

# **MAPPING OF WATER DISTRIBUTION NETWORK THROUGH GEOGRAPHICAL INFORMATION SYSTEM (GIS)**

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## **ABSTRACT**

Design of surface water supply system concerns the locations and capacities of diversion works and storage, as well as the operations of these to meet multiple purposes and objectives. Therefore, in order to ensure the availability of sufficient quantity of good quality of water, it becomes almost imperative in a modern society, to plan and build suitable water supply schemes, which may provide potable water to the various section of the community in accordance with their demand and requirements.

Due to the advent of Geographical Information Systems (GIS), it possible to visualize, and model the entire cycle of water supply network from source to household .There has been a significant interest in the application of GIS to address the special need of water distribution department during the past several years.

This paper describes GIS has created a technology with considerable potential for achieving dramatic gains in efficiency and productivity for innovative Water Management application.

**KEYWORDS:** Geographical Information System (GIS), Water, Water Management