

100074-MEC-O-E-1992
Senior Operation Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 16 years hands-on experience mainly in operation of Damanhour Combined Cycle Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 09/01/1969
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 1992

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2008 till now
Employer : West Delta Electricity Production Company (WDEPC)
Project : Damanhour Combined Cycle Power Plant
Job title : Senior Operation Engineer
Job Description :

- Supervision of 4 Heat Recovery Steam Generators (HRSG) 4x50 tons/hour (manufacturer: NEM – Netherlands) operation.
- Supervision of one Steam Turbo Generates 58MW (manufacturer: GE) operation.
- Supervision of balance of plant (BOP) operation.
- Supervision of Distillate Treatment unit.
- Supervision of 4 gas turbines (4x25MW, Hitachi) operation.
- Supervision of control system (DCS, Mark II and Mark V) operation.
- Supervision of transformers, switches, electrical system and 220KV network operation.
- Preparation of daily power station reports and calculations.
- Coordination with other departments like Nation Control and T & D for Isolation and Normalization of 220KV Transmission Lines.

Dates : From Jul. 2006 till Apr. 2008
Employer : West Delta Electricity Production Company (WDEPC)
Project : Damanhour Combined Cycle Power Plant
Job title : Turbine Maintenance Engineer
Job Description :

- Proceeding combustion inspection.
- Proceeding hot gas inspection.
- Proceeding major overhaul inspection.
- Construction and commissioning of off-base cooling water system for gas turbine (4x25MW).
- Traveling to ITALY to commissioning the upgrade of operation system for DCS from OIS40, OIS41 to PGP.

Dates : From Mar. 2003 till Jul. 2006
Employer : West Delta Electricity Production Company (WDEPC)
Project : Damanhour Combined Cycle Power Plant
Job title : Senior Shift Engineer
Job Description :

- Supervision of 4 Heat Recovery Steam Generators (HRSG) 4x50 tons/hour (manufacturer: NEM – Netherlands) operation.
- Supervision of one Steam Turbo Generates 58MW (manufacturer: GE) operation.
- Supervision of balance of plant (BOP) operation.
- Supervision of Distillate Treatment unit.
- Supervision of 4 gas turbines (4x25MW, Hitachi) operation.
- Supervision of control system (DCS, Mark II and Mark V) operation.
- Supervision of transformers, switches, electrical system and 220KV network operation.

Dates : From Jan. 2002 till Mar. 2003
Employer : West Delta Electricity Production Company (WDEPC)
Project : Damanhour Combined Cycle Power Plant
Job title : Gas Turbine Operation Engineer (Mark V)
Job Description :

- Operate turbine by speed control system (to rise speed up and holding period and rise speed to full speed).
- Make synchronizing between generators and network.
- Put Inlet Pressure Control system (IPC) into operation.
- Prepare Inlet Pressure Limiter (IPL) into operation.
- Checking vibration, temperature and pressure rising during operation.

Dates : From Oct. 1998 till Jan. 2002
Employer : West Delta Electricity Production Company (WDEPC)
Project : Damanhour Combined Cycle Power Plant
Job title : Auxiliary Operation Engineer (DCS)
Job Description :

- Prepare auxiliary steam system locally and operation by DCS.
- Prepare steam seal system locally and operate by DCS.
- Prepare gland steam exhauster system locally and operate by DCS.
- Prepare condensate system locally and operate by DCS.
- Prepare compressed air system locally and operate by DCS.

- Prepare cooling water system locally and operate by DCS.
- Prepare auxiliary cooling water system locally and operate by DCS.
- Prepare ejectors system locally and operate by DCS.
- Prepare hydraulic oil system locally and operate by DCS.
- Prepare oil system (lubrication & hydraulic) locally and operate by DCS.

Dates : From Nov. 1994 till Oct. 1998
Employer : West Delta Electricity Production Company (WDEPC)
Project : Damanhour Combined Cycle Power Plant
Job title : Heat Recovery Steam Generation Operation Engineer (DCS)
Job Description :

- Get permissive for all pumps and valves.
- Put all systems to work automatically.
- Operate systems manually.
- Prepare all parts before running locally.
- Follow rotating part during operating and also follow vibration, leakage oil, leakage steam, leakage water and noise.