

102201-MEC-1OS-E-2010

Commissioning & Operation Engineer

Holds a B. Sc. in Mechanical Engineering and has over 11 years experience working in operation of steam power stations (boiler, turbine and auxiliaries) and is familiar with the operation of hydrogen production plants and witness the performance tests of the plant (2650MW). Also, familiar with preparation, follow up & operation for fuel system (from tanks to burners).

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2010

LANGUAGES

Arabic : Native Language
English : Fluent
French : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: ABB 800XA DCS
: DIASYS Netmation DCS
: Logic and P&ID reading
: AutoCAD 2D & 3D
: Matlab
: PLC & Scada Simatic 300 & 40

TRAINING COURSES AND CERTIFICATIONS

: Mitsubishi on-job training.
: Commissioning of power plants at Abu Qir Training Center.
: Training at Alamria Egyptian Petrochemicals.
: Power Station performance and operation.
: Thermal power station troubleshooting
: Multi Effect Distillation Performance and heat analysis.
: DCS control system.

- : Introduction to hydraulic circuits.
- : Sealing of rotary equipments.
- : Car troubleshooting.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2011 till now
- Employer** : West Delta Electricity Production Co.
- Project** : Abu Qir Thermal Power Plant (2x650MW)
- Job title** : Commissioning & Operation Engineer
- Job Description** :
- 11 years in Thermal steam turbine Generator power plants operation (5 years turbine, 3 years boiler, 2 years auxiliaries).
 - Ability for Operating and Carrying out and Continuity for Supercritical Boiler and Supercritical Boiler Auxiliaries.
 - Boiler:
 - Ability for Making Start-up and Shut Down for steam Boiler.
 - Preparing and put in service all Boiler Systems.
 - Air and Flow Gas System - GAH, FD Fans, GR Fans, S.C.A.H (Steam Coil Air Heater), cooling fans & booster fans to be continued...
 - Water system - SUBFP (Start-up Boiler Feed Pump), BFPT (Boiler feedwater turbine pump).
 - Fuel System - Both Kind of Fuel Natural Gas and Mazut Oil.
 - Soot Blower System.
 - Maintaining Process stability and continuity for Boiler parameters.
 - Managing Boiler Fuel Firing Using Ansaldo System for BMS.
 - Burner Management System.
 - Monitoring for Boiler Process and Parameters.
 - Ability for Preparing Boiler for Initial Firing Test.
 - Ability for Preparing Boiler for Steam Blowing Test.
 - Turbine System:
 - Bringing all turbine systems from dead condition to full load.
 - Preparing vaccum and all oil systems.
 - Observing conditions and dealing with all situations.
 - Routine poretiction tests and valve test.
 - Boiler & Turbine Auxiliaries:
 - Ability for Preparing and put In Service All Pumps Service Pump, Circulate Pump, Closed Cooling Pump, Condensate Pump, BFPT (Boiler Feed Pump Turbine), SUBFP (Start-up Boiler Feed Pump).
 - Ability for Preparing and Put in Service Air Compressors.
 - Making All Test for Boiler Auxiliaries.
 - Reliability test.
 - Performance Test.
 - All Run Back FD Fan, GAH, Test Condensate Pump, BFPT (Boiler Feed Pump Turbine, circulate Pump).
 - Load Rejection Test.
 - House load Test.
 - Hydrogen Production Station: Operation of Hydrogen Station & Charge the Generators with Hydrogen.