

102539-ELE-1OS-E-2009

Power Plant Field Operation Engineer

Holds a B. Sc. in Electrical Power Engineering and a Diploma of protection of Power Networks. Has over 10 years hands-on experience working as Shift Charge, Field & Control Room Operator at Power Stations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/09/1986
Gender : Male
Marital Status : Married
Residence : Currently UAE

EDUCATION

: B. Sc. in Electrical Power Engineering, Mansoura University, 2009
: Diploma in protection of Power Networks, 2013

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

: New Talkha Combined Cycle Power Plant 750MW:

- Components and Gas turbine operation course for SIEMENS V94.3A.
- High and medium voltage (500/220/6.3KV).
- Gas turbine operation course SIEMENS V94.3A - Teleperm XP control system using simulator system.
- Gas turbine operation course SIEMENS SPPA - T3000 using simulator system.
- Alstom Steam turbine operation 250MW using simulator system.

: Training course in security of power plants.
: Microcontroller architecture and programming (PIC & Atmel).
: PLC structure and programming using ladder, FBD, SFC.
: Introduction of Microsoft Visual Studio 2005.
: Human Resources.

- : ICDL certified (Jul. 2009).
- : AutoCAD 2D (Nov. 2009).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2018 till now
Employer : Dubai Electricity and Water Authority (DEWA), UAE
Job title : Power Plant Field Operation Engineer
Job Description : Guarantee continuous operation for all machines and process devices for D station power and multi stage flashing desalination plant including:

- 3 Siemens GT Units 154MW V94.2 with its 3 Supplementary Firing (Duct Burner) and Forced Circulation (NEM) WHRB to operate 3 (FRANCO TOSI) Extraction ST units 75MW with its MSF Water Desalination Unit.
- 5 (MITSUBISHI) ST units 68MW Power Station with its MSF Water Desalination Plant.
- Water Treatment Plant.
- Sea Water Intake and Marine Growth Preventing System (MGPS).

Dates : From Dec. 2015 till Dec. 2017
Employer : Middle Delta Electricity Production Company
Project : New Talkha 750MW Combined Cycle Power Station
Job title : Shift Charge Engineer
Job Description :

- Operation of (2x250MW) SIEMENS V94.3A gas turbine-Teleperm XP control system and upgraded to SPPA-T3000 system and associated auxiliary through DCS.
- Operation of two CMI Heat Recovery Steam Generators through OV010_WIN Ovation windows system.
- Operation of ALSTOM (250MW) DKYZZ3-2N41C steam turbine.
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit start-ups and shutdowns per assigned targets.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.
- Raising defects for equipment & doing isolation and de-isolation procedures according to the work permit.
- Perform high/medium voltage switching operations.
- Handling plant firefighting.
- Operate through DCS based consoles in line with company's Standard Operating Procedures.
- Supervisory duties require supervision, training, and directions to field operators in performing their jobs.

Dates : From Dec. 2013 till Dec. 2015
Employer : Middle Delta Electricity Production Company
Project : New Talkha 750MW Combined Cycle Power Station
Job titles : Control Room Operator / Field Operator

Job Description : • From Jun. 2015 till Dec. 2015 (Control Room Operator): Operation of ALSTOM steam turbine through DCS.

• From Dec. 2014 till Jun. 2015 (Control Room Operator): Operation of two CMI HRSG through OV010_WIN Ovation windows system.

• From Jun. 2014 till Dec. 2014 (Field Operator): Operation of Alstom steam turbine and associated Auxiliary systems, such as:

- Circulating Water system.
- Condensate water system.
- Vacuum System.
- Gland steam system.
- Lube Oil & Hydraulic system.
- Water Box system.

• From Dec. 2013 till Jun. 2014 (Field Operator): Operation of two CMI HRSG (360 T/H), Auxiliary and pipe Rack, which including:

- LP, IP, HP Circuits.
- Hp Bypass & Ip Bypass.
- Blow-Down system.
- Preheater Recirculating pumps.
- HRSG Conservation with N2.
- Feed Water Tank.
- HP/IP and LP FW pumps.
- MCC.

Dates : From Aug. 2011 till Dec. 2013

Employer : Middle Delta Electricity Production Company

Project : New Talkha 750MW Combined Cycle Power Station

Job title : Control Room Operator

Job Description : Operation of Gas turbines SIEMENS V94.3A and associated Auxiliary systems using Teleperm XP and upgraded to SPPA- T3000 system.

Dates : From Dec. 2010 till Aug. 2011

Employer : Middle Delta Electricity Production Company

Project : Nubaria Power Station Combined Cycle 2x750MW

Job title : Field Operator

Job Description : Operation of Four Gas turbines V94.3A and associated Auxilliary systems, such as:

- Air Intake System.
- Lube Oil System.
- Closed Cooling Water System.
- Hydraulic Oil System.
- Pneumatic System.
- Fuel Oil System.
- Fuel Gas System.
- Demi-Water System.
- Denox Water System.
- Diverter Damper System.
- Generator & SFC.
- HV & MV System.

Dates : From Feb. 2010 till Dec. 2010
Employer : Middle Delta Electricity Production Company
Project : Nubaria Power Station Combined Cycle 2x750MW
Job title : Field & Control Room Operator
Job Description :

- Operation of Air, Gas isolated switchyard (AIS, GIS).
- Coordinate with the control centers to achieve the stability of the electric grid.