

100312-ELE-16MOS-E-2010
Electrical Maintenance Engineer

Holds a B. Sc. in Electrical Power & Control Engineering and has over 13 years experience working in maintenance, operation and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/01/1989
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Power & Control Engineering, Alexandria University, 2010

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Attending the GE training Course for Gas Turbine & Generator Operation for 2 weeks at the site of New West Damietta Power Plant (Jun. 2015).
- : Attending the GE training Course for GE EX2100 Generator Regulator & GPP Class for 5 days at the site of New West Damietta Power Plant (Dec. 2015).
- : Attending the GE training Course for Steam Turbine and Auxiliaries Operation for 1 month at the site of New West Damietta Power Plant (Jun. 2018).
- : Attending the training Course of Alstom Protection Relays Principle at New West Damietta Power Plant (Aug. 2015).
- : Attending the training Course of Alstom GIS Principle and Operation for week at the site of New West Damietta Power Plant (Sep. 2015).
- : Attending the Ansaldo Energia training Course for Steam Turbine Generator, AIR Cooled Condenser and Auxiliaries for 1 month at the factory of AE in Genoa, ITALY (Jan. 2017).
- : Attending the training Course of Schneider GIS & SAS Principle and Operation for two weeks at West Damietta Power Plant (Jun. 2013).

- : Attending the training Course of Schneider Electric medium & low voltage Switchgear Principle and Operation for 1 week at the site of New West Damietta Power Plant (Sep. 2015).
- : Attending the training Course of Schneider Electric Dry Transformers Principle and Operation for 2 days at the site of New West Damietta Power Plant (Sep. 2015).
- : Attending the Schneider Electric Training Course for DCS Operation and Control System for 1 month in Milano, ITALY.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2022 till now

Employer : AL-JAZIRAH CO. FOR TRADING and INDUSTRY

Project : MAINTENANCE & OPERATION Project for KING SAUD UNIVERSITY (KSU), RIYADH – KSA

Job title : Electrical Maintenance Engineer

Job Description : Assure safe and sustainable Operation of KSU Central Utility Service Complex as Electrical Maintenance Engineer:

- Medium Voltage Distribution Network 13.8KV.
- MAXIMO Computer Maintenance Management System.
- 4x16MW Gas Turbine (GE Frame 5).
- 6 Boilers for Hot Water System.
- Central Chiller System with Cooling Tower.
- Perform scheduled maintenance and preventative repairs on all electrical systems, equipment and machinery in line with workflows (MAXIMO).
- Provide prompt response to inquiries whenever there is breakdown, and resolve the issue quickly as possible.
- Ensure that equipments are in good working order so as to prevent disruption of activities.
- Installation of fresh electrical components and fittings.
- Working in collaboration with the production team to formulate the best cost-effective manufacturing process.
- Provide safe working environment for members of staff.
- Supervise electrical works when new projects are undertaken.
- Perform Commissioning and Testing for Medium Voltage new Projects Equipment (Switch Gear, RMU, Cables and Protection Relays).

Dates : From Dec. 2014 till Sep. 2022

Employer : EDEPC

Project : West Damietta Power Plant

Job title : Electrical Maintenance Engineer

Job Description : Assure safe and sustainable Operation of 1500MW WEST DAMIETTA POWER PLANT as Electrical Maintenance Engineer:

- 1 x 220KV GIS: Operating on (one & half) breaker scheme connecting and disconnecting (SF6 CB, Switches, and Earthing Switches) by HYUNDAI.
- 1 x 220KV GIS: Operating on (one & half) breaker scheme connecting and disconnecting (SF6 CB, Switches, Earthing Switches) by Alstom.
- Water treatment plant (RO-Demin-Potable-industrial waste).

- Instrument compressed air system by Atlas COPCO.
- 220KV/15KV, 15KV/6.6KV, 6.6KV/400V transformers.
- Medium voltage (6.6KV) substations and low voltage (400V) substations.
- Secure availability for battery chargers and battery system and perform any Weakly tests required for DC systems.
- Check & perform all isolation procedures and LOTO (lock out-tag out) to allow maintenance activity according to the work permit.
- Make daily reports and statistical reports for the overall plant.
- From Jan. 2017 till May 2018:
 - Attended Commissioning and Start-up Project of converting the Simple cycle of West Damietta Power Plant into Combined Cycle. The Project was to have four DOOSAN HRSGs and GE STEAM TURBINE 265MW (model D202).
 - Attended DOOSAN HRSG Hot Passivation and Steam Blow.
 - Attended SPIG Air-Cooled Condenser Commissioning and Hot Cleaning.
 - Attended Orascom Commissioning and Testing of BOP of the HRSG and Steam Turbine in the site.
 - Attended Commissioning and Testing of GE Hydrogen Cooled Generator (265MW).
- From Dec. 2015 till Jun. 2017:
 - Attended Commissioning and Start-up Project of converting West Damietta Power Plant from Simple cycle to Combined Cycle. The Project was to have four AC BOILER HRSG s and ANSALDO ENERGIA STEAM TURBINE 265MW (Model MT20).
 - Attended AC BOILER HRSG Hot Passivation and Steam Blow.
 - Attended Commissioning and Testing of ANSALDO ENERGIA Hydrogen Cooled Generator (265MW).
- From Jul. 2015 till Nov. 2015:
 - Attended Major Outage for the Hot Gas Path for Four GE Frame 9E Gas Turbine in West Damietta Power Plant 500MW.
- From Nov. 2014 till Jun. 2015 (Fast Track Project):
 - Attended Commissioning and Start-up Project of New West Damietta Simple Cycle Power Plant 500MW (4x125MW GE Gas Turbine Frame 9E).
- From May 2014 till Aug. 2014:
 - Attended Combustion Inspection (CI) and DLN 2.6 (Dry Low NOx Nozzles) for Four GE Frame 9E Gas Turbines in West Damietta Power Plant 500MW.

Dates : From Jan. 2011 till Nov. 2014

Employer : EDEPC

Project : West Damietta Power Plant

Job title : CCPP Shift Operation Engineer

Job Description : Assure safe and sustainable Operation of WEST DAMIETTA COMBINED CYCLE POWER PLANT 1500MW includes:

- 8x125MW Gas Turbine (GE Frame 9E).
- 1x265MW steam turbine D202 – GE.
- 4 x Horizontal HRSG – DOOSAN.

- 1x265MW Steam Turbine MT20 – ANSALDO ENERGIA.
- 4 x Horizontal HRSG – AC BOILER.
- Executing routine check on field equipment.
- Carrying out starting and shutdown sequences.
- Ensuring safe operation of the gas turbine and its auxiliaries.
- Rapid intervention in case a problem occurs.
- Ability to leading a team of shift supervisors & operators.
- 1 x 220KV GIS: Operating on (one & half) breaker scheme connecting and Disconnecting (SF6 CB, Switches and Earthing Switches) by HYUNDAI.
- 1 x 220KV GIS: Operating on (one & half) breaker scheme connecting and Disconnecting (SF6 CB, Switches and Earthing Switches) by Alstom.
- Water desalination plant (RO-Demin, MSF, Potable, MED & Industrial waste).
- Firefighting systems including (CO2 system, Deluge system, fm200, foam).
- Perform all isolation procedures and LOTO (lock out-tag out) to allow maintenance activity according to the work permit.
- Check & operate Emergency diesel generators.
- Assisting Maintenance staff as required.
- Observing the operation sequences of the units within the safe range of Operation due to the official vendor documents.

- Field of experience :**
- Hands-on experience in the operation of Power Generation Plant.
 - In-depth knowledge of safe handling practices of flammable gases, liquids and high-pressure systems.
 - Excellent decision-making skills and strong mechanical skills.
 - Transparency in reporting of production process problems, sharing of knowledge and lessons learned.
 - Follow instructions of safety rules to keep no injures to persons in the plant.