

# TRANSFORMER OPERATION AND MAINTENANCE

## OVERVIEW

This particular course is designed to provide the most advance knowledge and guidance appropriate method of maintenance to continuously sustain the transformer efficiencies, voltage stability throughout the operation with the objective to achieve optimum output performance. The transformer is static equipment which has no moving parts, but neglecting appropriate monitoring and maintenance may lower down the operational output performance in a very short period of time.

## TARGET MARKET

- Technical personnel such as Manager, Engineer, Technician, Charge man etc. who are directly/indirectly in the operation and maintenance of electrical installation in the manufacturing industries, service industries, building maintenance.
- The first party to approach for marketing purpose is the HR department, followed by Engineering/Technical department

## COURSE OUTLINE

- Introduction
- Types and rating of transformer
- Components of transformer and their functionalities
- Transformer loss
- Transformer efficiency
- Transformer protection
- Testing of transformer
- Transformer common faults
- Operation and maintenance of transformer

## OBJECTIVES

- Able to understand in details basic working principles of transformer
- Able to monitor and operate transformer in accordance to the right standard operating procedure (SOP)
- Able to perform the right approach of transformer maintenance Able to identify fault and troubleshooting transformer
- Able to reduce down time due to failure of transformer



**SBL CLAIMABLE**



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