# Rain Water Harvesting

## A Guide to Rain Water Harvesting ...

## Lets Save every drop !

## Advantages of Rainwater Harvesting

- Rise in groundwater levels
- Reduces flood hazards
- Solution to drinking water crisis
- Stops water-logging
- No land is wasted for storage
- Storing water under ground is environmentally friendly
- Provides water throughout the year !

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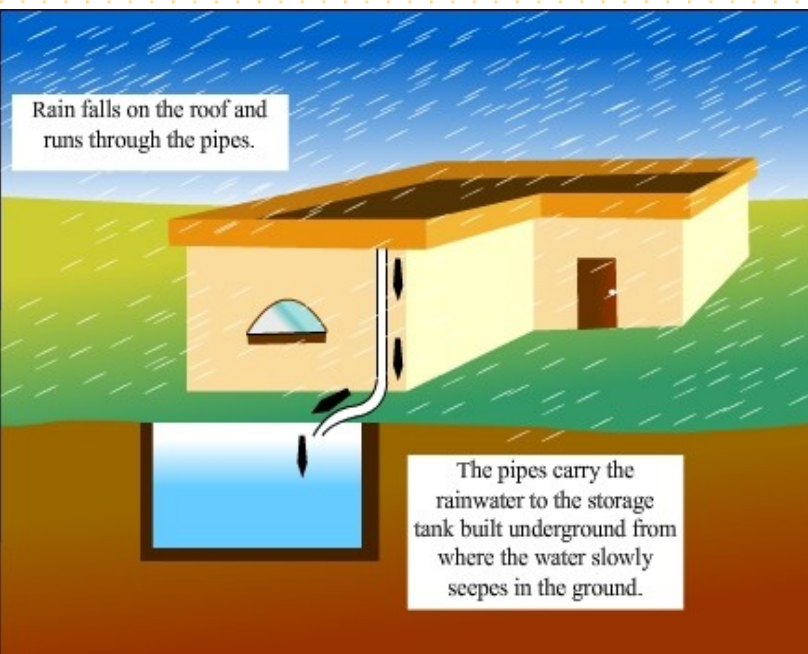Email: theneerfoundation@gmail.com

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## NEER FOUNDATION

Rain water is the purest form of water available on the earth. Rainwater Harvesting is the process of gathering and storing rain drops and preventing run-off, evaporation and seepage for its efficient utilization and conservation.

Rainwater Harvesting prevents rainwater from getting wasted as run-off through conserving it for recharge of groundwater or for storage in tanks.

## Model of Rain-water Harvesting



Rain falls on the roof and runs through the pipes.

The pipes carry the rainwater to the storage tank built underground from where the water slowly seepes in the ground.

**The amount of water harvested approximately:**

Terrace area x Amount of Rainfall

For exp - 100sqm x 600mm = 60 Cu.M.

That is 60,000 liters !!

But some of the water is lost in evaporation & absorption, so a **run-off coefficient** has to be considered, For exp— **0.9**, so 60,000 x 0.9 = 54,000 liters of rainwater saved!

## How much will it cost?
It varies, depending on the area of your roof and other
structures that will be used to harvest rain. But rainwater harvesting does not require major construction work. So the expenses are not high.

## Who will it benefit?
'You' are the one who will benefit. Our groundwater will be recharged as the water level will rise. We ourselves will benefit us. Through recharging our groundwater ensuring there is enough for today & tomorrow!

## Who will build the rainwater harvesting?
You need someone who understands rainwater harvesting. It is simple but it still needs someone who has experience in the principles of rainwater harvesting. A skilled mason or a plumber can do the job for you in a few day's time.