

102420-ELE-1OS-E-2007
Operation & Commissioning Engineer

Holds a B. Sc. in Electronics & Communications Engineering and has over 9 years hands-on experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/08/1985
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electronics & Communications Engineering, Assiut University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: MATLAB, ORCAD and L-EDIT programs

TRAINING COURSES AND CERTIFICATIONS

: Course in mobile communication (GSM) from Assiut University.
: Course in computer networks (LAN) from Assiut University.
: Course in Mobile communication (CDMA).
: Training at Assiut Oil Refining Co. (ASORC).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2014 till now
Employer : Doosan Heavy Industries & Construction Company
Project : EL AIN EL SOKHNA Thermal Power Plant (2x650MW)
Job title : Operation & Commissioning Engineer
Job Description :

- Pre-commissioning and commissioning of 2x650MW units (Boiler 1 & 2).
- Performing the Heat Run tests and solo test for all pumps and motors.
- Preparation of pre-commissioning systems and detailed procedures for

flushing, blowing, lube oil systems flushing, chemical cleaning, leak test, inerting, etc.

- Supervising the operation of boiler auxiliaries during steam blowing out procedure.
- Preparing, installing and testing all boiler performance test equipments (pressure and flow transmitters, thermocouples, data acquisition system, flue gas sampling system, flue gas analyzers, etc.).
- Operating and supervising the boiler operation during commissioning period (all boiler start-ups, boiler fuel changes, auxiliary equipments, etc.).
- Scheduling and monitoring of reliability test runs and performance tests.
- BOP pre-commissioning:
 - Issuing site test procedures for: Boiler feed water pumps, Service air compressors, Turbine emergency and stand by oil pumps, Condenser Vacuum up, Secondary condensate pumps, Ground water pumps.
 - Instruments loop check.
 - BOP Interlocks test (BFP, CP I, CP II, Ejectors, SCP, etc.).
 - Main condensate and feed water system flushing.
 - Performing the Heat Run tests for: Boiler feed water pumps, Condensate pumps stage I and II, Cooling water pumps, Emergency and Stand-by oil pumps, Drain water pumps, Ground water pumps.
 - Supervising the operation of turbine auxiliaries during steam blowing out procedure.
 - Performing Condenser Vacuum Up test.

Dates	:	From Aug. 2008 till Jan. 2014
Project	:	Assiut Thermal Power Plant (2x312MW)
Job title	:	Operation Engineer (Turbine, Boiler & Auxiliaries)
Job Description	:	<ul style="list-style-type: none">• Responsible for preparing the different thermal power plant systems:<ul style="list-style-type: none">- Steam turbine and generator and their auxiliaries.- B&W boiler and auxiliaries.• Operating Systems during start-up and shutdown and also diagnosis machines parts fault in normal Operation.• Deal with DCS Control system for plant operation.• Start-up and shut-down procedures for thermal power plant 2x312MW (Cold, Warm, and Hot Start-up and normal or emergency shut-down).• Turbine & Auxiliaries operation (Toshiba & Ansaldo). And reporting the equipment condition during normal operation.• Boiler & Auxiliaries operation (Mitsubishi & Ansaldo) and reporting the equipment condition during normal operation.• Testing and changing-over for all Mechanical equipment locally and from control room (good dealing with hydrogen production plant and all mechanical equipment).• Making connection and disconnection for electrical circuits of 220KV, 6.3KV, 380V and operation of electrical diesel generators.• Good command with (Toshiba & Bailey) control system, Control station and Monitors.• Making daily technical reports about the unit's abilities & efficiencies.• Very good dealing with fire fighting system (water system, foam system

- and powder system locally and alarms control panel).
- Good dealing for industrial safety requirements.
- Deal with diesel generator and their maintenance.

- Project** : El-Kureimat Combined Cycle Power Plant 2x750MW
- First module: 2x250MW Siemens gas turbine / 2 HRSG – Skoda-CMI / 1x250MW Hitachi steam turbine
 - Second module: 2x250MW GE gas turbine / 2 HRSG – Antik-CMI / 1x250MW Alstom steam turbine (TRAINING)
- Job title** : Operation Engineer (Turbine, Boiler & Auxiliaries)

Technical Skills:

- Good user for VHDL language.
- Familiar with FPGA (field programmable gate array).
- Familiar with L-Edit program.
- Familiar with Computer Network LAN.
- Familiar with PLC control.