

Water Conservation

Water is one of the most essential natural resources for life on Earth. Rapid urbanization, population growth, and climate change have led to water scarcity in many parts of the world. Rainwater harvesting is a simple and effective technique to conserve water by collecting and storing rainwater for future use. This method helps reduce dependency on groundwater and municipal water supplies.

Rainwater harvesting is the process of collecting, filtering, storing, and using rainwater that falls on rooftops, open surfaces, or catchment areas. The collected water can be used for domestic, agricultural, and industrial purposes.

It's help to depletion of groundwater levels, increasing water demand, Irregular rainfall patterns, Water scarcity in urban and rural areas, Environmental conservation, to recharge groundwater, to reduce water bills, to prevent flooding and soil erosion, to ensure sustainable water management.

Methods of Rainwater Harvesting

- Rooftop Rainwater Harvesting
- Rainwater from rooftops is collected through pipes and stored in tanks or directed to recharge pits.
- surface Runoff Harvesting
- Rainwater from open areas like roads and fields is collected and stored in ponds or reservoirs.

Uses of Harvested Rainwater

- Drinking (after proper treatment)
- Cooking
- Washing and cleaning
- Gardening and irrigation
- Groundwater recharge

Rainwater harvesting is a simple and useful method to save water. If everyone starts collecting rainwater, we can reduce water shortage and protect our environment. Saving water today will help us in the future.

The survey was conducted in MIS International School by water Conservation Committee to find out how many Student know about rainwater harvesting, to know how many houses use rainwater harvesting, to understand student's views about saving water. Most of the student know about rainwater harvesting.

MIS International School installed rainwater harvesting systems. Student agree that it helps save water and recharge groundwater.

