101609-ELE-O-E-2006
Electrical Operation Engineer

Holds a B. Sc. in Electrical Power Engineering and has over 7 years hands-on experience, including 6 years in operation of El-Kureimat Thermal Power Station.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	25/08/1984
Gender	:	Male
Marital Status	:	Married
Residence	:	Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power Engineering, Helwan University, 2006

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D
: Lighting programs (Calclux & Dialux)
: Empac applications

TRAINING COURSES AND CERTIFICATIONS

: English (self study).
: Studying in automatic control circuit.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2007 till now
Project : El-Kureimat Thermal Power Station (2x627MW)
Job title : Field Operator & Control Room Operator
Job Description :

- Operating two units (2x627MW), each unit contains:
  - Boiler (B&W); Forced Draft Fan, Natural circulation of feed water and fuel is natural gas or mazout.
  - Turbine (GE) with control system (Mark V speed tronic).
  - Unit control system with (WDPF DCS).

- Water treatment plant (Lurgi Bamag).
- Fire Fighting systems (Foam, FM 200, water…. etc.).
- Air conditioning systems.
- Pumps, compressor, heat exchanger and fans.
- Diesel Generator (2x1280KW).
- Transformers: 500KV/23KV - 500KV/220KV - 23KV/6.3KV - 6.3KV/0.4KV - Electric Generator (811,200 KVA - 23KV - 50Hz - stator cooling with deminerlizer water - rotor cooling with hydrogen) - electric motors breakers - UPS-batteries.
- Hydrogen generation plant.
- Hydraulic systems and lubrication system for different equipments.

- Control Room (Disk Operator):
  - Responsible for the safe start-up, safe operation and safe shut down for units.
  - Following proceeding for turbine cold and hot start-up.
  - Following proceeding for boiler cold and hot start-up.
  - Perform daily and weekly testing for system, monitor operation condition for the unit during normal operation.
  - Monitor turbine condition during normal operation through MARK V system.
  - Monitor boiler condition during normal operation through DCS system.
  - Following proceeding for unit (turbine, boiler and axillaries) shut down.
  - Following proceeding for unit load increasing and decreasing according dispatcher requirements.
  - Perform main turbine warm up.
  - Prepare and write equipment work requests in the EMPAC program.
  - Perform isolation and safety tag out of equipment.
  - Issue the maintenance requests and follow up the executing work permits with the maintenance team.

Dates : From Nov. 2006 till Nov. 2007

Employer : EGICO Engineering Consultant Office

Job title : Design Engineer

Job Description : The scope of our electrical works included the following activities:

- Power supply and distribution scheme.
- Low voltage distribution network (Telephone network, Master antenna television network, Sound system, Fire alarm network).
- Lighting systems including outdoor and indoor lighting.
- Emergency generator and emergency distribution network.