

SEN EDS

A Place for learn and Explore the Electrical Design

Details of Transmission Systems with Manual Calculation

TRAINING FACILITIES

- Experienced Engineers as Faculties.
- Excellent Materials Provided. (Manuals, design calculation)
- Drawings of Sample Projects etc.
- Duration: 75 hours

COURSE CONTENT:

- Introduction to Electrical Design
- Introduction to Electrical Standards
- Introduction to Transmission Line System
- Explore the Activities of Switch Yard
- Various Design Calculations for Switch Yard
- Introduction of Project Execution study
- Introduction to ETAP Software (Optional)
- Calculation as per Electrical Standards
 - IEC Standards
 - Indian standards
 - IEEE Standards
 - ANSI standards
 - NEMA Standards

Exploration of Electrical Design Calculations

➤ Introduction to design

- Design Activities of Switch yard
 - Lighting Design
 - Short Circuit Calculation
 - Flexible Short Circuit Force Calculation
 - SAG and Tension Calculation
 - ACSR Conductor Size Calculation
 - Erection Key Drawing Analysis
 - Earthing Calculation
 - Sub Station Grid Design
 - Rigid Short Circuit Force Calculation
 - Equipment Sizing
 - Lightning Protection Size and Layout
 - Sub Station Clearance Drawing
 - Cable Routing Layout
 - Cable Sizing and Schedule

➤ Knowing Client Requirements & collection of specific data for projects.

- Bill of Quantities
- Pre Tendering and Post Tendering Document
- Vendor Specification Review

Interview Preparation for Engineers.