

100199-MEC-OS-E-2005
Operation, Commissioning & Start-up Engineer

Holds a B. Sc. in Mechanical Power Engineering and has more than 5 years hands-on experience in operation, commissioning and start-up of gas turbines.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/01/1984
Marital Status : Single

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good
French : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : GE 9FA gas turbines operation, mechanical, MARK IV, gas turbine and generator control operation courses (3 weeks), Belfort – France, Jan. 2009.
- : GE 9FA gas turbines on-site operation mechanical training and operation electrical/control training (5 weeks), Nubaria – Egypt, from Feb. till Apr. 2009.
- : SIEMENS V94.3A gas turbines basic on job operation training, Nubaria – Egypt, Nov. 2006.
- : Combined cycle operation training, Alexandria – Egypt, Dec. 2006.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2011 till now
Employer : KHARAFI NATIONAL Company
Project : Damietta Simple Cycle Power Plant (500MW)
Job title : GE Gas Turbine Start-up, Commissioning & Operation Engineer
Job Description : Four GE CTG x125MW type PG9171 (9E).

Dates : From Oct. 2008 till May 2011
Employer : Middle Delta Electricity Production Company
Project : Nubaria Power Station Module III
Job titles :

- Senior Shift Charge Engineers Leader (May 2009 till May 2011)
- GE Gas Turbines Operators Supervisor Engineer (Jan. till May 2009)
- GE Commissioning & Start-up Engineer (Oct. 2008 till Jan. 2009)

Job Description :

- Two GE CTG x250MW type MS9001 (9FA).
- Two horizontal HRSG.
- One STG 250 MW (HP, IP, LP).
- 500KV switchyard.
- Medium and low switchgears.
- Module auxiliaries.

Dates : From Mar. 2006 till Oct. 2008
Employer : Middle Delta Electricity Production Company
Project : Nubaria Power Station Module I & II (1500MW)
Job title : SIEMENS Gas Turbines Operator
Job Description :

- Two SIEMENS CTG x250MW type V94.3A.
- Two Horizontal HRSG.
- One MITSUBISHI STG 250 MW (HP, IP, LP).
- 220KV switchyard.
- 500KV switchyard.
- Four tie transformers 500/220KV.
- Six outgoing circuits 220KV.
- Two outgoing circuits 500KV.
- Medium and low switchgears.
- Modules Auxiliaries.

Field of experience :

- Analyze gas turbine faults & upsets, investigate and recommend solutions.
- Organize evaluation and testing of gas turbine component.
- Follow the Dispatch Load Request.
- Perform Periodical Test.
- Start-up and shut down of the units.
- Detect and diagnose malfunction of equipments and prepare for work orders.
- Operate the units even in case of abnormal operation.
- Collect and analyze periodical data.
- Follow and deal with alarms in Central Control Room.
- Perform necessary measures and checks out before equipments start-up.
- Follow operation specifications.
- Analyze equipment efficiency and performance.
- Application of validated procedures.
- Analysis of all necessary information about Local Sites.
- Operations of high, medium and low voltage switchgears and load centers.
- Very good dealing with Siemens engineering logic work station.
- Excellent dealing with GE control system toolbox and Mark VI.

- Excellent knowledge of DCS systems.
- Wide knowledge of operation of combined steam cycle.
- Operate units' auxiliaries (Feed systems, Air Compressors, cooling systems, circulating water systems, condensate systems, boiler systems, turbine systems, fuel system, generator systems and electrical systems and all related utilities).
- Issue equipment clearances and work permits develop and implements plant operating procedures.

Other work experiences:

- Team leader of steam blowout for two horizontal STF HRSGs.
- Responsible for site acceptance tests (cleaning, commissioning and function tests) for GE 9FA gas turbines and its associated auxiliaries.
- Responsible for first fire and start-up of GE 9FA gas turbines and its associated auxiliaries (fuel gas and fuel oil supply systems, atomizing air system, denox water system, lube oil system, combined hydraulic and lift system, cooling water system, compressed air system, etc.).
- Attending of SIEMENS gas turbine fuel gas tuning and first start of fuel oil.
- Attending of SIEMENS gas turbines burners cleaning (chemical & thermal).
- Attending of SIEMENS gas turbines minor & hot gas path inspections.

Further skills:

- Good knowledge of operation of gas turbine generating units and auxiliaries.
- Good knowledge of related engineering software.
- Good leader.