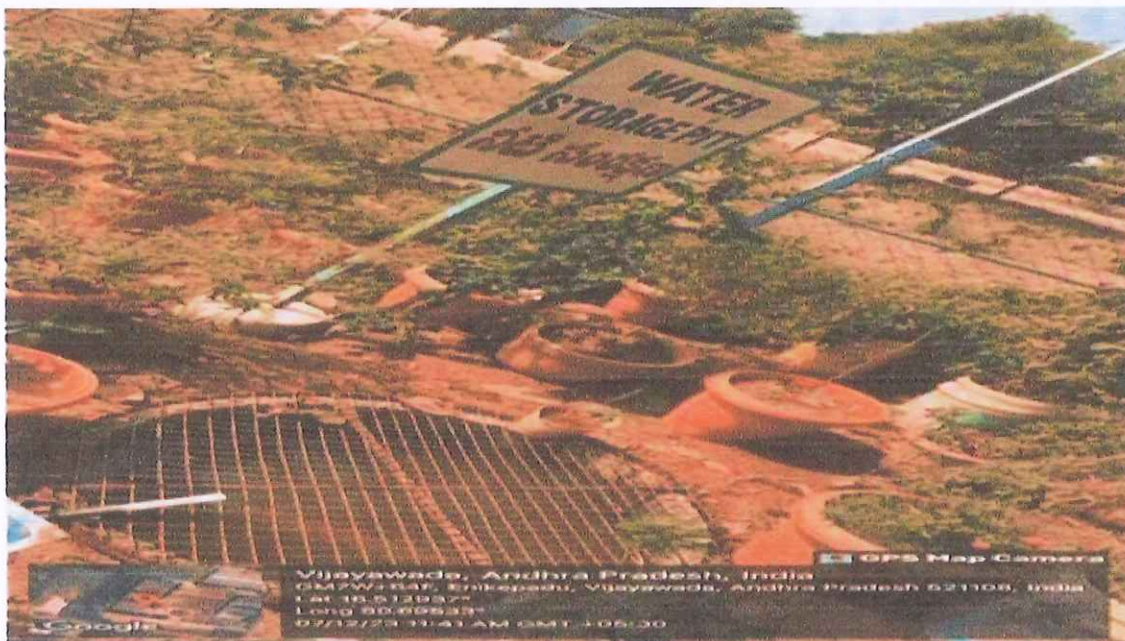
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4. Waste water recycling:

Wastewater recycling, also known as water reclamation, is the process of treating wastewater and reusing it. It's a resource-saving method that can help reduce water scarcity and environmental strain.

Uses :

- **Irrigation:** Recycled water can be used to water crops and green spaces.
- **Industrial processes:** Recycled water can be used in industrial applications.
- **Toilet flushing:** Recycled water can be used to flush toilets.
- **Groundwater recharge:** Recycled water can be used to replenish groundwater basins.





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5. Maintenance of water bodies and distribution system in the campus:

The maintenance of water bodies and distribution systems in a campus involves regular cleaning, inspection, and treatment to ensure a safe and adequate supply of water.

Maintenance:

- **Cleaning:** Clean the pump house and check for leaks in the rising main
- **Inspection:** Inspect the pump and rising main from the well annually
- **Treatment:** Chlorinate the water to kill bacteria, viruses, and other microbes
- **Education:** Educate and motivate people about the importance of water and how to use it



G. Chm
PRINCIPAL
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