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## SS INSTITUTE OF PHARMACY

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,

and The Directorate of Medical Education, Chennai.

#### C. WATER CONSERVATION

#### **Water Management System**

Our SS Institute of Pharmacy has an excellent water management plan that effectively addresses all our water needs, including those of both the ladies and gents hostels. This system is enhanced by rainwater harvesting and a pump. Groundwater is accessed through borewells and circulated to all overhead tanks. Rainwater harvesting is employed to recharge the soil and enhance groundwater levels, while surface storage of rainwater is a traditional technique used to maximize our resources.

Borewells are strategically placed in areas with abundant water on campus. Water is pumped to the pump from these borewells. Our maintenance team, including plumbers and civil maintenance staff, regularly monitors and maintains both the pump and borewells to ensure immediate action when necessary. The pump supplies water to overhead tanks.

The water from these tanks is treated by RO systems for drinking purposes, ensuring safe drinking water. A well-organized pipeline connects the pumps and overhead tanks to the water distribution points, effectively supporting the college's water needs.



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## Ro purifier:

In our SS INSTITUTE OF PHARMACY an **RO purifier** system used to the process of reverse osmosis to remove contaminants and impurities from water, making it safe for drinking and other uses.



Ro purifier with hot & cold water dispenser



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## **Water Storage Tanks**

When selecting a water storage tank for a college, several factors come into play to ensure it meets the needs of the institution. Colleges typically require substantial water storage for various purposes like drinking water, sanitation, laboratories



**Water Storage Tanks** 



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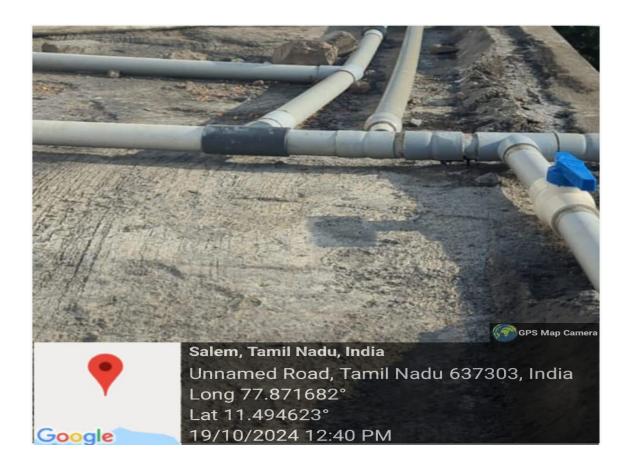
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### **Rainwater Harvesting**

SS Institute of Pharmacy employs a rainwater harvesting system to maintain groundwater supply. Rainwater is collected through the wide pipes in the campus, with collection pits constructed to meet industry standards. Rainfall is funneled through wide, shallow ditches that extends & promoting effective rainwater conservation. All open terraces feature rainwater collection pipes that lead to designated drains. Additionally, drainage from the entire building is directed to the lower floor via an external drain.





Rainwater Collected at rooftop

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## Rainwater passed through connection pipe



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Rainwater Stored at RWH pit



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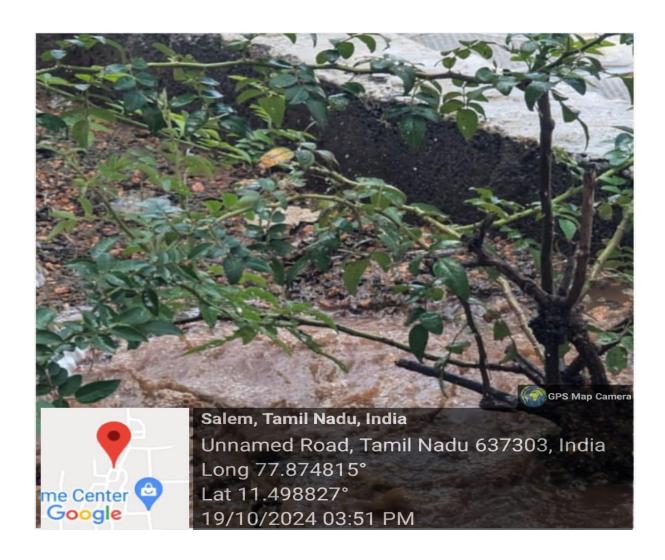
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Rainwater supply to garden



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