

## Methods of Rain Water Harvesting

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### 1-In-situ Rain Water Harvesting

In situ rainwater harvesting systems are based on changing soil and water management techniques, with the aim to improve infiltration, water holding capacity and fertility of the soil, and to counter soil erosion. It is used in irrigation.



Contour Farming



Farm Ponds



Tie Ridging

## 2-Direct Surface run off harvesting

In urban area rainwater flows away as surface runoff. This runoff could be caught and used for recharging aquifers by adopting appropriate methods.



Roof water collection



Diversion Bunds

### **3- Stream flow/ run off harvesting**

Stream flow harvesting involves creation of small check dams in natural streams. By creating artificial mini storages, this method helps in replenishing the groundwater levels in adjoining areas.





Check Dams

#### 4-Re-use of abandoned dug wells

This method is suitable in areas having abandoned dug wells. These wells can give easy access to the ground water table and its replenishment.



Abandoned Dug Well fitted with RWH Mechanism

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**Action Taken**