

Course Overview:

The objective of this seminar is to identify commissioning, testing and startup for power transformer, generator, synchronous machines, scads a system and describes the precautions that are necessary to perform electrical testing jobs safely.

Course Objective:

- A better understanding of commissioning procedures
- A better understanding of troubleshooting procedures
- An improved capability in the use of test equipment
- A better understanding of failure modes and failure analysis
- A refreshed awareness of electrical safety concerns
- Developed a structured approach to electrical commissioning, testing and troubleshooting
- Been given methods/solutions for various electrical problems
- Interacted and gained from shared experiences
- Examples and case studies to illustrate the material being discussed
- Technical material appropriate to the organizations represented

Course Outline:

- The Technology Of Electrical Equipment
- Power Transformer, Testing, Commissioning & Startup In Substation And Power Plants
- Circuits Breaker, Contactors and Metal Clad (H.V. And L.V)
- Synchronous Generator, Operation Testing And Synchronization With Bus bar
- Testing Of Synchronous Machines
- 3Phase Short Circuit
- Protection And Automation Of Synchronous Generator And Motor Scads
- Tripping And Interlocking Scheme In Electrical Substation

Who Should Attend:

This course is recommended for electrical technicians, supervisors and engineers involved with commissioning, testing & power plants.

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation