

## 1. Rain water harvesting pit



Rain water from the roof top of the building falls down from the pipes that are provided around the building to the ground. This water is preserved by collecting in the canals dug for the purpose the canals lead to the rain water harvesting dug 3 feet deep into the ground. The pit is filled with about one foot stone to filter the rain water. The clear water is sent into the ground. Thus the ground water gets recharged. There are two such pits on either side of the building.





**Alair, Telangana, India**  
Aleru to Zilalpuram, Alair, Telangana 508101, India  
Lat N 17° 38' 1.4028"  
Long E 79° 2' 19.2156"  
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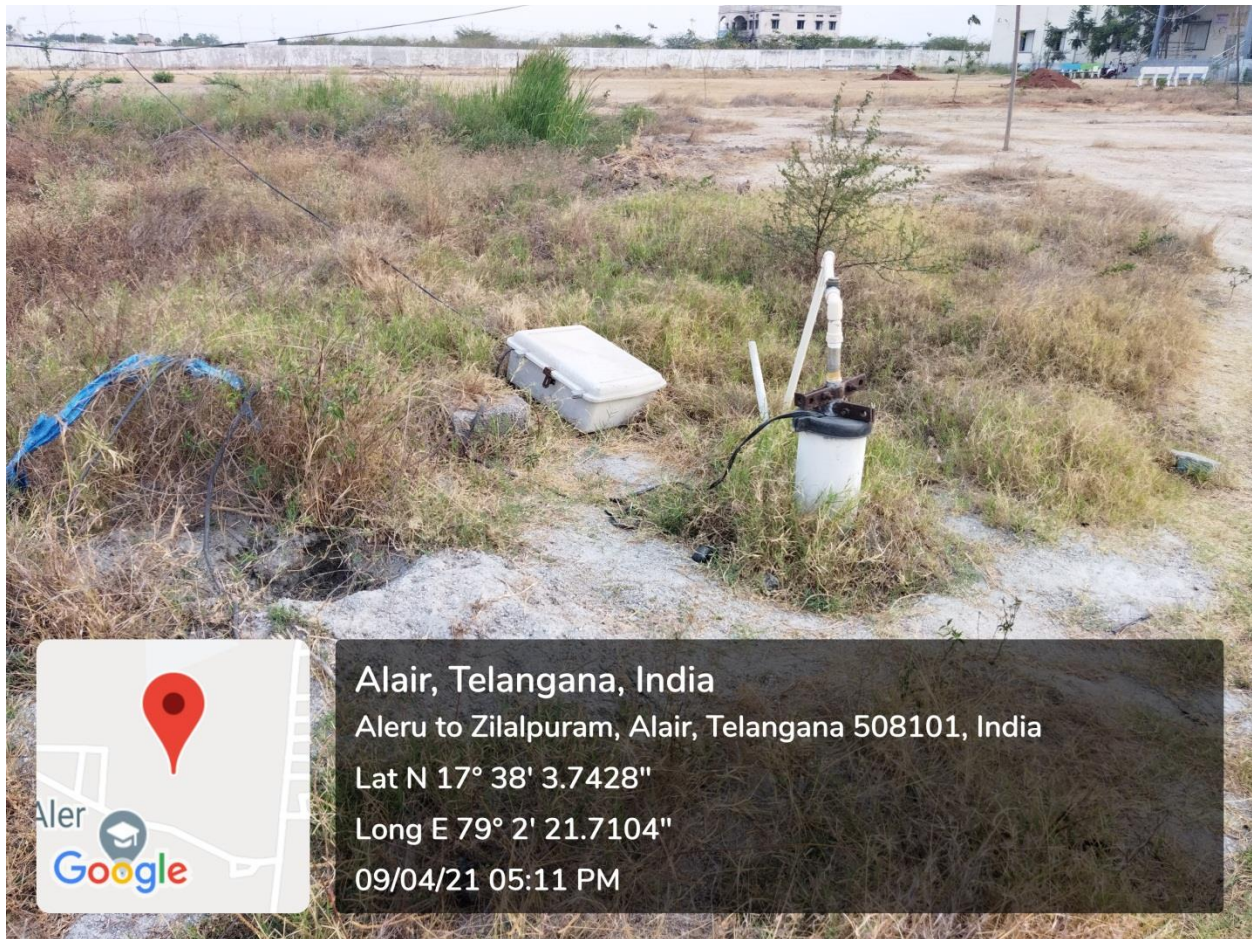
PVC pipes around the building to drain out the rain water



## 2. Bore well recharge

A big and wide pit is dug near the bore well, which is relatively at a lower ground level, the rain water thus collected is made to flow to the bore well through a narrow canal to the bore well.





Further, the water that overflows from the overhead tank is made to flow through a narrow canal that meets the rain water harvesting pit on the other side. Few trees are planted on either side of the canal.

### 3. **Waste water recycling**

The water coming from the sinks are redirected to flow to the plants which are planted in the relatively low lying area, thus making optimum use of the waste water. Care is taken not to connect the chemistry lab sink to this project, as it might be hazardous to the plants.



Alair, Telangana, India

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