



IV. WASTE WATER RECYCLING

Recycling of wastewater is done to treat the wastewater to a level suitable for various purposes. Water recycling is reusing treated waste water for beneficial purposes such as agricultural and landscape irrigation, industrial processes, toilet flushing and replenishing a ground water basin. The term water recycling is generally used synonymously with water reclamation and water reuse.

The waste water from the RO water plant is used to sprinkle in the lawn/open ground through sprinkler.

Necessity of wastewater recycling:

- Interminable population growth, dwindling water resources and scarcity of water in many part of the world which is often polluted and high cost of energy required for treating and distribution of water have force us to search for innovative sources of water supply.
- The unbridled exploitation of ground water for irrigation, drinking and industrial purposes has caused the water table to recede by two meters each year.
- The over exploitation of limited resources has caused not only a perceptible decline in the waste water table but has also resulted in concentration of pollutants on ground, which otherwise would have flowed away.
- Use of highly treated sewage effluent discharge into the environment is receiving more attention as the reliable source of water.

WATER SPRINKLER



Waste water from RO plant through sprinkler