



- a Roof catchment :> The voof of the house is used as the catchment for collecting vain 4,0. The voods for rain 4,0 harvesting are made of Iron sheet, as bestos sheet, tiles or concrete materials.
- [b] butters " = are the channels fixed to the edges of roof all around to collect of transport the viain H2 o from the oroal. hutters can be made in semi-circular & vectangular shape with cement Pipe, puc Pipes, bamboos etc.
- [Pirst flush Pipe: > Dust of dist are collected on the moof during non enainy periods. A first Flush system arrangement is made to avoid the entering of unwanted materials into the filter media of storage tank. This is a simple manually operated aurrangement or semi-automatic system with a value below the To jonction.
- (I) Filter unit; 91 is a container or chamber filled with filter media such as coarse sand, charcoul, coconulfiber, pebbles y gravelo to Remove dust of dirt from Ho that enters the tank. - It is placed over the storage tank or separately.
- E Storage Tank => 9t is used to store the hoo that is collected from rouf
 through filter. It can be placed either above or below the ground depending upon the availability of space. Tresc Tanks are

Small Scale M20 Storage Tank ego plastic, buckets , jerry cans, cement or ceramic jais, drums. Large Scale water storage tank.
es extindrical/vectangular/square in-shape
with la--with ferro cementor plain coment concrete may be used.

- The tank is provided with a cover on the top to avoid the contamination of H20 grown external sources. Disinfection is carried out at original intervals.
- Benefits of rain the Harvesting;>
- 1) Increase water Level
- 2) Helps in improving 420 quality of ground 450
- 3) Improves overall floral system
- 4) Reduces the loss of 1/20 from top Layer.
- 5) minimizes the flooding on sounds.