

ST RTUP



Civil Consultants

*#58, "KRISHNA",  
Chetana Colony,  
Vidyanagar, Hubli*





## Civil Consultants

**“Startup Civil Consultants”** a civil engineering consultancy company, pioneered by young technocrats, well supported by well experienced mentors, ventured in to the market with a vision to create new standards in the sector.

Reinforced with necessary infrastructure, testing facilities and soft-wares.

**“Startup Civil Consultants”** is capable to undertake challenging assignments in core fields of Civil Engineering.



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## *WE UNDERTAKE,*

- ▶ *COST ESTIMATION FOR ALL CIVIL ENGINEERING PROJECTS*
- ▶ *HIGHWAY DESIGN AND ESTIMATION*
- ▶ *MINOR & MAJOR IRRIGATION STRUCTURES DESIGN (BARRAGES, TANKS, CANAL SYSTEMS ETC.) & ESTIMATION*
- ▶ *BUILDING & BRIDGES STRUCTURAL DESIGN*
- ▶ *CIVIL ENGINEERING MATERIALS TESTING (SOIL, CEMENT, BITUMEN, CONCRETE ETC.)*
- ▶ *TECHNOLEGAL SERVICES*
- ▶ *STRUCTURAL DETAILING AND DRAFTING.*
- ▶ *TRAINING PROGRAMMES IN QUANTITY SURVEYING, MATERIAL TESTING.*

# CRASH COURSE IN QUANTITY SURVEYING AND ESTIMATION, COSTING

- ▶ INTRODUCTION
- ▶ METHODOLOGY AND CONCEPT
- ▶ SCHEDULE OF RATES AND SIGNIFICANCE IN GOVT. WORKS.
- ▶ RATE ANALYSIS
- ▶ QUANTITY ESTIMATION
- ▶ CREATING MEASUREMENT BOOK
- ▶ BILL SUBMISSION
- ▶ INTRODUCTION TO EIRL AND WORKSLIP CONCEPT
- ▶ DERIVING RATES FOR EXTRA ITEMS– CONCEPT AND METHODOLOGY.
- ▶ PRACTICAL EXAMPLES
- ▶ INTERACTION WITH CLIENTS/ PRACTICING ENGINEERS/ CONTRACTORS.

# CRASH COURSE IN MATERIAL TESTING (HIGHWAYS) FOR MATERIAL ENGINEERS

## ▶ Soil

1. Grain size analysis
2. Atterberg's limit
3. Free Swell Index
4. Compaction test for OMC & MDD
5. Field Density by sand replacement method and core cutter method

## ➤ Aggregates – Coarse and Fine

1. Specific gravity test
2. Shape test (Flakiness and Elongation test)
3. Water absorption test
4. Impact test
5. Gradation Test

## ▶ Cement

1. Initial and Final Setting time by Vicat's apparatus
2. Standard Consistency
3. Compression strength test
4. Soundness test by cheterlier's apparatus Le –

## ➤ Concrete

1. Concepts of mix design (with ref. to IS codes)
  2. Sample mix design
  3. Workability test at site and concrete cube casting as per standard frequency
  4. Compressive strength determination
- Introduction to Quality Assurance Plan

## TESTING FACILITIES IN OUR LAB



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- ▶ All Tests on Soil
- ▶ All Tests on Fine and Coarse Aggregates.
- ▶ All Tests on Cement
- ▶ All Tests on Bitumen
- ▶ Concrete Mix Design
- ▶ Bituminous Mix Design
- ▶ Job Mix Formulae for GSB and WMM
- ▶ Concrete Core Extraction and testing.
- ▶ Concrete Cube Testing
- ▶ Field testing

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# Civil Engineering

A People Serving  
Profession

