

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM – 590010, KARNATAKA



A PROJECT REPORT ON

**“STUDIES ON QUALITY OF GROUND WATER AND ITS
GEOLOGICAL ENVIRONMENT IN JAGALUR TALUK OF
DAVANAGERE DISTRICT”**

(SPONSORED BY K.S.C.S.T.)

Submitted in partial fulfillment of the requirements for the award of degree

**BACHELOR OF ENGINEERING
IN
CIVIL ENGINEERING**

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SYNOPSIS

Jagalur taluk is one of the six taluks coming under Davanagere revenue district. It lies between $76^{\circ} 00'$ to $76^{\circ} 12'$ N longitude and $14^{\circ} 26'$ to $14^{\circ} 33'$ E latitude. It is located 48 km NE of Davanagere and at an altitude of 600 m above MSL.

In Jagalur taluk, granitic-gneisses and schists are the main water bearing formations. Ground water occurs within the weathered and fractured granitic-gneisses and schists under water table condition and semi-confined condition.

In the present study, water has been collected from 35 different locations in Jagalur Taluk and tests have been conducted to evaluate certain characteristics. These are compared with the standards for potable water to identify the locations which are not as per the standards.