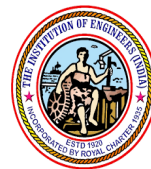# Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi Bowli, Hyderabad – 500032. TS, India
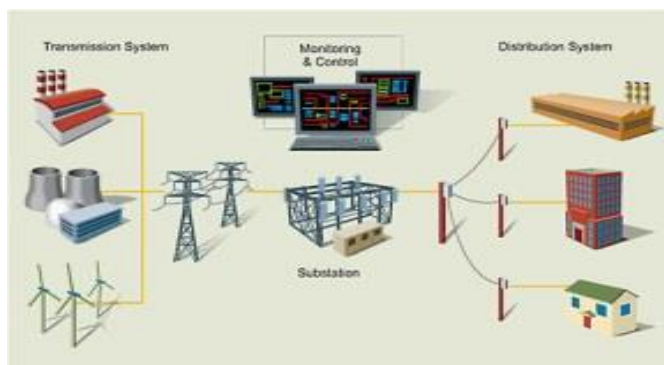
POWER & ENERGY DIVISION

Hybrid Mode Continuing Professional Development Programme on

Best Practices in Energy Auditing of T&D Systems
06 – 09 November, 2023

at ESCI, Hyderabad

Centre for Promotion of Professional Excellence

INTRODUCTION

Power system in India has witnessed a phenomenal growth during the last few decades. Adhoc expansion of distribution network to meet the village electrification has resulted in high distribution system losses. Reduction of losses is an important agenda for any transmission and distribution companies. Energy audit is a tool to identify the areas where the losses are high comparatively..

OBJECTIVE

In order to identify the areas where power losses are relatively more in a transmission and distribution network, it is necessary to take-up energy audit as a first step. Based on this, an action plan for reduction of losses in a phased manner can be prepared by the organisations. It is well known that the losses comprise of both commercial and technical losses and reduction of both types of losses will be dealt with in detail in this programme..

COURSE COVERAGE

- Energy Audit and Accounting concepts and Methodologies
- Strategies Employed in Bringing Down AT & C Losses
- Power Loss Scenario in T&D Networks
- Load Flow studies for evaluation of technical losses in T&D Systems
- Integrated Optimal Strategy for Loss Reduction
- High Voltage Distribution System for Power Loss Reduction
- Demand Side Management – Standards and Labeling in Energy efficiency equipment
- PAT scheme for Discoms and case studies
- Reactive Power Compensation in T&D Networks
- Latest Technologies in Metering, Billing and Collection for loss reduction
- Energy Auditing in Substations such as Energy Loss at Red hot points due to loose contracts, poor binding etc.,

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 classrooms are equipped with latest audio – visual teaching aids. The ambience in the campus and classrooms facilitate effective learning by participants.

FACULTY

Apart from Core Internal Faculty, Domain Experts in the sector will share their knowledge and expertize in handling and ensuring the Cyber Security in various segments of power sector.

TARGET PARTICIPANTS

Engineers working in the areas of Operation and Maintenance in Public (DISCOMs) and private Distribution Companies.

PROGRAMME VENUE

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

DATES

06 – 09 November, 2023

TIMINGS

On the first day, registration will commence at 0900 Hrs. On all the 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
Head & Sr. Faculty - Power & Energy Division, ESCI
(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.

Online Fee is Rs.16,000/- per participant.

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. **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 – 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 (Food will be charged extra).
- Well developed Information Centre and Internet facilities are available to the participants free of cost.