105215-ELE-1M-E-2005
Electrical Maintenance Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 12 years hands-on experience working in maintenance at Abu Sultan Power Plant.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	24/10/1975
Gender	:	Male
Marital Status	:	Married
Residence	:	Ismailia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, 2005

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office

TRAINING COURSES AND CERTIFICATIONS

: Electrical maintenance training course.
: Safety & environment training course.
: Operation & maintenance for thermal power plant training course.
: Excitation system training course (EX2100) by GE Company.
: Time management training course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2005 till now
Project : Abu Sultan Power Plant (4x150MW)
Job title : Electrical Maintenance Engineer
Job Description :

- Carrying out preventive maintenance, corrective maintenance and overhauls for the existing 2x341.25MW units, ensuring non-occurrences of similar defects and upkeep Electrical equipment in the best conditions possible.
- Protection relay test for electrical equipments.

- Implement quality corrective maintenance on safe electrical related equipments.
- Maintaining all electrical installations and auxiliaries associated to Boiler, Turbine and Turbo Alternator.
- Assist the Maintenance Manager in ensuring all Engineers and Technicians in the Electrical Section discharge their respective duties responsibly, efficiently and in the professional manner so that station's availability and efficiency targets are achieved if not surpassed.
- Identify long-outstanding plant troubles/problems and provide assistance to the Maintenance Manager to solve the problems systematically.
- Monitor and control daily activities that give rise to or potentially can cause environmental impacts to ensure compliance to Egyptian Environmental Legislation and Regulations.
- Fully understand company's IMS Quality Policy and Objectives, and play an effective role in implementing the station ISO 9002, ISO 14001 Quality System and OSHAS 18001.
- Type of Equipments:
  - 245KV G.I.S SUBSTATION ALSTOM B105.
  - 245KV BULK OIL SUBSTATION (McGraw Edison RHF84).
  - 6.6KV G.I.S SWITGEAR SCHNIEDER – ENCLOSURE TYPE FLUAIR-F100-6.6KV.
  - 6.6KV VACUM SWITCHGEAR G.E TYPE POWER VAC*.
  - 400 V SWITCHBOARD ABB.
  - 400 V SWITCHBOARD G.E TYPE AKR.
  - GENERATOR 18KV, 460 MVA H2 ROTOR COOLING, WATER STATOR COOLING TOSHIBA TYPE TAKS.
  - MAIN TRANSFORMER 18KV/230KV, 420 MVA, ODAF COOLING, MANUFACTURER ALSTOM.
  - AUXILARY TRANSFORMER 18KV/6.6KV, 30 MVA, ONAN/ONAF COOLING, ALSTOM.
  - UPS 80 KVA SGTE.
  - BATTERY CHARGER SGTE.
  - GAS TURBINE TUMA TURBOMACH WITH GENERATOR 6.6KV, 15 MVA ALSTOM TYPE EMZLB/Q.
  - Emergency Diesel Generator PERKINS WITH GENERATOR 0.4KV, 1.1MW STAMFORD.
  - ELECTIRICAL ACTUATORS (LBERANRD, LIMITORQUE, AUMA).
  - FIRE FIGHTING SYSTEM (CHUBB SECURIT).
  - PROTECTION RELAY (SEPAM1000+S20- M-3425 BECKWITH ELECTRIC).
  - SECONDARY INJECTION DEVICE (PTR233 V6 – FREJA 300).

Field of experience :

- Maintaining the different types of electrical system related to the power generation process in large power plant.
- Highly experienced in fault finding and rectification of miscellaneous electrical systems.
- Skilled in electrical repair and maintenance of (high voltage, medium voltage & low voltage) electrical equipments.
- Comprehensive experience in engineering maintenance and equipment breakdown repair.
- Contributes to maintaining the company's competitive position in the marketplace.