

## **Criterion 7 – Institutional Values and Best Practices**

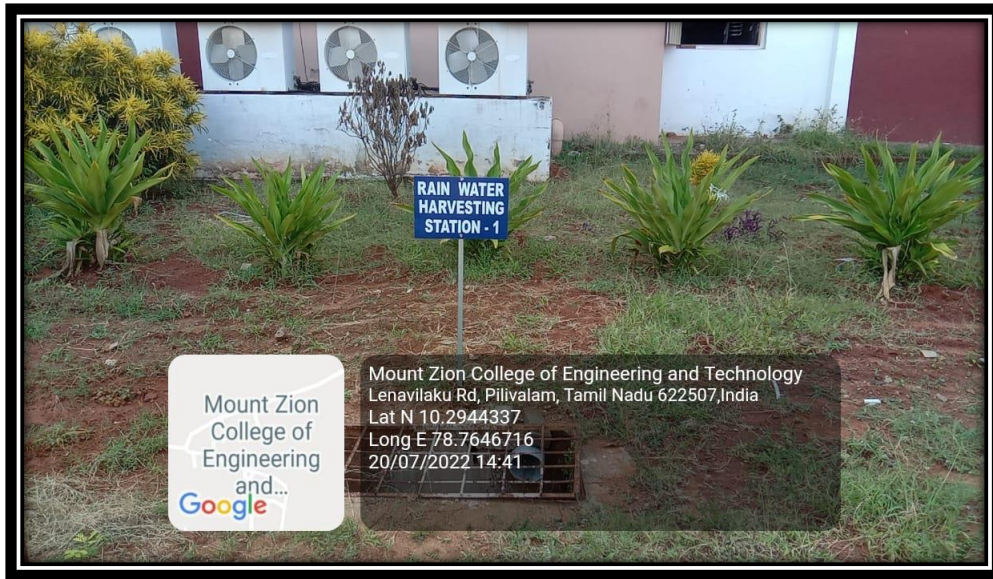
### **7.1 Institutional Values and Social Responsibilities**

#### **7.1.4 Water conservation facilities available in the Institution**

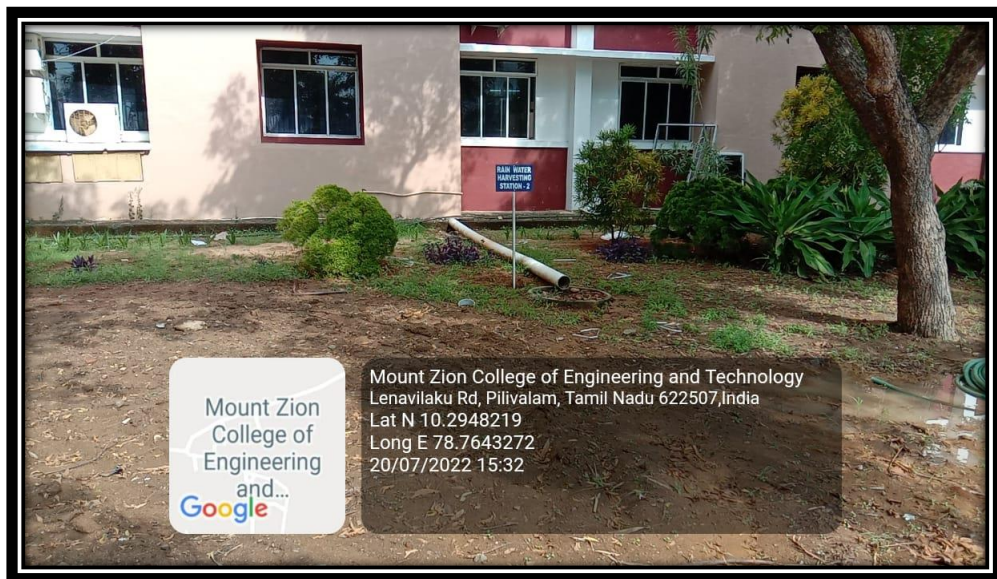
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## 1. Rain Water Harvesting

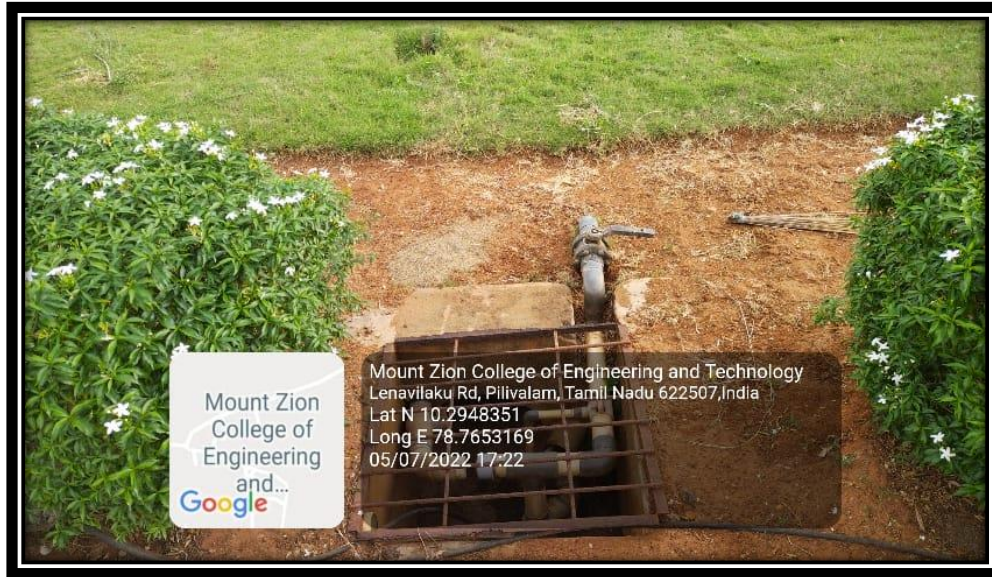
- The Institution has taken the initiative to avoid future water scarcity problems and recharge ground water by providing proper rain water harvesting arrangements on our college campus.
- Neatly laid roads connect the blocks with a network of lined stormwater drains. Most roof water from buildings and runoff water flows from the open areas. Roads follow the natural gradient and subsequently flow through the main canal. Two sumps are constructed to collect the rainwater.
- Rainwater from the terrace and porch of buildings is collected through drain pipes into rainwater harvesting pits provided in the ground.
- The rainwater harvesting pits are constructed with layers of pebbles, aggregates and sand to allow the water to infiltrate into the ground. This helps to maintain the groundwater level.
- The rainwater harvesting system reduces water demand inside the campus. The extension of the rainwater harvesting system reduces water scarcity during the summer season.
- The regulation of water from the bore well maintains the same water level. It helps to maintain the evergreen garden inside the campus at all seasons.
- A section of farming is developed inside the campus to sustain the daily vegetable needs of our hostel. The stored water is utilized for farming, green lawn and garden.



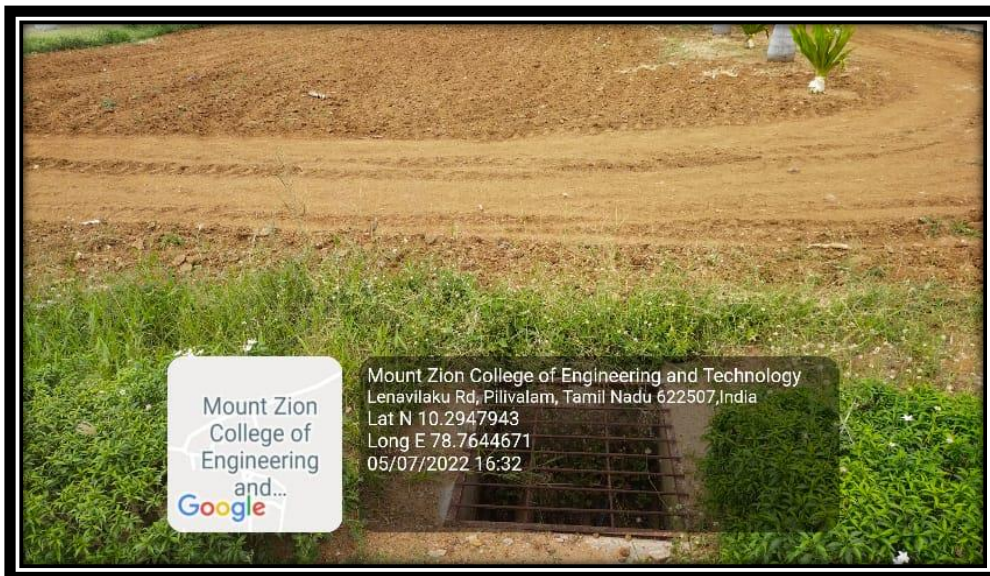
**Rainwater harvesting station 1**



**Rainwater harvesting station 2**



**Rainwater harvesting tank in the garden**



**Rainwater harvesting tank in the green garden**

## 2. Bore well recharge

The Institution has ten bore wells in various locations inside the campus to fulfil the water requirement for the Boy's hostel, Girl's hostel, Canteen and Main building. All bore wells are provided with rainwater recharge arrangements.



**Borewell recharge arrangement near the ground**



**Borewell recharge arrangement near the ground**



**Recharge well**

### 3. Construction of tanks and bunds

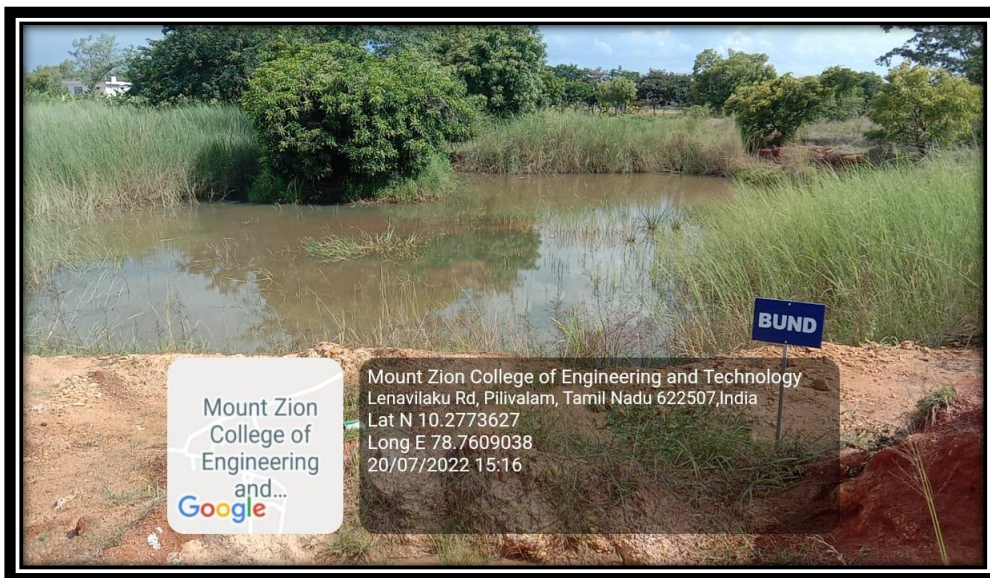
The college campus has many tanks in the Main building, Hostels, canteen and mess. The bore wells' water is the primary source for the entire premises.



**Construction of tank for water supply**



### Construction of tank for water supply



### Construction of bunds



**Construction of bunds**

#### 4. Waste water recycling

- Waste water is collected through separate pipeline from the various locations of the building.
- Its recycled in the waster water treatment plant which is located in the backside of girls hostel.

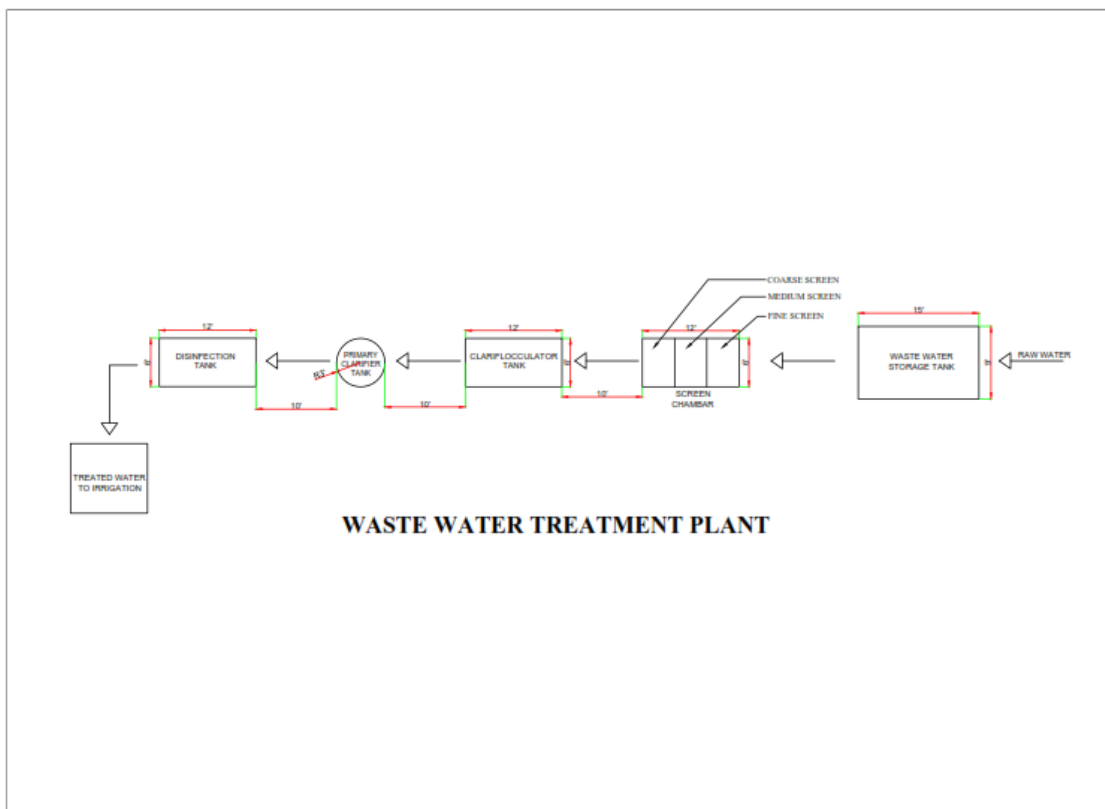


**Wastewater treatment plant**



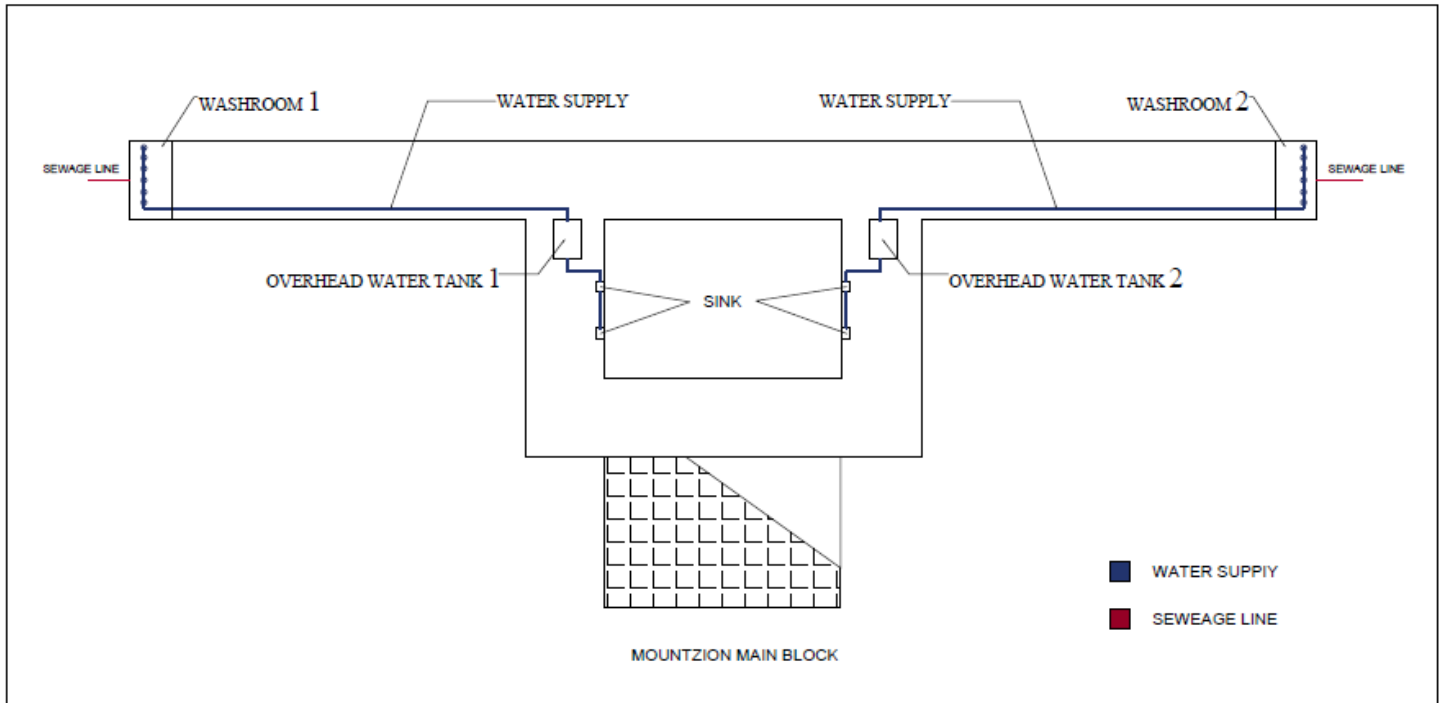


**Wastewater treatment plant**

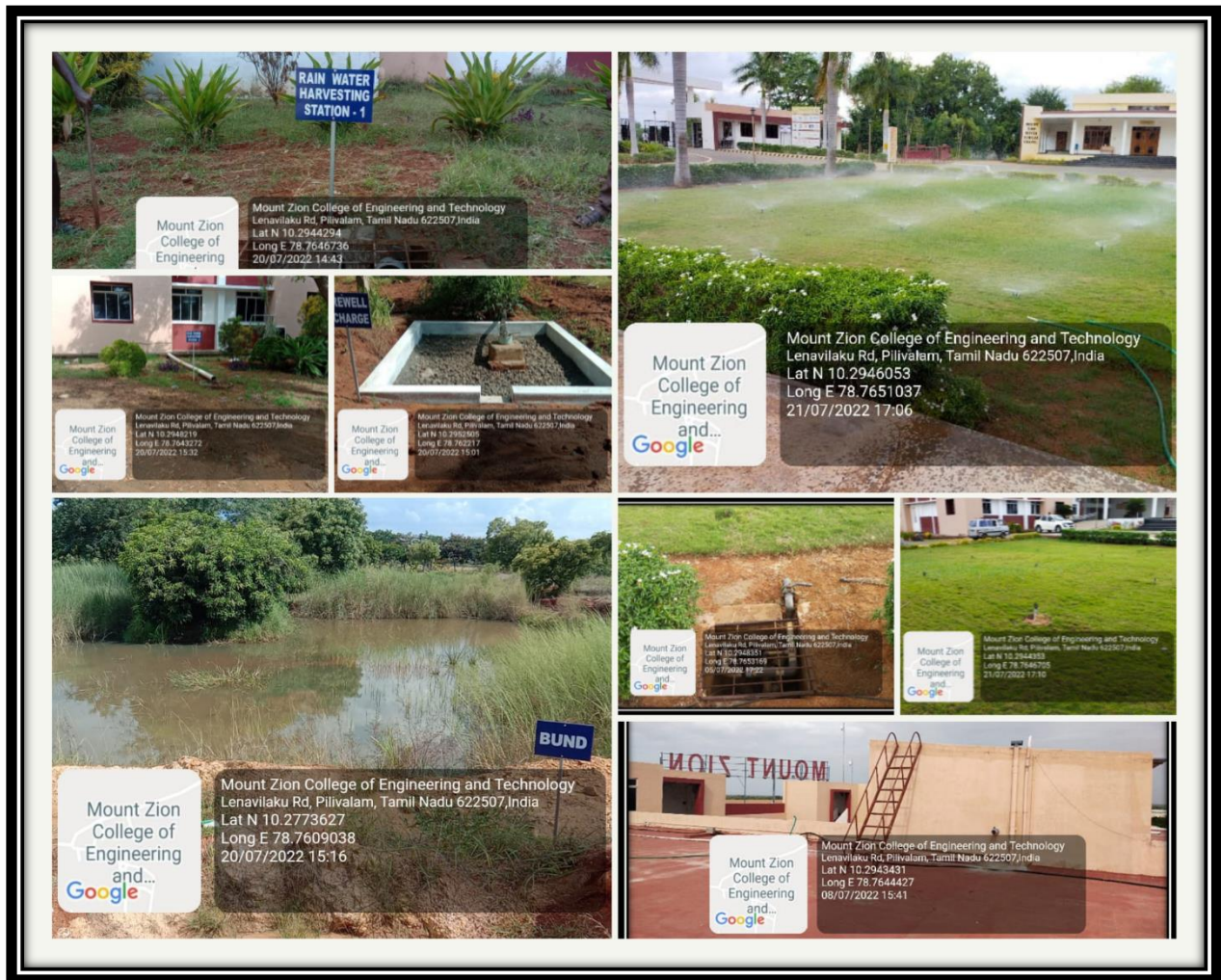


**Waste water treatment plant layout**

## 5. Maintenance of Water bodies and distribution systems on the campus



- Water distributions in the campus are well established with sufficient facilities.
- Rain water is one of the sources to recharge the ground water level. In our campus have eight rain water harvesting tanks available in various locations of the campus.
- Ground water from the overhead tank is distributed to all buildings inside the campus through taps.
- Bore well is a source to pump the water from ground to storage tanks located at various locations of the campus.
- Plumber and electrician available in 24x7 to maintain the distribution systems.
- Water is purified and desalinated in the RO plant and supplied for drinking purposes.
- Waste water from the all RO plant and AC's are used to gardening.



Collage for Water conservation facilities available in the Institution