

100030-MEC-COS-E-2004
Operation, Commissioning & Start-up Engineer

Holds a B. Sc. in Mechanical Power Engineering and has more than 7 years experience working in operation, commissioning and start-up of several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/10/1978
Marital Status : Married

EDUCATION

: B. Sc. in Mechanical Power Engineering, Azhar University, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Designing logic circuits using AutoCad

TRAINING COURSES AND CERTIFICATIONS

- : Maintenance of chemical pumps with WTD Company.
- : Maintenance in all equipment of HRSG with Skoda Company.
- : Maintenance in all equipment of HRSG with CMI Company.
- : Training Operation for Combined Cycle in TALKHA Power Station.
- : Training Operation for ALSTOM Steam Turbine in TALKHA & El-Kureimat II Power Station, by ALSTOM Trainers.
- : Training Operation for Heat Recovery Steam Generator and BOP in TALKHA & El-Kureimat II Power Station, by CMI & SKODA PRAHA Trainer.
- : Training course in Operation for Heat Recovery Steam Generator and BOP at CMI ENERGY (Heat Recovery systems).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2012 till now
Employer : TOSHIBA Company
Project : Sidi Krir Power Station 750MW Combined Cycle

- Job title** : Commissioning & Start-up Engineer
- Job Description** :
- Start-up and commissioning BOP (balance of plant).
 - Attendance erected all mechanical, electrical equipment.
- Dates** : From Jan. 2011 till Dec. 2011
- Employer** : I.E.M.S.A. (Italian Co.) – Subcontractor with Uhde Co.
- Project** : EAGRIUM/AMMONIA-UREA Project
- Job title** : Construction Manager & Commissioning Engineer
- Job Description** :
- Prepare and review documents.
 - Erected setting boiler (HITACHI), contains of:
 - Walls (rear wall, second, first right and left side wall, dividing wall, front wall).
 - Coils (super heater 1, 2, 3 - economizer.
 - Flash tank, boiler drum.
 - Feed water pipe system, saturated steam pipe, superheated steam pipe, spray attemperater system, drain pipe system, over flow pipe system, down comer pipe system and all valves at this systems.
 - Flue gas duct, fresh air duct, silencers, fans.
 - Burners and burner skid.
- Dates** : From Jun. 2010 till Jan. 2011
- Employer** : P.S.C.CO. – Subcontractor with ANSALDO Co.
- Project** : Abu Qir Power Station
- Job title** : Production Managing Engineer
- Job Description** :
- Prepare and review documents.
 - Fabricated critical piping from 2 inch to 42 inch and all headers in two boilers 2x650MW gas/oil fired unit's internal piping.
 - Make QC at all material & received fit up from fitters.
 - Make release all spools after finished fabricated for make check from DSD & ANSALDO Co.
- Dates** : From Feb. 2010 till Jun. 2010
- Employer** : P.S.C.CO. – Subcontractor with TCI SANMAR Co.
- Project** : Chemical LLC, PORT SAID
- Job title** : Steel & Piping Construction Engineer
- Job Description** :
- Ethylene Tank.
 - Ethylene Stack.
 - Ethylene Dichloride Pyrlsis Furnaces.
- Dates** : From 2009 till 2010
- Employer** : P.S.C.CO. – Subcontractor with IBERDROLA Co.
- Project** : El-Kureimat Integrated Solar Combined Cycle Power Plant
- Job title** : Construction Manager & Commissioning Engineer

Job Description :
• Fabricated, erected, hydro test and flushing (fuel gas system, service water system, cooling water system, closed cooling water system, potable water system, compressed air system, fire protection system, demine water storage system, system & transfer, sprinkler system) in gas turbine (GE).
• Erected pipe rack.
• Erected waste water, oil and chemical pumps.
• Fabricated, erected, hydro test and chemical cleaning, steam blow, at internal and external piping and all equipment in HRSG (Heat Recovery Steam Generator), NEM.
• Fabricated, erected, hydro test and flushing at all piping system (Siemens).
• Attendance erected all mechanical, electrical equipment.

Dates : From May 2009 till Jul. 2009

Employer : TOSHIBA Company

Project : Sidi Krir Power Station 750MW Combined Cycle

Job title : Commissioning & Start-up Engineer

Job Description :
• Start-up and commissioning BOP (balance of plant).
• Attendance erected all mechanical, electrical equipment.

Dates : From Feb. 2008 till Jul. 2008

Employer : SKODA & CMI Company

Project : El-Kureimat Power Station 750MW Combined Cycle

Job title : Commissioning & Start-up Engineer

Job Description :
• Commissioning and start-up for Dearator and FW tank, High pressure feed water pumps, Medium pressure feed water pumps, Low pressure feed water pumps, Condensate pumps, Service pumps and dosing pumps with Skoda Company.
• Commissioning, start-up and shutdown of HRSG.
• Start-up and commissioning BOP (balance of plant).
• Attendance erected all mechanical, electrical equipment.

Dates : From 2007 till 2008

Employer : East Delta Electricity Production Co.

Project : New Talkha Power Station 750MW Combined Cycle

Job title : Commissioning, Start-up & Maintenance Engineer

Job Description : WRAR-UP INSURANCE CONTRACT:
• Prepare and review documents.
• Evaluation the tenders offer, negotiation with SARAKA of insurance.
• Supervision of the execution the contract.
• Prepare and review the contact with PGESCO as consultant.
STG CONTRACT (1x250MW):
• Prepare and review technical spec. and commercial for STG package (1x250MW).
• Evaluation the tender (Siemens, Toshiba, Alstom).
• Negotiation with Alstom unit award.
• Design mech. drawing review and supervision of the execution the contract.

HRSG CONTRACT (2x125MW):

- Follow by erect for the all critical pipes and boilers.
- Participate in Hydro test, chemical cleaning and Steam blow down for two HRSG with critical pipes.
- Participate in commissioning and start-up for HRSG (SKODA, CMI, 250MW).
- Inspect with AI (ASME inspector) and AI of CMI for two HRSG and welding.
- Erect, alignment, commissioning and start-up the High pressure feed water pumps, Medium pressure feed water pumps, Low pressure feed water pumps, Condensate pumps, Service pumps and Dosing pumps.
- Attendance erected all mechanical, electrical equipment in this station.

Dates : From May 2005 till Dec. 2006

Project : Talkha Combined Cycle Power Station 300MW:

Consists of:

- 8 gas turbines.
- 8 boilers (Non Fired).
- 2 steam turbines (4 boilers common head to each steam turbine).

Gas turbine Power Station:

- 8 gas turbines, frame 5, with control system (Speed Tronic Mark II), 25MW/Unit.
- Natural gas or distillate fuel.
- High Voltage switch yard consists of:
 - 6 step up transformers with oil and SF6 circuit breakers.
 - 2 feeder lines 220KV.

Combined Cycle Power Station:

- 8 Heat Recovery Steam Generator (HRSG) is non fired boilers.
- Each boiler generates 45 ton steam/hr.
- 2 steam turbine (Speed Tronic Mark III), 50MW/unit.
- Pump House of 3 circulating pumps:
 - Each pump 750HP, 3.3KV, SF6 C.B.

Job title : Shift Operation Engineer

Job Description : Shift Engineer for Talkha Gas Power Station (8x25MW):

- Starting and shut down of gas unit (8x25MW).

Shift Engineer for Talkha Combined Cycle Station (2x50MW):

- Operate HRSG and steam turbine.
- Doing switchgear operations with national control center to connect and disconnect 220KV unified grid functions.
- Supervision of 220KV grid functions inside the station.
- Transformers: 4x60MVA-11.5/11.5/220KV & 2x65MVA-11.5/220KV.
- Training of recent Engineers & Technicians.

Dates : From Aug. 2004 till May 2005

Employer : P.S.C.CO. – Subcontractor with SIEMENS Co.

Project : Nubaria Power Station 750MW

Job title : Mechanical Piping Engineer

- Job Description** : • Fabricated, erected, hydro test and flushing (fuel gas system, service water system, cooling water system, closed cooling water system, potable water system, compressed air system, fire protection system, demine water storage system, system & transfer, sprinkler system) in gas turbine 2x250MW.
- Erected pipe rack.
 - Erected waste water, oil and chemical pumps.
 - Attendance erected all mechanical, electrical equipment in gas turbine, steam turbine and HRSG.
- Field of experience** : • Commissioning, start-up and operation.
- Fabrication and erection of Boiler and HRSG (Heat Recovery Steam Generator).
 - Prepare piping, supports and pipe rack.
 - Fabrication, spooling, erection drawing and material list.
 - Prepare pressure test package.
 - Prepare P&ID pressure test circuit limits.
 - Make flushing, chemical cleaning and steam blow down.
 - Maintenance and make alignment for mechanical equipments.
 - Supervision of the execution the contract.