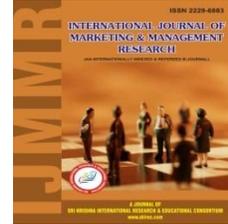




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A STUDY ON IMPLEMENTATION OF RAINWATER HARVESTING IN PUNE CITY

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ABSTRACT

Water is the most common or major substance on earth, covering more than 70% of the planet's surface. The per capita availability of water at the national level has reduced from about 5,177 m³ in the year 1951 to the present level of 1,869 m³. For improving per capita water availability in the country, replenishment of ground water resources is a necessity which can be done very effectively through rain water harvesting. The rain water harvesting may be defined as the technique of collection and storage of rain water at surface or in sub-surface aquifer before it is lost as surface run off.

Rain water harvesting means to make optimum use of rain water at the place where it falls i.e. conserve it and not allow draining away and causing floods elsewhere. Surface water and ground water are two major sources of water. Due to over population and higher usage levels of water in urban areas, water supply agencies are unable to cope up demand from surface sources like dams, reservoirs, rivers etc.

The purpose of the study is to measure and increase the awareness regarding the rain water harvesting & is it really need to proper utilization of rain water for the future. This study is mainly focus on the problems faced by citizens regarding water supply. The present research paper concentrates on prospectus of rain water harvesting for future and to suggest framework for rainwater harvesting in society level for better utilization of rain water.

KEYWORDS: *Rainwater Harvesting, Prospectus, Reservoirs, Conservation etc.*