Extracts from the IOC Prakriti (Jan '22 Edition) - edition attached too

Bountiful Rains – Reduce Impact of "Urban Flooding" and Meet Water Needs of Thirsty Summers





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Nature gives us abundant rain fall. By utilizing a fraction of the rainwater, we can easily meet the water requirement of the Planet Earth, not only for us.....for the future generations too.

In the last rainy season, the city of Chennai received record rainfall of around 2200 mm. Enough to meet water requirements of the city for more than 4 years.

The city infrastructure, the so-called concrete jungles, the roads, paved surfaces etc. prevent the rainwater to percolate naturally into the ground, depleting ground water. Resulting in flooding at many parts of the city. The storm water drains unable to drain the water flow ..... roads becoming the drains. Water needs not met in the summers too.

Can we harness this bountiful rain to meet our water needs & reduce the flooding owes of the city? People joining hands & implementation of very cost effective RWH can resolve. Our theme - "Catch the Rain" where it falls, when it falls. The basic aim - "No or only limited water will flow out of the compound ".

Let us illustrate a success model - IndianOil Bhavan, SRO, Chennai. During the summer of 2021, we have implemented RWH at our IndianOil Bhavan, SRO, Chennai by making provision of a Borewell. The outcome was during the record rain fall at Chennai, the plot could retain maximum rain fall within the premises, resulting in minimum or nil water logging. The borewell water was utilized after testing, led to elimination of buying of water-tankers (2 tankers/ Day) resulting in saving of Rs.1.75 lakhs/ month.



An illustration of the concept of "Rain Harvesting Storm water Drains" (multiple graded gravel pits for distributed water recharge, within the existing storm water drains). Rainwater recharge is greater than consumption.

To meet the water needs & relief from flooding: Strive for harvesting every drop of rainwater falling in our plots…"Catch the Rain" - by effective RWH. Minimise water flow from plot to outside areas – avoid roads becoming drains.

During Rains - Nov / Dec 2021:





Surrounding areas – waterlogged



