Power Transformer Pre-Commissioning Tests

TE309

Course Overview:

Transformer is the most important equipment in the electrical power transmission and distribution system. In order to ensure availability of uninterrupted power supply, it is essential that the condition of trans-former is continuously monitored during service as failure of transformer would result in interruption of power supply resulting loss of industrial production and inconvenience to customers on large scale.

Course Objective:

This course aims in providing participants clear under-standing of the basic constructional features of power transformers, various processes during manufacturing, various fittings and accessories, type tests and routine tests in manufacturers works, pre dispatch precautions, Non destructive diagnostic measurements to access present condition of transformers, installation at site, pre-commissioning testing including diagnostic tests and commissioning of the trans-former and preventive maintenance practices.

Course Outline:

Transformer Categories and Type
Construction
Distribution Transformers
Network Transformer
Rectifier Transformer
Power Transformer
Voltage Relationship
Current Relationship
Transformer Polarity, Terminal Markings
Transformer Characteristics
Preventive Maintenance of Transformers
Transformer Testing

Who Should Attend:

Electrical and mechanical/ power engineers, project engineers, maintenance engineers and supervisors and operating staff of electrical sub stations will find this course very useful for enhancing their knowledge related to transformers and its working principles, de-sign, operation & maintenance. The course will also definitely be beneficial for the all the other department people concerned with the plant operations, production, maintenance and safety. It could be also useful for the procurement and quality personnel.

Training Language:

EN / AR

Training Methodology:

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