

102354-ELE-1MOPT-E-2010
Electrical Maintenance & Protection Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 12 years' experience working in maintenance, protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/10/1987
Gender : Male
Marital Status : Single
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Assiut University, 2010
: Studying for Master degree

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

: Gas Turbine Operations FRAME 9E Dual Fuel Gas / Liquid.
: EX2100e Excitation System.
: Mark VIe Maintenance Training.
: SCS system operation by Siemens.
: Operation and control of electric motors in Society of Electrical Engineer.
: Training of generator circuit breaker maintenance.
: PLC Basic S7.
: AUTOCAD 2D Training Course.
: Misr El Westa Company for distribution electricity training.
: Telecom Egypt Company training.
: ICDL

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2015 till now
- Project** : Assiut Power Plant 1500MW
- Job title** : Electrical Maintenance & Protection Engineer
- Job Description** :
- Maintenance, Testing and commissioning of HYUNDAI power transformer with different ratings (220/15, 15/6.6KV) and Dry Type Transformer (6.6/.4KV).
 - Maintenance, Testing and commissioning of ALSTOM GENERATOR CIRCUIT BREAKER.
 - Maintenance, Testing and Commissioning of Schneider MV and LV.
 - Working on Siemens GIS (8DN9).
 - Maintenance, Testing and Commissioning of LCC, BCU, Protection panel of Siemens.
 - Working on EX2100e Excitation System.
 - Maintenance, testing and commissioning HYOSUNG Transformers (15/220KV), (15/6.6KV).
 - Maintenance, Testing and Commissioning of ABB MV and LV.
 - Maintenance, Testing and Commissioning of Generator protection panel for GE PANEL.
 - Maintenance, Testing and Commissioning of PEECC and MCC.
 - Maintenance and testing of motors with different voltages and rating (6.6, 0.4KV).
 - Testing of Transformers up to 310MVA (bank):
 - Insulation Resistance & Polarization Index.
 - Capacitance & Dielectric Dissipation Factor (C & tan δ).
 - Winding Resistance.
 - Magnetizing Current.
 - Voltage Ratio.
 - Short Circuit Test (Impedance Test).
 - Core Balance.
 - Vector Group.
 - OLTC Operation.
 - Transformer Alarms/trip test.
 - Testing of Circuit Breakers:
 - Insulation Resistance.
 - HIPOT (Leakage Current).
 - Contact Resistance.
 - CB Operations.
 - CB Alarms/trips.
 - CB Timing.
 - Testing of CTs up to 220KV:
 - Insulation Resistance.
 - Capacitance & Dielectric Dissipation Factor (C & tan δ).
 - Secondary Resistance.
 - Ratio Test.
 - Polarity Test.
 - Open Circuit Characteristics (Knee Point Voltage).
 - Testing of VTs up to 220KV:

- Insulation Resistance.
- Capacitance & Dielectric Dissipation Factor (C & tanδ).
- Ratio Test.
- Polarity Test.
- Commissioning and testing of Distance Relays, Differential Relays, generator protection relay, OC Relay.
- Commissioning and testing of new 2 bay in GIS 220KV.
- Battery and UPS installation, charging, load testing, etc.
- Trouble shooting of various protection hitches.
- Commissioning and testing of Generator 250MW.
- Relay Communication Software:
 - Digi.
 - Enervista.
 - SFT2841.
 - PCM.
- MAJOR RELAYS HANDLED:
 - Schneider: SEPAM S10, S40, S60.
 - GE: G60, T60.
 - ABB: REL610, RET615, REM620.
 - Siemens: 7SA, 7SD.
- MAJOR TEST EQUIPMENTS HANDLED:
 - Omicron – CMC356, CPC100, CT Analyzer.
 - ISA - DRT6, PRIMARY injection.
 - Hypotronics – DC-HIPOT.
 - Megger / Programma – Sverker, Torkel 860, TM1600.
 - Scope – TRM 104.

Dates : From Dec. 2014 till May 2015

Project : Assiut Combined Cycle Power Plant CCPP 1500MW

Job title : Operation Engineer

Job Description :

- Responsible for operation of the gas generation units, generator, transformer and its auxiliaries (start-up, shut down, normal operation and abnormal operation) to achieve the optimum and economical operation.
- Carrying out troubleshooting with electrical and mechanical maintenance departments and proper isolation for equipments.
- Carrying out the switching programs for the interconnected system (220KV).
- Execute the proper and safe isolation for electrical equipment as per requisition of electrical maintenance department to attend the maintenance needed for it.
- Operate the GE Frame 9E units.
- Start-up and Shutdown safely.
- Monitoring all of the unit's condition and the required check.

Dates : From Oct. 2012 till Nov. 2014

Employer : Kisko Khaider for paper mill

Job title : Electrical Maintenance Engineer

Job Description :

- Automatic, Classic control.
- Motor maintenance.
- Power factor correction.
- AC, DC Drive.
- PLC Maintenance.
- Design the electrical circuit.
- Make report daily, weekly, monthly.

Dates : From Jan. 2012 till Oct. 2012

Employer : Almarae for food industries

Job title : Electrical Maintenance Engineer