

# **WATER SUPPLY ENGINEERING**

**Subject Code: 66453**

**Conducted By: Bikash Debnath  
Jr. Instructor (Civil Technology)**

# Chapter : 1

## Water Supply Engineering

- A branch of civil engineering concerned with the development of sources of supply, transmission, distribution, and treatment of water. The term is used most frequently in regard to municipal water works, but applies also to water systems for industry, irrigation, and other purposes.

# Importance of Water Supply

- **The city or town should be given the benefit of water supply scheme, wherever possible. Any water supply project grants the following advantages:**
- The growth of new industries for various pipe appurtenances such as air valves, etc. takes place in the locality granting employment opportunities.
- The industries which require pure water for their working are saved from the expenditure of installing their own water purification plant.
- The installation and maintenance of the water supply scheme grant opportunities of employment to the local people.
- The public in general gets treated reliable water for consumption and other uses.
- The sanitation of the area is considerably improved by the adequate water supply
- There are less chances of water borne diseases to occur resulting in saving of human lives and working hours.
- The available water in the locality is used in the best possible manner and its misuse and wastage are avoided to a considerable extent.