

76. Study of Water Use Appraisal and Capacity Utilization of Rainwater Harvesting in D-I Zone Industrial Units of Pimpri Chinchwad MIDC, Maharashtra, India

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Abstract

In India all major cities prominently sprawling with residential zones, industrial zones and agricultural zone. Mainly urban sprawl is faster with development of new residential and industrial zones. For this smooth development fundamental necessity is having sufficient water.

The present study area is situated in MIDC Pimpri Chinchwad, Haveli tehsil Pune district. The primary water supply for tehsil is from Pawana Dam in Mawal tehsil of Pune district.

The speed of development and urbanization along with establishment of MIDC is faster than the actual planning and thus the requirement of required water is insufficiently fulfilled and need of more water supply is required for smooth development in day to day process.

At present situation effective water management is inevitable part of urban development thus adequate and sufficient water supply is necessary for urban development and it is only possible with help of rainwater harvesting.

The present situation of water use appraisal is crystal clearly explain that how it is unplanned in industrial area and capacity utilization of rainwater harvesting will elaborate it more in details in present research work.

Keywords: Industrial Water Management, Industrial Water use and need, Rainwater Harvesting.

1. Introduction

The day by day water requirement of industry, agriculture and domestic uses is increasing as they are growing rapidly. This is putting tremendous pressure on the local population whose water is being snatched to feed urban and industrial growth.

