

Hydrological Investigation Ground Water Quality and its Aquifer Parameters

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Abstract: *Water is the most critical component of life support system. India shares about 16% of the global population but it has only 4% of the water resources. The national water policy gives priority to drinking water followed by agriculture, industry and power. The single most important task before the country in the field of India's water resource management is to pay special attention to rainwater conservation, especially which falls on our vast rain-fed lands but most of which flows away from it. In Maharashtra every year due to uneven rain fall many of the region face drought problem. Paani foundation invested a year in research, understanding the problem and possible solutions. The Satyamev Jayate crew started a non-profit organization well known as Paani Foundation, which would spread knowledge of watershed management and groundwater replenishment. They learned about water conservation principles and watershed management structures like contour trenches, earthen dams, and soak pits, then went back to their villages and lead the work, which involved all the villagers pitching in volunteer (shramdaan) work. They executed their plans in the months before the monsoon, with their success measured after the rains. In this project the study on efforts taken by paani foundation due to scarcity of water by on site investigation.*

Keywords: Key words groundwater quality; fluoride; health; groundwater management; Andhra Pradesh, India.

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