



**Engineering Staff College of India**  
An Autonomous Organ of The Institution of Engineers (India)  
Old Bombay Road, Gachi Bowli, Hyderabad-500 032  
(IMS (ISO 9001:2015, ISO 14001:2015, ISO 50001:2018,  
ISO 45001:2018 Certified), AICTE & CEA Recognized Institution)  
(NABL Accredited Civil Engineering Testing Laboratory)



**CIVIL & TRANSPORTATION ENGINEERING DIVISION**

**Training and Development Programme on**  
**Testing of Civil Engineering Materials by using latest**  
**Techniques**

**10<sup>th</sup> – 14<sup>th</sup> August, 2026**

**Venue : ESCI, Hyderabad**



**Centre for Promotion of Professional Excellence**

## **INTRODUCTION:**

Material Testing is the basic means or a tool by which an engineer or an inspector can be used to determine whether the materials should be allowed to be incorporated or be rejected into the work.

Construction materials are important because they determine the strength, durability, and safety of buildings and structures. The right materials ensure that buildings can withstand various forces. Testing on Materials gives proof for the quality of materials indicating it meets or it fails the desired properties as called for in the specifications requirements. There can be quality assurance without adequate quality control at the source or manufacturer or at construction, therefore testing is a tool for measuring quality control in project implementation

This Training programs deals with Civil Engineering Construction Materials Testing's with latest technologies and importance of Materials Specifications and QA & QC.

## **OBJECTIVES:**

- Participants will understand the basic technology in testing of construction materials
- To impart knowledge on Advanced Non-Destructive Testing Methods
- Participants will aware the importance of Materials Testing in Project implementations.
- To know the Latest Techniques used in Civil Engineering Materials Testing.

## **COURSE COVERAGE :**

- Overview of Civil Engineering Construction Materials and Testing's
- Sustainable Construction Materials for 21<sup>st</sup> Century
- Specifications – Importance of Material Testing
- Test on Soil and its importance
- Test on Steel, Aggregate and Cement Concrete
- Role of Admixtures in Civil Construction and its applications
- Advanced Non-Destructive Testing in Civil engineering
- Quality Assurance and Quality Control
- Civil Engineering Lab visits
- Group discussions, Presentation of Case Studies by Participants

## **BENEFITS TO THE PARTICIPANTS:**

- Participants will identify and understand the basic Properties of materials.
- Participants will gain knowledge & skills in the application of the proper methods of sampling of materials in the field and laboratory.
- Understand the importance Quality Assurance and Quality Control
- Participants will understand latest NDT testing methods and its applications.

## **TARGET:**

This course is suitable to all Engineers and officers working at Junior Level to Senior Level from Government Departments like R&B, PWD, MES, Municipal Corporations, Panchayat Raj, Housing Boards, GHMC, RITES, and Border Roads Development & Defense. Engineers from all State and Central Government Departments, & Construction Companies.

### RESOURCE PERSONS:

Renowned personalities both from Industry / Educational Institutions like IIT's/ NIT's / Research Institutes, Reputed Universities, who are experts in this field, will be involved in providing the training.

### PROGRAMME VENUE, DATES &TIMINGS:

**VENUE** : ESCI, Hyderabad

**DATES** : 10<sup>th</sup> – 14<sup>th</sup> August, 2026

Registration : 09:45hrs.

Session timings : 10:00 – 17:00 hrs with 3 times breaks.

### COURSE DIRECTOR:

**Dr. R Venkat Reddy, Ph.D (Osmania), FIE**  
Head

### COURSE COORDINATOR:

**Ch. Tilak – Faculty**

### COURSE FEES:

**Rs.27,500/- (Rupees Twenty Seven Thousand Five hundred Only) + GST 18%** per participant. Fee includes, Soft copy of course material, course kit and Twin Sharing AC accommodation, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme.

### DISCOUNTS

- ❖ **Non-Residential Fee-** 10% discount on course fee is allowed for non-residential participants.
- ❖ **Group Discount:** Additional 10% discount for three or more participants, if sponsored by the same organization.

**GST 18%** is to be paid extra over and above the training fee, as training is also brought under the purview of **Service Tax. PAN Card No AAATT3439Q; Service Tax registration No AAATT3439QST008 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994). GSTN Number – 36AAATT3439Q1ZV (HSN Number – 999293)**

Programme fee is to be paid in favor of “**IE (I) – Engineering Staff College of India**” in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT) to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by NEFT / RTGS / IFSC Code No. SBIN 0004159 – MICR No.500002075.** While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.

## REGISTRATION:

Please send your nominations from your Department/ Organization/ Institution/ if any.,

**To**  
**The Head**  
**Civil & Transportation Engineering Division**  
Engineering Staff College of India  
Old Bombay Road, Gachi Bowli, Hyderabad - 500 032  
Mobile : **9490011311 / 9492011311**  
Phone: 040-6630 4114  
Email : [cte@escihyd.org](mailto:cte@escihyd.org)

## CERTIFICATE:

A certificate of participation will be awarded to each participant.

## GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200hrs) and one day after conclusion (Check-out 1100hrs) of the program duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation).