



Relevant information regarding the water Conservation facilities
available in the institution

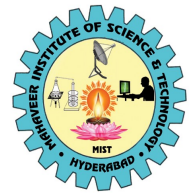
● **Rain Water Harvesting**

Mahaveer Institute of Science and Technology is located near Bandlaguda Post, Keshavgi, Hyderabad with a good landscaping. The college campus depends on ground water for all its needs. The rain water coming from roof tops and run off within the campus are collected– number of harvesting pits which are constructed at all feasible points in the campus to recharge the Ground water.

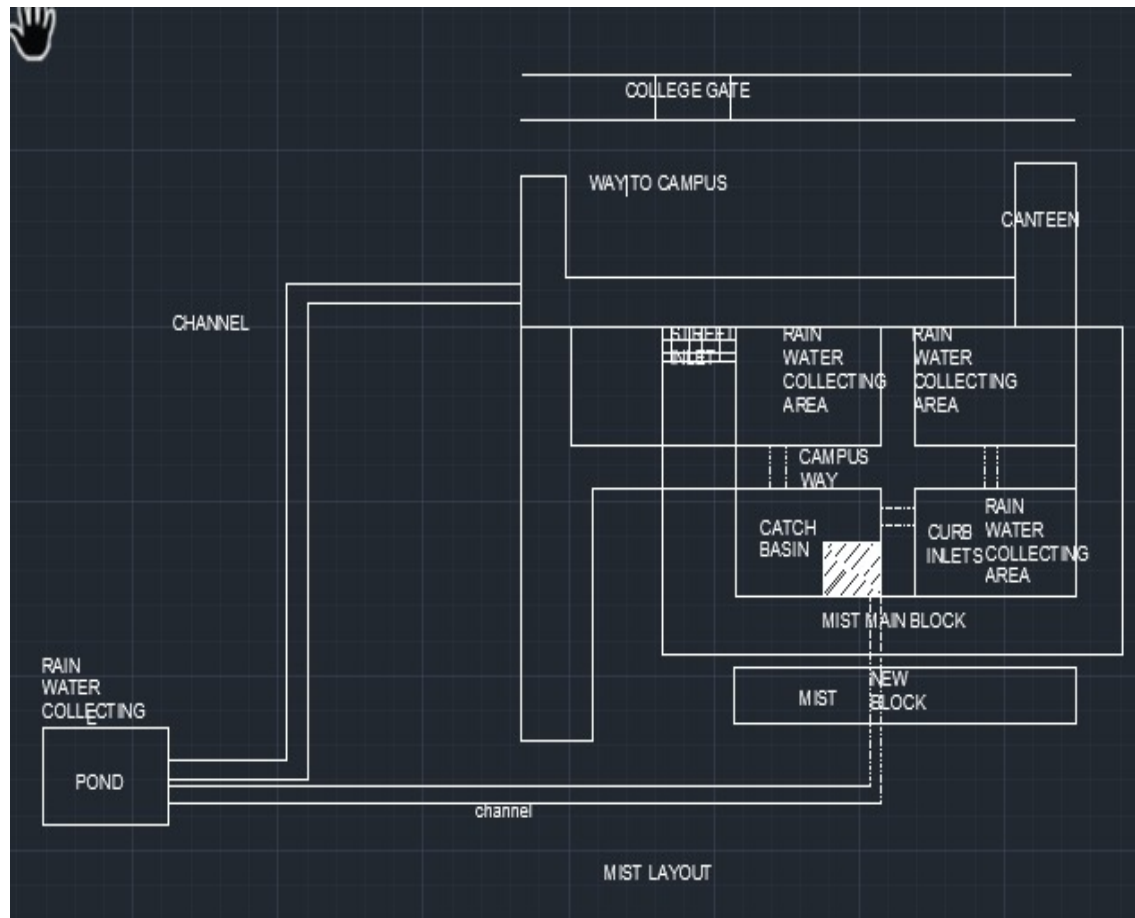
Owing to the minimal concrete floor construction in campus, rain water can sufficiently seep underground thereby maintaining the natural ground water table. Arrangements are made to collect the roof water during rainy season and are collected in the Rain water Harvesting Pits for ground water recharging which can further cater to the water requirements for sanitation.

Water collected in the catch basin gets drained through underground drainage pipelines and finally flow through the trenches and emptied in pond. Storm water gets percolate in to the ground and recharges the ground water table.

Gardens are watered using Pipe irrigation system to save water. The institute ensures that the water wastage is minimized at an optimal level and the leaky taps and pipes are under regular check and hence no loss of water is observed, neither by any leakages nor by over flow from overhead tanks.



Rain Water Harvesting System (Layout Diagram)



- **Borewell recharge**

The bore wells located inside the campus get replenished during the rainy seasons due to surface run-off and recharge pit is constructed near the borewell for recharging of ground water.

- **Construction of Tanks and Bunds**

Overhead tanks are constructed with a capacity of 16,000 Liters to cater the water needs of the students and faculty of the institution.



As the water crisis continues to become severe, there is a dire need of reform in water management system and revival of traditional systems. As a part of revival to traditional wisdom in this institute pond is dug to receive the rain water collected over the catch basin.


- **Waste water recycling**

As a part of water conservation measures, waste water coming out of RO System if used for watering the plants in the garden.

- **Maintenance of Water Distribution System in the Campus**

The ground water is pumped in to storage tanks located at different places in the campus. There are two over head cement tanks of 16000 liters capacity each and two over head Syntex tank of capacity 1000 liters in the main block.

RO System is installed to provide pure and safe drinking water to students and faculty. For this purpose purified water from RO system flows into the freezers that are provided in each floor and a supervisor is employed exclusively for the maintenance and repairs of water distribution system to ensure minimum wastage of water caused by running taps and leakages.


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