

## Purpose

- ❖ Useful for getting distilled water.

## Features

- ❖ Shortage of drinkable water in arid zone.
- ❖ Fetching potable water from distant places.
- ❖ Highly saline under ground water containing fluorides and nitrate.
- ❖ Desalination of saline/brackish water a better choice.
- ❖ Conventional water desalination plants are energy-intensive and require electric power or fossil fuel for operation.
- ❖ Output not affected in different seasons.
- ❖ Multi basin and tilting arrangements for maximum output.

## Capacity and approx. cost per unit

- ❖ 7-8 litre distilled water per day.
- ❖ Rs. 9000/-

## Economics

- ❖ **Benefit : cost ratio (BCR):** 2.46
- ❖ **Payback period (PBP) (years):** 0.65

