

Department : Civil

Year : 2013-2014

Group No: 15

Guided By

**PROF. DARSHANA
D. PATEL**

SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA

Project Title

“PROBLEM IN WATER SUPPLY SYSTEM- A CASE STUDY AT VISNAGAR CITY”

Abstract:

Next to the air, the other important requirement for human life to exist is water. Water supply system has a tremendous influence on daily life and is essential to modern society. A reliable supply of water is necessary to protect people's health, safety, and quality of life. Like many other cities in the world, visnagar faces the problem of irregular and inadequate water supply. The whole water supply of the visnagar city is provided by Nagar Palika. It has been observed that lack of attention to the important aspect of Management, Operation & Maintenance of water supply system often leads to deterioration of the useful life of the systems necessitating premature replacement of many system components. As such, even after creating such assets by investing millions of rupees, they are unable to provide the services effectively to the community for which they have been constructed, as they remain defunct or underutilized most of the time. To overcome problems in management system, a record sheet is made which can be kept as a field records and software is provided for permanent record data base. During the survey it had found total of 3 lakes which are not in use now due to its improper management, so if these lakes are maintain properly as per current situations, it not only solve the water shortage problems but also prevent the flood. Techniques are provided for finding leaks in pipelines and Repair of that. Design of groundwater reservoir is given for storage of rainwater which can be utilized during scarcity of water for various purpose. This report is intended primarily for the managers and technician in-charge of the operation and maintenance of the drinking water supply system of visnagar Nagar Palika .The procedures mentioned in the report are intended to be guidelines for ensuring effective Operation & Maintenance of the water supply system.

Prepared By:

Sr. No.	Student Name	Enrollment No
1	PATEL HIREN P.	100780106044
2	JANI ARCHIT.H.	100780106046
3	PATEL HARDIK H.	100780106016
4	PATEL DHRUV K.	100780106056

