

101663-ELE-1OS-E-2011

Start-up & Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 5 years hands-on experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Helwan, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2011

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: DIALUX software for indoor and outdoor lighting design

TRAINING COURSES AND CERTIFICATIONS

: PLC (level 1).
: AutoCAD
: GE Energy Training.
: Cairo North Combined Power Plant.
: 500KV & 200KV GIS Training.
: Jobsite Training Program for Operation of Tie Transformer.
: ANSALDO Training Center.
: STF Training (HRSG).
: Summer trainings at:

- South Cairo Power Station (2007).
- Petro Gulf Company (2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2017 till now
Employer : Ansaldo Energia

Project : El-Shabab Power Plant
Job title : Start-up & Commissioning Engineer
Job Description : Responsible for the start-up and commissioning of 2x250MW Ansaldo steam turbine:

- 2x250MW steam turbine controlled by symphony plus (ABB).
- Using Air Cooled Condenser (ACC) system (capacity 35 fans).
- Perform the first start-up and commissioning for motors and pumps.
- Make the tests for steam turbine (Full stroke test - Partial stroke test - Vacuum test - tightness test - load rejection test - house load test - over speed test - performance test).
- Perform the first start-up for steam turbine.
- Cooperate with another contracts to start the combined cycle power plant.
- Responsible for the safe operation of steam turbine.
- Prepare the daily performance reports.
- Cooperate with maintenance departments for troubleshooting.
- Issuing the work permits for maintenance to ensure the safety for personnel and equipment.

Dates : From Feb. 2013 till Sep. 2017
Project : Giza North Power Plant
Job title : Control Room Operator & Field Operator
Job Description :

- Responsible for the safe operation of 3x750MW combined power plant including:
 - 6x250MW GE MS-9FA Gas Turbine controlled by Mark VIe Combined with 6 Heat Recovery Steam Generator.
 - 3x250MW ANSALDO steam turbine.
 - GIS 500 KV, GIS220KV.
 - Understand and respond accordingly various alarm and process conditions.
 - 6.3KV switchgear 400 V switchgear for low Voltage Equipment.
 - Read meters and gauges or automatic recording devices at specified intervals to verify operating.
 - Read and understand technical manuals and system piping and instrumentation diagrams.
 - Read, understand, and ensure compliance with all plant safety and regulatory procedures
 - Perform the required weekly and monthly tests.
 - Cooperate with maintenance departments for troubleshooting.
 - Prepare the daily performance reports.
 - Issuing the work permits for maintenance to ensure the safety for personnel and equipment.
 - Reporting to Shift Engineer for all malfunctions of equipment, instrumentation, and modification of process parameter.
 - Ability to read and interpret documents such as safety rules, operating and maintenance instructions and procedure manuals.
- Attend the start-up of the project of power plant.
- Supervising gas turbine testing including (First Fire - Unloading test - load rejection test - Island test).
- Supervising steam turbine testing (ANSALDO).
- Supervising HRSG testing (STF).

- Performance tests required to start the power plant and auxiliary equipment.
- Reviewing the mechanical and electrical installation.
- Oil, air and water piping flushing.
- Balance of Plant commissioning: Reviewing Site test procedures for air compressors, Closed Cooling Water pumps, Service Water pumps.
- Supervising circuit breaker tests - power transformer tests - current and voltage transformer tests - lightning arrestor tests.
- Service and Instrument Air Compressors.