

(PREVIEW)

IS : 516 - 1959

## *Indian Standard*

# **METHODS OF TESTS FOR STRENGTH OF CONCRETE**

### **FOREWORD**

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 10 November 1959, after the draft finalized by the Cement and Concrete Sectional Committee had been approved by the Building Division Council.

**0.2** Testing plays an important role in controlling the quality of cement concrete work. Systematic testing of the raw materials, the fresh concrete and the hardened concrete is an inseparable part of any quality control programme for concrete which helps to achieve higher efficiency of the materials used and greater assurance of the performance of the concrete in regard to both strength and durability. The test methods used should be simple, direct and convenient to apply. This standard has been prepared with this object in view and provides a guide to the determination of compressive strength, flexural strength and modulus of elasticity of concrete. Sampling and analysis of concrete have been covered separately in IS : 1199-1959 Methods of Sampling and Analysis of Concrete.

### **1. SCOPE**

**1.1** This standard covers tests; for the determination of compressive strength, flexural strength and modulus of elasticity of cement concrete