

COURSE OUTLINE

GOOD MAINTENANCE PRACTICE IN ELECTRICAL POWER SYSTEMS

- 1 OVERVIEW OF COURSE.

- 2 INTRODUCTION TO MAINTENANCE.
 - 2.1 Concept of Maintenance and Relationship to Cost.
 - 2.2 Group Replacement.
 - 2.3 Standby Machines.
 - 2.4 Preventive Maintenance.

3. GOOD MAINTENANCE PRACTICE FOR SPECIFIC COMPONENTS.
 - 3.1 Power Distribution Substation Equipment.
 - 3.1.1 Disconnection Switches.
 - 3.1.2 High-Voltage Fuses.
 - 3.1.3 Potential Transformers.
 - 3.1.4 Current Transformers.
 - 3.1.5 Arresters.
 - 3.1.6 Transformers.
 - 3.1.7 High-Voltage Oil or Air Circuit Breakers.
 - 3.1.8 Capacitors.
 - 3.1.9 Overhead Power Lines.
 - 3.1.10 Potheads.
 - 3.1.11 Underground Cables.
 - 3.1.12 High-Voltage and Low-Voltage Switchgear.
 - 3.1.13 Metering and Controlling Equipment.
 - 3.2 Protection System Components.

3.3 Standby and Un-interruptible Systems.

3.4 Battery Systems.

3.5 Electric Motors.

3.6 Solenoid Valves.

3.7 Motor Operated Values.

3.8 Limit Switches.

3.9 Lighting Systems.

4 DEVisING INSPECTION CHECK LISTS.

5 MAKING PREVENTIVE MAINTENANCE WORK.