

“WATER AUDITING OF YAGACHI DAM”

PROJECT REPORT

(Sanctioned by KSCST-35S0769)

*In partial fulfillment of the requirements for the
award of the degree of*

**“BACHELOR OF ENGINEERING
IN
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ABSTRACT

Water audit is the most effective tool for water management. Water audit can tell you how efficiently your system is operating and where some of your losses may be occurring.

The world's water resources are finite but exist on a planet with a constantly growing population. The development of water resources to man's benefit has been a fundamental factor in the evolution of civilizations throughout history. But, as our populations continue to grow and shift, the availability of quality water resources is in decline. Pollution, climate change and construction of cities in dry regions are some of the factors exacerbating evolving supply/demand imbalances. To account this, it is essential that man utilize existing water resources in the most careful, efficient manner. Water audits provide a rational, scientific framework that categorizes all water use in your system. It is a tool to overcome drought related problem, shortage, leakage and losses.

In present study is conducting a water audit on Chikmagalur water supply scheme. The audit comprises of calculating system input, authorized use and real losses. The performance of Chikmagalur water supply is checked by calculating ILI value. The water tariff fixed by the city municipality of Chikmagalur is compared with the proposed water tariff which is calculated. Based on the data collected, the results obtained are drafted on AWWA water balance chart.