

101374-ELE-CMS-E-2003
Electrical Maintenance Manager

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 17 years experience working in construction, maintenance, commissioning and testing at EI-Kureimat CCPP.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/10/1980
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Off training in CMI energy heat recovery systems for heat recovery steam generators systems (Seraing, Liege, Belgium).
- : Onshore training for gas turbine including electrical systems by SIEMENS Company (Giza, Egypt).
- : Onshore training for steam turbine including electrical systems by including electrical systems by HITACHI Company (Giza, Egypt).
- : Cathodic protection system of power plants by Arab Contractors & Warley Parsons (CACWP) Company (Giza, Egypt).
- : Tap changer under load (Giza, Egypt).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2016 till now
Employer : Upper Egypt Electricity Production Company
Project : EI-Kureimat II 750MW Combined Cycle Power Plant
Job title : Electrical Maintenance Manager

Job Description : Responsible for PM maintenance and testing of electrical system of the combined cycle module:

- Generator and Unit Auxiliary Transformers.
- Gas turbine Electrical Generators and protection system.
- ABB Generator Circuit Breakers.
- Schneider and ABB MV Switchgear.
- Batteries and Battery chargers and Uninterruptible Power Supply (UPS).
- MV and LV motors.
- AC LV Switchgear (Load Center, MCC).

Dates : From Jan. 2014 till Dec. 2015

Employer : ISCOA (Industrial Services Company of Saudi Arabia) - a SIEMENS COMPANY

Job title : Electrical Instructor Engineer (in ISCOA Training Center)

Job Description : Scope of courses:

- AC Electrical Motors and Drives Trebles Maintenance and Protection.
- Electrical Equipments, Testing and Maintenance.
- Basic of Current Transformer.
- Circuit Breaker Schematic Diagram Troubleshooting.
- Electromagnetic fields and waves.
- Operation and Maintenance of High Voltage Circuit Breakers.
- Cathodic protection maintenance and troubleshooting.

Dates : From Jan. 2010 till Dec. 2013

Employer : Upper Egypt Electricity Production Company

Project : EI-Kureimat II 750MW Combined Cycle Power Plant

Job title : Electric Power Commission / Testing Engineer

Job Description :

- Transformers tests (Function test - Megger test - High potential test - Turns ratio test - Dc resistance test - Mechanical/electrical protection - Dielectric oil test, ...etc.).
- Generator tests (Stator insulation test - rotor insulation test - DC resistance of field winding - Bearing insulation test - High potential test - over/under excitation).
- Medium voltage switchgear 6.3KV tests (Megger test - High potential test - Contact resistance test - (trip/close) on/off Time test - Mechanical/electrical interlock test).
- DC system: batteries, battery charger and UPS (battery filling and charging and discharging test - check battery charger operation mode (floating – equalizing - boost) - test all alarms for battery charger and UPS - test Inverter modes of operation (inverter – bypass - manual bypass).
- Cables tests (Megger test - High potential test).
- AC/DC Loop check and continuity test.
- Function test for all (panels - MCC).

Dates : From May 2004 till Dec. 2009

Employer : Upper Egypt Electricity Production Company

Project : EI-Kureimat II 750MW Combined Cycle Power Plant

- Job title** : Electric Power Construction / Maintenance Engineer
- Job Description** :
- Responsible for construction of the combined cycle module (gas turbines part).
 - Responsible for Electrical Drawings Review and Approval according to the Contract Specification Requirements.
 - Responsible for Commissioning and testing of electrical systems according to the Contract Specification Requirements...
 - Coordination and Supervision of all Contractors Electrical Works and Identify any deviation from the contract for the following Contractors: (1) SIEMENS Company Two Gas Turbines, (2) Consortium of Arab Contractors and Warley Parsons (CACWP).
- Field of experience** :
- Monitor Electrical works for conformance with the provisions of the contract documents and procedure manuals.
 - Planning and undertaking scheduled maintenance after approval from Top management.
 - Supervising engineering and technical staff.
 - Ensuring compliance with health and safety legislation.
 - Perform regular tests to electrical systems (Transformers tests, Generator tests, Bus Bar tests, Medium voltage switchgear 6.3KV tests, DC system battery charger and UPS Function test for all (panels - MCC).
 - Well experienced Engineer, sought after for design and execution of Electrical works, preparing comparative statements, constructing and maintaining preliminary estimation, project report, project planning and execution of project by giving necessary support to the site supervisors.