

Holds a B. Sc. in Electrical Power Engineering and a Postgraduate Diploma in Information Systems.
Has over 15 years hands-on experience working in operation, start-up and protection.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/06/1983
Gender : Male
Marital Status : Single
Residence : Mansoura

EDUCATION

- : B. Sc. in Electrical Power Engineering, Mansoura University, 2005
- : Postgraduate Diploma from FCI (Faculty of Computers Science and Information Systems), Mansoura University, 2010

LANGUAGES

Arabic : Native Language
English : Good
German : Fair

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Trainings at Talkha Power Plant:
 - 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.
 - Participate in steam blow of CMI Energy + SKODA PRAHA HRSG.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2012 till now
Employer : Middle Delta Electricity Production Co.
Job title : Electrical Protection Engineer

- Job Description** :
- Generator:
 - Do all commissioning and start-up tests for SIEMENS generator type TRLI 115/52 as:
 - Megger test.
 - Hi-pot test.
 - DC resistance test.
 - Protection relay test (SIEMENS, SIPROTEC 7UM6, MICOM P434).
 - Power transformer tests:
 - Dismantle power transformer like AREVA -313MVA and erection HYUNDAI power transformer (340MVA).
 - Do all commissioning and start-up tests as:
 - For current transformers:
 - Current transformer saturation test, resistance test & polarity test.
 - Core insulation Megger test.
 - For power transformer:
 - Megger test.
 - TAN Delta test.
 - DC resistance.
 - Protection relay test (GE protection relay T60, T35, L90, MIFII).
 - Mechanical protection devices (Buchholz relay, pressure relief, sudden pressure).
 - MV switchgear (6.3KV) tests:
 - Protection relay test (SIEMENS, SIPROTEC 7SJ6, 7UT3).
 - Timing of circuit breaker (6.3KV, 11KV).
 - DC resistance.
 - Building, installation & maintenance:
 - LV distribution panel.
 - Power factor correction panel.
 - Motor control center (MCC).
 - Automatic transfer switch (ATS).
 - Commissioning & start-up for diesel engine generator set.
 - Installation & start-up (AC drives, soft starter).
 - Installation & start-up measuring devices, like flow meters, temperature controller.
 - Building, installation & maintenance: control panel using process controller & DDC.

Dates : From May 2011 till May 2012

Employer : Middle Delta Electricity Production Co.

Job title : 1st Shift Charge Engineer

- Job Description** :
- Act as first response to emergency situations, take appropriate steps to stabilize the problem as much as possible, perform daily routine check and communicate with NCC to control the loads so as to face the Load Demand.
 - Responsibilities:
 - Review the Piping and Instrumentation Diagrams & Engineering documents.
 - First start-up for HP & LP feed water pumps.
 - First fire for HRSG.

- Steam blow.
- Start-up and shut down HRSG.
- Assist in tuning control valve.
- Reliability test.
- Performance test.

Dates : From May 2008 till May 2011

Project : New Talkha Power Station 750MW Combined Cycle
(2x250MW SIEMENS V94.3A Gas turbine and 1x250MW ALSTOM Steam Turbine)

Job title : Shift Charge Engineer

Job Description :

- Monitor plant performance to ensure safe & smooth day-to-day operation.
- Responsible for regular inspection of equipment's (pumps, compressors, turbine, bearing, Boiler lines).
- Adjustment values and take analyzing log reading (temperature, pressure, levels, motor current) & report any anomalies noticed.
- Participate in construction, commissioning and start-up of SIEMENS V94.3A gas turbine.
- Participate in construction, commissioning, steam blow, By-pass operation and start-up of ALSTOM (250MW) steam turbine and CMI HRSG.
- Operation of SIEMENS V94.3A (2x250MW) gas turbine, CMI HRSG and ALSTOM DKYZZ3-2N41C (250MW) Steam Turbine and associated auxiliary through DCS.
- Performing the unit start-up and shutdown as per assigned targets.
- Troubleshooting, effective response to emergency conditions and compliance to safety procedures.
- Raising defects for equipment & doing isolation and de isolation procedures according to the work permit.
- Perform high/medium voltage switching operations.
- 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.
- Diagnose and resolve day-to-day operational problems.
- Handling plant fire fighting.

Dates : From Jan. 2007 till May 2008

Employer : KAHROMIKA (Misr Company for Electrical and Mechanical Projects) Company, SKODA PRAHA

Project : TALKHA Combined Station 750MW

Job Description :

- Technical Office Engineer:
 - Preparation the progress of cable tray & conduit & pulling cable and termination.
 - Preparation details and documentation of electrical part.
 - Erection DCS Panels.
 - Receiving materials and check its quantities as per drawing.
 - Follow up the fabrication and erection at site.
 - Finish all punch list items related to the work.

- Planning / Scheduling:
 - Obtaining schedule information from designers, sub-contracts and key suppliers.
 - Prepare invoices.
 - Prepare all documents of drawing and its material requisition.