

102526-ELE-1MOS-E-2008

Electrical Maintenance Engineer

Holds a B. Sc. in Electrical Engineering and has about 10 years hands-on experience working in maintenance, operation, commissioning and start-up at New Talkha Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/05/1986
Gender : Male
Marital Status : Married
Residence : Mansoura

EDUCATION

: B. Sc. in Electrical Engineering, Mansoura University, 2008

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Field trainings:
- Gas turbine operation course SIEMENS V94.3A - Teleperm XP control system.
 - Training course in security of power plants.
 - CMI Energy + Skoda Praha HRSG on-job training.
 - ALSTOM Site operation training about I&C Steam turbine generator and auxiliaries.
- : Courses:
- Training for two months at East Delta Electricity Production Company.
 - Training course in 250MW Gas Turbine Operations (MDEPC).
 - Training course in HRSG and Steam Turbine Operation (MDEPC).
 - Training course in Electrical maintenance in MDEPC.
 - Training course in underground cable assembly and maintenance in MDEPC.
 - Training course in maintenance of emergency diesel generator in MDEPC.

- Training course in protection basics and cathode protection in MDEPC.
- Course in Requirements of Conversation English.
- Basic PLC Step 7 from (TUV) Technology Competency Center.
- Advanced PLC Step 7 from (TUV) Technology Competency Center.
- Training Course in Microcontroller Advanced Level 1.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2015 till now
- Employer** : Middle Delta Electricity Production Company
- Project** : New Talkha Combined Cycle 750MW
- Job title** : Electrical Maintenance Engineer
- Job Description** :
- Assigned to work as an Electrical Engineer in the operation and maintenance of Middle Delta Electricity Production Company. Job involves overhauling of GTGs, start-up of GT units, Troubleshooting, Maintenance of power plant equipments. Immediate return of operational status ensures maximum availability and reliability of power at all times. Also includes corrective/preventive maintenance and repair of various other electrical equipments.
 - Well aware of mechanical activities while over haul of generator rotor and stator on Gas Turbine Generators. Part of team during pull out and installation of generator rotor.
 - Assisted SIEMENS Engineers for the Major Inspection of generators. Work involves rotor pulling and installation, bearing installation, alignment, test and maintenance work of Rotor and Stator windings.
 - Well aware of Inspection of stator end windings, high voltage bushings, slot support system, ventilation ducts, retaining rings, fans, rotor body and exciter, neutral grounding transformer, GT Transformer, Aux Transformer, SFC transformer during each outage. Conducted the health and condition of generator stator by Polarization Index test.
 - Worked as an Electrical Technical Adviser for electrical equipments in power plant during Major Inspection, Hot Gas Path Inspection and Combustion Inspection of SIEMENS 94.3A turbines. Experience in working with Siemens Generators and auxiliary equipments.
 - Start-up and commissioning of MCCs, Generators, Exciters Motors, Transformers, Instrument air compressors, Medium and High Voltage switchgears and other electrical equipments in power plant.
 - Skilled in preparing and executing Electrical switching programs during shut down and start-up of power plant, HV motors, Transformer, medium and high voltage switchgear maintenances.
 - Monitoring of all generator control protections, AVR (Automatic Voltage Regulator) SYSTEM and troubleshoot if abnormalities or disturbance occurs during gas turbine operation.
 - Troubleshooting and maintenance of, emergency diesel generator, battery chargers and UPS.
 - Familiar with all mechanical and Instrument controls in power plant. Good knowledge in working with SIEMENS T300.

- Dates** : From Jun. 2012 till Aug. 2015
- Employer** : Middle Delta Electricity Production Company

Project : New Talkha Combined Cycle 750MW
Job title : Shift Charge Engineer
Job Description :

- Daily Reports for the normal Operation of Units.
- Co-ordinate between Operation Dep. & Maintenance Dep. to solve problems & fix faults.
- Troubleshooting, effective response to emergency conditions and compliance to safety procedures.

Dates : From May 2010 till Jun. 2012
Employer : Middle Delta Electricity Production Company
Project : New Talkha Combined Cycle 750MW
Job title : Field & Control Room Operator
Job Description :

- Participate in commissioning and start-up of ALSTOM (250MW) DKYZZ3-2N41C steam turbine.
- Participate in construction, commissioning, steam blow, by-pass operation and start-up of ALSTOM (250MW) and CMI HRSG.
- Steam Turbine Operator for ALSTOM (250MW).
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit start-ups and shutdowns per assigned targets.
- Troubleshooting, effective response to emergency conditions and compliance to safety procedures.

Dates : From Jan. 2009 till May 2010
Employer : Middle Delta Electricity Production Company
Project : New Talkha Combined Cycle 750MW
Job title : Field & Control Room Operator
Job Description :

- Participate in construction, commissioning and start-up of SIEMENS V94.3A gas turbine.
- Operation of 2x250MW SIEMENS V94.3A gas turbine - Teleperm XP control system - and associated auxiliary through DCS.
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit start-ups and shutdowns per assigned targets.
- Troubleshooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.