

104947-ELE-15MOS-E-2004
Operation & Maintenance Deputy Manager

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 12 years hands-on experience working in maintenance, operation and commissioning at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/12/1982
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Assiut University, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Successfully completed training about Saudi Electric Company (SEC) PERMIT TO WORK SYSTEM (PTW), Authorized receiver (5 Stars) PROCEDURES in PP#12, Saudi Arabia (Dec. 2016).
- : Successfully completed Working Safely course approved and validated by Institution of Occupational Safety and Health (IOSH) in association with PARSONS BRINCKERHOFF (ME) LTD by Mr. Charlie McLaughlin (Apr. 2015).
- : Successfully completed training about PERMIT TO WORK SYSTEM (PTW) And LOCK-OUT TAG-OUT (LOTO) PROCEDURES in BEMCO Training Center in PP#10, Saudi Arabia (Jul. 2012).
- : Successfully completed the training about Generator Maintenance and protection, Transformer maintenance, Excitation system and Motor Maintenance, in ALSTOM POWER SYSTEM Company Training Center in Germany, France (Jun./Jul. 2009).
- : Successfully completed training about Transformers Maintenance in Electrical Network Training Center, Giza, Egypt (15 days).

- : Successfully completed the training about Operation of Steam Power Plant, Operation of GT Power Plant in El-Kureimat Training Center, Egypt: the training includes all electric & mechanical information about all power plant types, all data about Siemens gas turbine, start-up & shutdown procedure, normal & emergency operation, troubleshooting, 6.3KV switch gear, 400 V load center, generator & transformer protection and diesel generator (from Mar. till Jun. 2007).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2016 till now
- Employer** : Arabian BEMCO Contracting Industrial Co.
- Project** : Riyadh Power Plant #12 (RPP 12), Saudi Arabia
(8 gas turbines frame (7FA.05) + Balance of the Plant and facilities for simple cycle GTG (MV/LV 13.8KV, 480V SWGRs, ASL unloading, treatment and forwarding, distillate unloading and forwarding, Fuel Gas system, EDG in addition to Air Compressors and fire water system as common systems)
- Job title** : RPP #12 Block #2 Combined Cycle Operation & Preventive Maintenance, Deputy Manager
- Job Description** :
- Over-all supervision of the three maintenance sections, Mechanical, Electrical and Instrument, in the power plant of a uniform and well-organized system of maintenance management planning and works control, equipment preventive maintenance, maintenance tools and consumables control, equipment spare parts control and monitoring, and equipment history cards control.
 - Preparation of the "Maintenance Activities Program" in daily coordination with the various Maintenance Groups and Shift leaders till the PAC.
 - Daily review of the "Daily Maintenance Activities Program" in daily coordination with the Operations Charge Engineer and all Senior Maintenance Engineers of the Company.
 - Review of each maintenance section's requisition of spare parts, tools, consumables, and others which are to be used in the Maintenance Department of the Company.
 - Coordinate with the warehouse Section and Planning Engineer of the Company regarding the continuous availability of spare parts and consumables to ensure a high degree level of equipment maintenance.
 - Insure of the strict observation of the plant's safety rules and regulations by all.
 - Responsible to direct and supervise the Operation organization until of RPP #12 Block #2 Combined Cycle.
 - Coordinate with SEC (Owner) operation team and Grid Control.
 - Ensure that Operation and Maintenance are carried out in accordance with the CCPP12 Safety Rules and in Safe manner.
 - Report the Incident / Event / Failure Reports of systems and/or equipment by ensuring that Facts are correctly and completely reported to Project Management.
 - Monitor the implementation of the CCPP12 Project Commissioning Safety Rules and advice of any problems that may arise.
- Dates** : From Apr. 2014 till Sep. 2016
- Employer** : Arabian BEMCO Contracting Industrial Co.

- Project** : Riyadh Power Plant #12 (RPP 12), Saudi Arabia
(8 gas turbines frame (7FA.05) + Balance of the Plant and facilities for simple cycle GTG (MV/LV 13.8KV, 480V SWGRs, ASL unloading, treatment and forwarding, distillate unloading and forwarding, Fuel Gas system, EDG in addition to Air Compressors and fire water system as common systems)
- Job title** : RPP #12 Simple Cycle and BOP Operation/CTA, Deputy Operation Manager
- Job Description** :
- Responsible to direct and supervise the Operation organization until the Final Acceptance Certificate (FAC) of the simple cycle and BOP.
 - Represent the contractor with regard to all technical and safety Issues related to the Operation of simple cycle and BOP Operation/CTA.
 - Coordinate with SEC (Owner) operation team and Grid Control.
 - Coordinate the various Operations, Commissioning & Maintenance groups.
 - Supervise the work of the Shift Charge Engineers and CTA Lead Engineer.
 - Supervise the work of Clearance and Tagging Authority CTA.
 - Ensure that Operation and Maintenance are carried out in accordance with the CCPP12 Safety Rules and in safe manner.
 - Review and approve the Incident / Event / Failure Reports of systems and/or equipment by ensuring that facts are correctly and completely reported.
 - Liaise with the SEC/PB at site regarding fuel/ water supply, power generation network access and all other services to be provided by the Owner for Operation.
 - Monitor the implementation of the CCPP12 Project Commissioning Safety Rules and advice of any problems that may arise.
 - Monitor all O&M activities ensuring both technical satisfaction and safe conduct.
- Dates** : From Oct. 2012 till Apr. 2014
- Employer** : Arabian BEMCO Contracting Industrial Co.
- Project** : Qurayyah Combined Cycle Power Plant, Saudi Arabia
The project consists of 15 HRSG Vertical type (exhaust flow gases from 15 gas turbines GE frame 9FE and control system is Mark Vie) + 5 steam turbine GE + Demin & Remin water plant + Hypocolorinatin plant.
- Job title** : Electrical Engineer in Maintenance & Operation department for Project "C"
- Job Description** :
- Preventive maintenance activities of electrical equipment's as per periodical schedule.
 - Coordinating and support for our construction and commissioning works and doing necessary coordination with client to carry out our job in smoothly and quickly.
 - Coordinating with client to get work permits and doing necessary isolation and normalization of electrical system according to the PTW/LOTO system in order to perform the work in safety way and without any disturbance of operational system.
 - Work Permit Issuer in Clearance and tagging authority (CTA) according to the PTW/LOTO system.

Dates : From Jun. 2012 till Oct. 2012
Employer : Arabian BEMCO Contracting Industrial Co.
Project : Riyadh Power Plant #10 (RPP#10), Saudi Arabia
 (Block "C-1" 8 gas turbines frame (7EA) + BOP)
Job title : Electrical Engineer in Maintenance / CTA & Operation department
Job Description :

- Preventive maintenance activities of electrical equipment.
- Coordinating and support for our construction and commissioning works and doing necessary coordination with client to carry out our job in smoothly and quickly.
- Coordinating with client to get work permits and doing necessary isolation and normalization of electrical system according to the PTW/LOTO system in order to perform the work in safety way and without any disturbance of operational system.
- Work Permit Issuer in Clearance and tagging authority (CTA) according to the PTW/LOTO system.
- Take regulatory action, based on readings from charts, meters and gauges, at established intervals.
- Maintain safe and healthy work environment by following and enforcing standards and procedures; complying with legal regulations.
- Fast acting in emergency cases.

Dates : From Feb. 2007 till May 2012
Employer : Upper Egypt Electricity Production Company
Project : EL-KUREIMAT (II) POWER STATION COMBINED CYCLE 750MW, Egypt
 It was a new plant. Erection started on 2005 based on the following:

- 2 Gas Turbines V94.3A, 250MW SIEMENS, TELEPERM XP control system.
- 1 Steam Turbine, 250MW (HITACHI), MARK (VI) control system.
- 2 Heat Recovery Steam Generation (CMI SKODA – BELGIUM).
- 1 Water Treatment Plant (Demi and Potable) and water intake.
- The plant is controlled via EMERSON –WDPF DCS control system.
- High voltage substations SIEMENS 220KV GIS (gas insulated switch yard), 1.5 CB arrangements.
- The switch yard contains connections of (6 generators, 8 outgoing & 6 power transformers).

Job title : Electrical Maintenance & Protection Engineer
Job Description :

- Testing and Protection Engineer for SIPROTEC – Numerical Protection Devices of generator, transformer, medium voltage and high voltage substations (since 15/9/2009).
- Maintenance of Generator, Excitation system and static frequency converter (SFC) of SIEMENS gas turbine generators.
- Testing of 6.3KV medium voltage and high voltage SF6 Circuit breakers (DC resistance and C.B analyzer).
- Testing of Power Transformers, Current Transformers, Voltage Transformers and Distribution Transformers.
- Uninterrupted power supply (UPS), batteries chargers, Batteries maintenance and DC Switchgear.
- Maintenance of motors, MCC and load center.
- GIS tests (SO2 – HF – Dew point).

- Contact resistance measurement for CB.
- DC resistance measurement for transformer.
- All maintenances for batteries.
- Prediction maintenance by thermal scan camera for transformer, motor and all outdoor electrical networks.
- Responsible for the safe and proper operation of a power plant.
- Fast acting in emergency cases.

Dates : From Jul. 2005 till Feb. 2007
Employer : Surnaga Factory for Ceramic, Egypt
Job title : Electrical Maintenance Engineer
Job Description : Maintain all electrical equipment's inside the factory as:

- Low voltage motors.
- Electrical panels of low voltage.
- Motors control centers and automatic control, PLC.
- Low voltage transformers.
- Switch gears.

Dates : From Jan. 2005 till Jun. 2005
Employer : El Sondos Co., Egypt
Job title : Sales Engineer
Job Description : Electrical and mechanical trading.