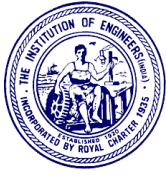




# Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi Bowli, Hyderabad – 500032. TS, India



## POWER & ENERGY DIVISION

*Classroom Continuing Professional Development Programme on*  
**CEA (Measures relating to Safety, Electric Supply  
Associated Maintenance and Safety Practices  
Regulations, 2023  
28 - 31 January, 2025  
at ESCI, Hyderabad**



(An IMS Certified (ISO 9001:2015 QMS, ISO 14000:2015 Env'tl. Mgmt., ISO 45001:2018 (OH&SM), ISO 50001:2018 EnM), AICTE & CEA Recognized Institution)

**Centre for Promotion of Professional Excellence**

## **INTRODUCTION**

Electrical personnel involved in carrying out of Power supply to the mining activities have to analyze their safety, reliability, efficiency and compliance with electrical regulations, codes and standards while carrying out their activities normally.

Electrical personnel are distinguished by their ability to adopt safety procedures during testing, operation and maintenance. Timely and proper first aid could save several lives/ resources working in Electrical Installations.

## **OBJECTIVE**

The objective of this course is to familiarize about the equipment in substations, Testing, O&M Practices, Safety Philosophy, Causes of Accidents & Safe Working Procedures while energizing the equipment following measures relating to safety and Electric Supply Regulation, 2010 and subsequent amendments, 2023.

## **COURSE COVERAGE**

- Electricity Act, 2003- Provisions related to Electrical Distribution
- CEA (Measures relating to Safety & Electric Supply) Regulations - 2010 & subsequent (Amendments) Regulations- 2023
- O&M of equipment (33 KV SS & Below)- Transformers & Circuit Breakers
- Selection & Fixing of Control Devices- GO Switches, Fuses, Isolators & Earth Switches, LAs & Distribution Boxes
- Cables- Types, Selection, Cable Trenches, Cable Routing & Laying, Cable Jointing & Junction Box, Line/ Cable Maintenance, Line Patrolling, Inspection, Erection of Temporary earth & Restoration of Supply
- Testing & Commissioning of Transformers, Thermo-vision Scanning, Hotspots
- Testing & Commissioning of other equipment- CBs, Battery Chargers, Transformer Oil
- Earthing of Substation equipment
- Basic Principles of Safety, Safety Concepts, Causes of Accidents, Safe working Procedures
- Safety equipment- PPEs, Maintenance Permit Procedures, Self Permit, Permit over phone
- Principle & Causes of Fire & Precautions to be taken to avoid Fires & Fire fighting system
- First Aid for Accidents & Electric Shocks
- Safety & Procedure for Recover/Resuscitation
- Cardio Pulmonary Resuscitation( CPR) & Demo
- Filed visits to Substation & equipment - Operational aspects, Maintenance Schedule & Procedures, Permit to Work On-line.

## **METHODOLOGY**

The programme will be conducted in an interactive environment providing greater scope for discussions. Emphasis will be on a highly participative style of learning. The ambience in the class facilitates effective learning by participants.

## **FACULTY**

Apart from Core Internal Faculty, Subject experts having wide experience from Government organizations will share their experience during these sessions.

## **TARGET PARTICIPANTS**

Junior and Middle Management level executives & Operators/ Technicians working in Electrical activities in Mining Organizations.

## **PROGRAMME VENUE, DATES & TIMINGS**

Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad - 500032, Telangana, India.

## **DATES**

**28 – 31 January, 2025**

## **TIMINGS**

On the first day registration will commence at 0900 Hrs. On all other days the programme timings will be from 0945 to 1715 hrs with breaks in between for tea and lunch.

## **ACCOMMODATION**

Participants will be accommodated in our Executive Hostel located within ESCI Campus. The accommodation will be on twin sharing basis.

## **COURSE DIRECTOR**

**Er. Vidya Sagar Ubba, FIE**

(Former CGM, TSSPDCL)

Head & Sr. Faculty (Mob: 8179559990)

## **COURSE FEE**

**Residential Fee** is Rs.22,000/- per participant. Residential fee includes Course Material, Course Kit, and Twin-sharing / Single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks.

## **DISCOUNTS**

**Non-Residential Fee:** 10% discount on course fee is allowed for non-residential participants.

**Group Discount:** 10% discount for three or more participants if sponsored by the same organization.

**(All discounts are applicable only if fee is received at ESCI a week before the commencement of the programme)**

**GST @18% (as applicable)** is to be paid extra over and above the training fee. ESCI's **GST No. 36AAATT3439Q1ZV, PAN Card No. AAATT3439Q.**

The course fee is to be paid in favour 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 – Current A/c No. 33705165550** with The SBI, Manikonda Branch, Gachi Bowli, Hyderabad – 500 032 by **NEFT / RTGS / IFSC Code No: SBIN0011076 – MICR No: 500002107.** While using EFT method of payment, please ensure to communicate us your company name, ESCI invoice reference and programme title.

Online registration is available on ESCI website. To register, manually please send your nominations (**10 days** prior to date of commencement of the programme) giving details of name, designation, contact address, email address, mobile number, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

**Head, Power & Energy Division**

Engineering Staff College of India

Gachi Bowli, Hyderabad – 500 032

Phone: 040–6630 4170 to 4176; 040-6630 4173 / 4176, Fax: 040 –66304163

Email:pe.esci@gmail.com / pe@escihyd.org; Website: www.escihyd.org

**CERTIFICATE:** A certificate of participation will be awarded to each participant on conclusion of the programme.

**GENERAL INFORMATION:**

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of the outstation, participants ESCI will facilitate pickup and drop from Airport / Railway Station / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The participants shall pay the charges directly to the cab driver.
- ESCI provides complimentary accommodation to participants a day prior to the commencement and after the conclusion of the programme. (Check in at 12:00 hrs a day prior to the commencement & check out at 12:00 hrs a day after completion of the programme)
- Overstay charges of @ Rs.990/- per day / per head, (Food will be charged extra).
- Well-developed Information Centre and Internet facilities are available to the participants at free of cost.