

PSC & KVSC GOVERNMENT COLLEGE
NANDYAL-518502



RAIN WATER
HARVESTING



Rain Water Harvesting Unit in College Campus

Introduction:

Water scarcity is a serious problem throughout the world for both urban & rural community. Urbanization, industrial development, increase in agricultural field and production have resulted in overexploitation of groundwater and surface water resources. Its resultant is deterioration in water quality. The conventional water sources namely wells, rivers and reservoirs, etc. are inadequate to fulfill water demand due to unbalanced rainfall, while the rainwater harvesting system investigates a new water source. Rainwater harvesting is the simple process or technology used to conserve rainwater by collecting, storing, conveying and purifying rainwater that runs off from rooftops, parks, roads, open grounds, etc.

Practice:

As part of the Institute's distinctiveness, PSC & KVSC Government College has materialized a Rain Water Harvesting Project and the said plant has been established within the college compound. Rain water harvesting is actually a collection of raindrops. Amid the pressing problem of the scarcity of fresh water, the rainwater harvesting has proved to be a fruitful scientific practice. The roof runoff water is allowed infiltrating in the pit for the recharging purpose which has the total storage capacity of up to 5000 litres. The conserved rain water serves as a secondary source of water. The rainwater that flows off in the college area is collected and stored to recharge the groundwater level.

Outcome:

In the region because of less rainfall there is scarcity of water in summer. This practice has solved the problem of deficiency of ground water and the level of ground water has increased.



A Pit dug for Rain Water Harvesting Unit



Laying layers for Rain Water Harvesting Unit



Top of Rain Water Harvesting Unit

