

104023-ELE-1OS-E-2010

Control Room & Field Operator

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 8 years hands-on experience, including 5 years working as Control Room & Field Operator at Giza North Combined Cycle Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/03/1988
Gender : Male
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2010

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : On-shore GE Training, Giza, Egypt (operation training) (Feb./Mar. 2013):
Comprehensive training for GT 9FA DLN 2.6+ start-up, operation and shut down including:
 - P&ID Reviewing and Studying for all mechanical systems.
 - Case Studies for GE's previous experiences.
 - DLN 2.6+ Firing stages.
 - Model Base Control (MBC).
- : STF S.p.A Training, Giza, Egypt (operation training) (Sep. 2014):
Comprehensive training for six units of HRSGs including:
 - HRSG engineering fundamentals and design.
 - Pressure parts and vessels.
 - Codes and standards.
 - HRSG lay out and equipment.
 - HRSG operation activities, logic and control.
- : Cairo North Combined Power Plant, Egypt (Combined Power Plants Operation and Maintenance Training) (from Mar. till Jun. 2013):
 - Combined power station theory.
 - Gas turbine theory (Main components – Operation systems).

- Steam turbine theory (Main components – Operation systems).
 - Instrumentation and measurements at power stations (Sensors – Transmitters – Gauges).
 - Pumps (Classification – Operation – Maintenance).
 - Compressors (Classification – Operation – Maintenance).
 - Valves (Classification – Operation – Maintenance).
 - Electrical machines (Motors – Generators – Switch Gears).
 - Heat Recovery Steam Generators (Main components – Construction concepts – Operating – Maintenance).
- : YOCOGAWA Training Center, Bahrain (Operation Training):
- Construction, Components of DCS Software.
 - Alarms, Trends(Long - Short) and Historical Events.
- : HYUNDAI Heavy Industries Co., Giza, Egypt (Operation Training for GIS 220KV) (Mar. 2014):
- Comprehensive training for GIS 220KV including:
- SLD Reviewing and Studying for C.Bs, disconnect switches, earth switches, ...etc.
 - Design considerations for all electrical circuits.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2013 till now
- Employer** : Cairo Electricity Production Co.
- Project** : Giza North Combined Cycle Power Plant
- Job title** : Control Room & Field Operator
- Job Description** :
- Main duties performed:
 - Operate and Monitor Power Plant Systems (Turbines, HRSGs and Aux.) and ensure proper procedure.
 - Make routine checks on equipment and report shift team leader for abnormal conditions and suggest solutions for problems.
 - Responsible for:
 - 6x250MW GE 9FAgas turbine and its auxiliary systems including start-up, shutdown, monitoring operation to ensure safety and quality.
 - Operate and monitor with oils (Lube, Lift, Seal,), water (Feeding, Cooling,), Natural Gas (pressure, Temp.) and Liquid Fuel.
 - Dealing with LCI starting system and Excitation System.
 - Responsible for:
 - 6 STF type Heat Recovery Steam Generation (HRSG) including start-up, shutdown.
 - Operate and monitor with different pressures (HP, IP and LP), temperatures and flow to stabilize the performance during trip cases.
 - Make the necessary supervision on DCS and Field to ensure the perfect operation of BOP include air compressors (instrument – service), Closed Cooling Water pumps, Service Water pumps, Circulating Water Pumps, HP/IP and LP Feed Water Pumps, Condensate Water Pumps and others.
 - Can deal with PIDs, SLDs, charts, meters and gauges to get the proper operation for each unit.

- Operate and monitor with different types of Heat Exchanger, strainers, relief and safety devices.
- Responsible for:
 - 500KV and 220KV Gas Insulated Switchgear (GIS) connecting, disconnecting and monitoring electrical circuits to stabilize the operation of 500KV and 220KV GIS.
 - Can deal with software errors, electrical troubles and circuit trips.

Dates : From Aug. 2010 till Jan. 2013
Employer : True Value for Electromechanical Works Company, 6th October City
Job title : Design & Supervising Engineer
Job Description :

- Make electrical designs (lighting, power, fire alarm, ...etc.).
- Supervise electrical works.