

## **Water Losses and Economical Savings of Few Industries at Visakhapatnam**

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### **ABSTRACT**

Water audit identifies water uses such as sanitation, irrigation, heating and cooling process and maintenance of the distribution system. Unaccountable losses are investigated and areas are identified using water auditing, in which water use efficiency can be improved using alternative technologies or practices. A comprehensive audit can give the utility and detailed profile of the distribution system and water users, allowing appropriate management of water resources and improved reliability. It is an important step towards water conservation and linked with a leak detection plan that can save the utility of a significant amount of fresh water and time. Therefore water supply balance studies are an important part of water auditing. The water supply balance studies were carried out for industries like Visakha Steel Plant (VSP), Visakha Port Trust (VPT) and Visakha Dairy, which are situated in around Visakhapatnam city. The savings with reference to water quantity and money were estimated for organizations Viz. VSP, VPT, Visakha Dairy, Bharat Heavy Plated and Vessels, Hindustan Shipyard Limited, and the East Coast railways, Visakhapatnam.