



Engineering Staff College of India  
Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. TS, India



## POWER & ENERGY DIVISION

*Continuing Professional Development Programme on*  
**Static and Digital Energy Meters – Design,  
Function & Applications**  
29 – 31 October, 2019



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

**Centre for Promotion of Professional Excellence**

## **INTRODUCTION**

Metering, over the years, has played a very important role as means of revenue collection driven by the new imperatives in power generation, conservation and utilization and tariff structures, etc. Metering is today emerging as a major sub-system within utilities operational framework. The driving force within metering is the rapid advances in metering technology, which today provides the tools to do things hitherto not possible in metering function.

Metering today is not limited to revenue collection but entered into areas of load control, system planning, tariff structuring, reduction in T&D losses, etc. A system approach is, therefore, needed to metering to achieve these applications. A combination of state - of - art technologies in metering, information technology can provide an integrated solution to many problems faced by utilities. The advent of information technology helps in finding proper solutions to the management and interpretation of large masses of data.

The static and digital energy meters representing a good solution for all the application when an increased accuracy is required.

## **OBJECTIVE**

The objective of the programme is to create awareness among the utility engineer about the Design, Functions and Applications of Static and Digital Energy Meters in the distribution Systems.

The Engineering Staff College of India (ESCI) has therefore considered it very timely to conduct a programme on “**Static and Digital Energy Meters – Design, Functions and Applications**” with a view to providing forum for Engineers and Managers of Power Utilities for Exchange of information and sharing of experience.

## **COURSE COVERAGE**

- Advances in Metering Technologies
- Static and Digital Energy Meters
  - Design and Performance Characteristics
  - Functions
  - Applications
- Testing of Static and Digital Energy Meters
- Reliability of Static and Digital Energy Meters – Influential Parameters
- AMI and Smart Metering
- BIS Specifications on Metering
- Performance of Energy Meters in Electrically Polluted Loads
- State of Art Technology and Modern Concepts in Metering
- Special Purpose Energy Meters
- Field Visit

## **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 faculty will act as provocateurs and resource persons and demonstrate application oriented studies rather than as teachers. The participants are expected to play a very active role not only as learners and facilitators but also as experts and practitioners in their own right.

## **FACULTY**

Apart from Core Internal Faculty, Consulting Firms, Government Organisations, Academic and Research Institutions etc. will share the sessions.

## **TARGET PARTICIPANTS**

Engineers / Executives of Power Utilities, Discoms and Private Distribution Companies

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

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

## **DATES**

**29 – 31 October, 2019**

## **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**

**R V Chalapathi**

Sr. Faculty - Power & Energy Division, ESCI

## **COURSE FEE**

**Residential Fee** is Rs.15,000/- (Residential) per participant. 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 **Provisional ID 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 – SB 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 4177; 040-6630 4100, Fax: 040 – 23000336, 66304103

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 INSTRUCTIONS**

- 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 charges shall be paid by the participants 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 including hospitality (Bed Tea / Coffee to Dinner) will be charged.
- Well developed Information Centre and Internet facilities are available to the participants free of cost.