

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELGAUM-590 002**



A PROJECT REPORT ON

**“EXPERIMENTAL INVESTIGATION  
ON  
HIGH DENSITY CONCRETE”**

**Submitted in the partial fulfillment for the award of**

**Bachelor’s Degree**

**In**

**Civil Engineering**

**Sponsored By Karnataka State Council of Science and  
Technology**



**Sri Taralabalu Jagadguru Institute of Technology**

**Department of Civil Engineering**

**Ranebennur-581115**

**2011-2012**

## **ABSTRACT**

Recommended methods and procedures for measuring, mixing, transporting, and placing high density concretes which are used principally for radiation shielding in nuclear construction are presented. Also covered are recommendations on cement, high density aggregates, water, and admixtures. Mixture proportioning of high density concrete is discussed. Recommendations for preplaced aggregate high density concrete are also included, together with suitable grout proportions. Mixing equipment, form construction, placing procedures and methods of consolidation is described. Quality control, inspection, and testing are emphasized, and a list of references is included.

Where as in this project we have used scraps which contained Iron ore aggregates which makes our project eco-friendly and economical if compared to high density concrete formed by other material constituents