



Rayat Shikshan Sanstha's
Shri Sadguru Gangageer Maharaj Science, Gautam
Arts and Sanjivani Commerce College, Kopargaon,
Dist. Ahmednagar



REPORT ON WATER CONSERVATION FACILITIES


Principal
S.S.G.M. College
Kopargaon

A Brief Report on Water Conservation Facilities

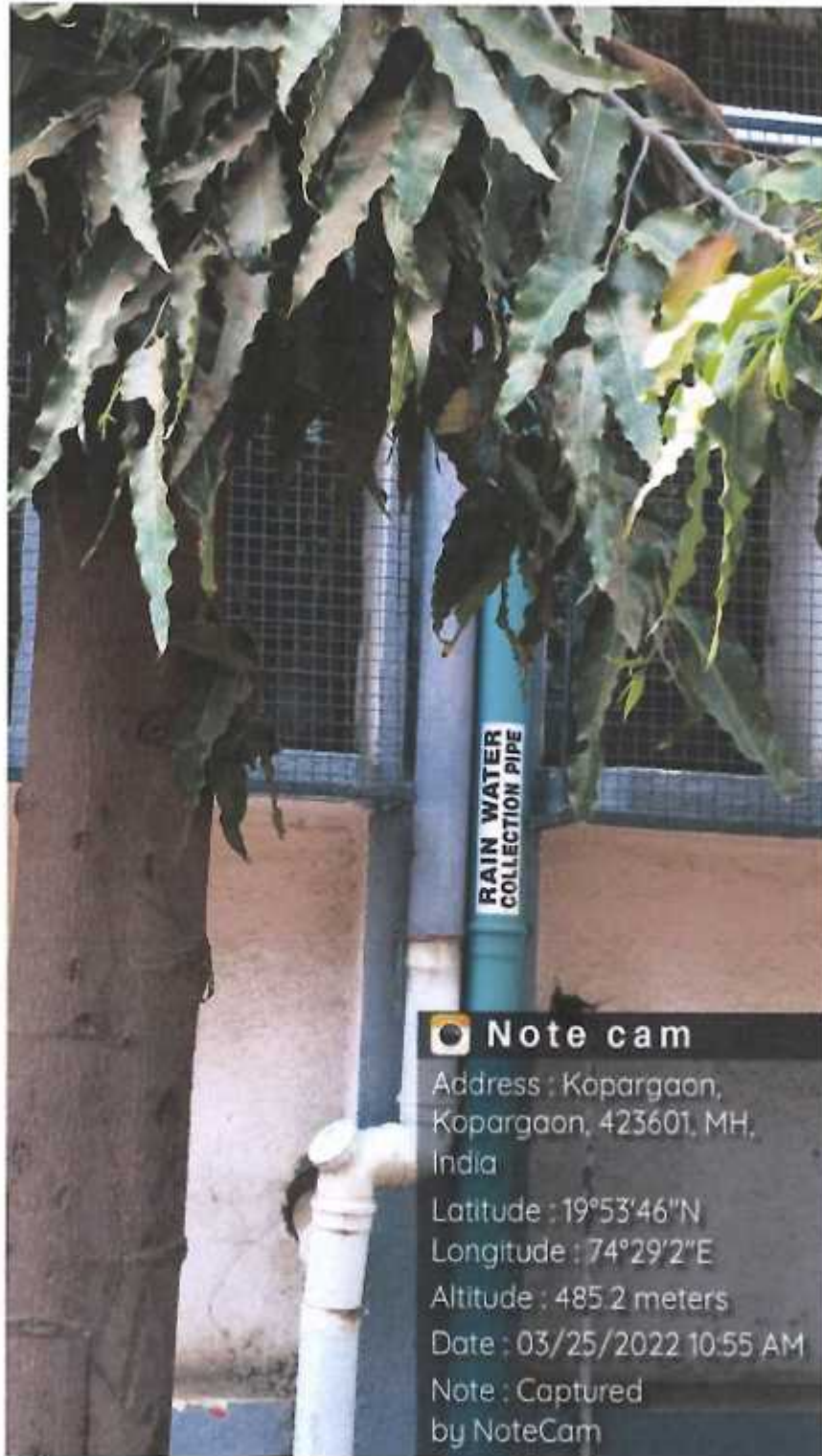
Rain water harvesting and Borewell Recharge

Kopargaon town is one of the Taluka in Ahmednagar District. The climate of Ahmednagar district is generally hot and dry. As this region comes under shadow zone, it faces the problems of low rainfall. Ahmednagar district is mainly known as a drought prone area in Maharashtra state. It has an uneven rainfall and the distribution of rainfall is uneven. The average rainfall in Kopargaon Tehsil is 440.2 mm, so it's necessary to use maximum rainwater. The frequent conditions of scarcity of water compels for best management of available water. There lies a great opportunity to harvest rainwater to meet a potential scarcity and avoid destruction of the normal groundwater level.

In our campus the rainwater harvesting is carried out at three different places. The total roof top area used to collect the rainwater is 2138.88 Sq. M. The water collected from these areas calculated as follows:

$$\begin{aligned} & \text{Total roof top area} \times \text{Average rain fall} \\ & = 2138.88 \text{ Sq. M.} \times 0.44 \text{ m} \\ & = 941.11 \text{ m}^3 \text{ (i.e. } 941.11 \times 1000 = 9,41,110 \text{ Litres)} \end{aligned}$$


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Rain Water Collection from Roof-top



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- **Bore well Recharge:**



Bore well Recharge: work in progress



Bore well Recharge Facility

Initiative to reduce waste water generation:



Display boards showing instruction about water saving


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