

3-Day ONLINE TRAINING PROGRAM

SCADA & IT APPLICATION



OVERVIEW

The power distribution reforms being adopted countrywide is spawning innovative uses of IT applications using state-of-the-art technologies. The need for automation and integration of inter-related business processes is driving the creation of a robust IT infrastructure, spanning the complete business value chain of power distribution. To handle the increasing complexities of integration and ensuing challenges, there is a growing focus on the adoption of standards-based technologies.

Supervisory Control and Data Acquisition (SCADA) is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management. SCADA is designed to have real time data monitor and control grid stations from a central location. SCADA system permits better control over the network, aiding energy distribution management, acquisition and processing of system data and historical data as well as remote management of grid stations and substations. Access to network data centrally enables effective load forecasting, thereby enabling load shedding at predefined times. Impact of SCADA implementation results in reduced losses.

SCADA system has improved efficiency in terms of human resource management, operations, quality of power and customer satisfaction. The faults during any breakdown are located very fast, facilitating restoration within a few minutes which leads to enhanced consumer satisfaction.

WHO SHOULD ATTEND

- Level A & B Utility Personnel (CE/SE/EE/AE)
- Electrical Engineers
- Project Engineers
- Design Engineers
- Field Engineers
- District Engineers

WHAT WILL YOU LEARN

- Smart grid building blocks
- Smart grid & communications
- Smart grid analytics
- SCADA overview
- Asset monitoring, consumer indexing, optimization & outage management system
- Peak load management & loss reduction
- IT intervention in power distribution
- Customer relation management & billing
- IT system integration aspects
- Cyber security

Customisation of the program to include any specific requirement can also be done

METHODOLOGY



Lectures



Discussions



Case Studies

2 sessions per day of 2 hour duration comprising of lecture and Q&A on all 3 days

OBJECTIVE

To make the participants aware of sub-station automation & provide them knowledge regarding the functioning of SCADA, Advanced Distribution Management System and Field Force Automation in Power Distribution System.

The spate of power reforms in India has drawn focus on the adoption of an integrated IT strategy across the distribution value chain to collect and establish the baseline data for achieving mainly the following objectives:

- Reduction of AT&C (aggregate technical and commercial) losses
- Improving process efficiency by automating various utility processes
- Enhancing customer services
- Total energy audit and accounting
- Improving revenues through sustainable business mode



PROGRAM FEE

DESCRIPTION OF CHARGES	UNIT RATE
<p>Cost of Online Training <i>comprising of 6 sessions for upto 30 participants</i> from one company</p> <ul style="list-style-type: none"> • Cost per Session – Rs 12,500 • Cost for 6 sessions – Rs 12,500 x 6 sessions = Rs. 75,000 • Taxes and Levies extra 	Rs. 75,000
<p>Cost of Online Training (<i>comprising of 6 sessions spread across 3 days</i>) for every additional participant over and above 30 participants from one company excluding applicable taxes and levies</p> <ul style="list-style-type: none"> • Cost per Session – Rs 500 • Cost for 6 sessions – Rs 500 x 6 sessions = Rs. 3,000 • Taxes and Levies extra 	Rs. 3,000
<p><i>Remarks: Includes Online Training Cost, Course material and Presentations, Certificate of Participation</i></p>	

The fee is payable either through Cheque or Demand Draft favouring "Tata Power Delhi Distribution Limited, New Delhi" crossed 'A/C payable only' or in case of direct ECS you can pay into A/C no. 00030310011605, HDFC Bank Ltd. Branch, G-3-4, Suryakiran Building, 10, KG Marg, New Delhi-110001, IFSC Code: HDFC0000003

Payment Terms: 100% advance after confirmation of nomination.

WHOM TO CONTACT

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