

100607-MEC-18OS-E-2003
Commissioning, Start-up & Operation Engineer

Holds a B. Sc. in Mechanical Power Engineering and has more than 17 years hands-on experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/01/1980
Gender : Male
Residence : Assiut

EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: MS Project

TRAINING COURSES AND CERTIFICATIONS

: English course (level 7), A.U.C.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2020 till now
Employer : PGESCO
Project : Assiut Thermal Power Plant (1x670MW supercritical)
Job title : Commissioning, Start-up & Operation Engineer
Job Description :

- Currently I have worked as Start-up Engineer in PGESCO sites to advise the owner staff and contractors, to monitor performance, and to report any abnormalities and shift it to my PGESCO managers.
- Made the proper coordination between the contractors and the owner staff.
- Evaluate and correlate data for system file procedure.
- Review and prepare test procedure.
- Direct component and system testing under close supervision.

- Direct maintenance under close supervision.
- Develop and review technical reports.
- Participate to briefing and debriefing.
- Support site of Safety, Quality, walk down, tests and commissioning.
- Ensure that work being performed is within scope of services and within budget.

Dates : From Sep. 2017 till Jan. 2020
Employer : PGESCO
Project : South Helwan Thermal Power Plant (3x650MW supercritical)
Job title : Commissioning, Start-up & Operation Engineer
Job Description :

- Worked as Start-up Engineer in PGESCO sites to advise the owner staff and contractors, to monitor performance, and to report any abnormalities and shift it to my PGESCO managers.
- Made the proper coordination between the contractors and the owner staff.
- Evaluate and correlate data for system file procedure.
- Review and prepare test procedure.
- Direct component and system testing under close supervision.
- Direct maintenance under close supervision.
- Develop and review technical reports.
- Participate to briefing and debriefing.
- Support site of Safety, Quality, walk down, tests and commissioning.
- Ensure that work being performed is within scope of services and within budget.

Dates : From Mar. 2017 till Sep. 2017
Employer : INITEC ENERGIA
Project : SUEZ THERMAL POWER PLANT (1x650MW)
Job title : Commissioning, Start-up & Operation Engineer for BOP (CP-118)
Job Description :

- Carry out all commissioning activities (Hydro-test, chemical cleaning, steam blowing...) as per manufacture recommendation.
- Making commissioning for service water system, firefighting system, condensate system, closed cooling system, compressed air system, demine water system, fuel oil system, fuel gas system, feed water system, drain system, H2, N2, CO2 system.
- Making first start for these systems.
- Create elaborate commissioning plan including the scope of commissioning activities, duration for each, scope of interlinked activities, resources available, commissioning material requirements as well as availability of tools and machinery.
- Managing and coordination with different subcontractors working at site.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Supervising pre-operational, operational and load performance activities.
- Making on-site training for client engineers.

Dates : From Oct. 2013 till Mar. 2017
Employer : INITEC ENERGIA Company
Project : Giza North Combined Cycle Power Plant 2250MW (3 Module x 750MW)
Job title : Lead Commissioning & Start-up Engineer for BOP (CP-118)
Job Description :

- Carry out all commissioning activities (Hydro-test, chemical cleaning, steam blowing,) as per manufacture recommendation.
- Making commissioning for service water system, firefighting system, condensate system, closed cooling system, compressed air system, demine water system, fuel oil system, fuel gas system, NOx water system, feed water system, drain system, H2, N2, CO2 system.
- Making first start for these systems.
- Create elaborate commissioning plan including the scope of commissioning activities, duration for each, scope of interlinked activities, resources available, commissioning material requirements as well as availability of tools and machinery.
- Managing and coordination with different subcontractors working at site.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Supervising pre-operational, operational and load performance activities.
- Making on-site training for client engineers.

Dates : From Jul. 2012 till Jul. 2013
Employer : [EGYPTROL](#)
Project : Abu Qir Thermal Power Plant project units 6, 7 (2x650MW gas/oil)
Job title : Commissioning & Start-up Engineer for Boiler (CP-105)
Job Description :

- Ansaldo Caldaie steam boiler its specifications as follow: Radiant box type, Natural gas & fuel oil, BM.C.R 574.3 kg/s, SH outlet pressure 183 bar, SH outlet temperature 541°C, RH steam flow 480.5 kg/s, HR pressure 41.1 bar, HR temperature 565 °C, Burner type TEA B.A., No. of burners 30, Two air heaters, Two forced draft fan & two gas recirculation fans.
- Carry out all commissioning activities (Hydro-test, chemical cleaning, steam blowing,) as per manufacture recommendation.
- Making commissioning for firefighting system, fuel oil system, fuel gas system, soot blower system, auxiliary steam system, atomizing air system, atomizing steam system, flue gas system.
- Create elaborate commissioning plan including the scope of commissioning activities, duration for each, scope of interlinked activities, resources available, commissioning material requirements as well as availability of tools and machinery.
- Managing and coordination with different subcontractors working at site.

Dates : From Dec. 2011 till Jun. 2012
Employer : [EGYPTROL](#), Commissioning Subcontractor for ANSALDO ENERGIA
Project : 6th October Power Station (600MW)
Job title : Commissioning & Start-up Engineer for Gas Turbine

Job Description :

- Commissioning & start-up for Ansaldo gas turbine AE94.2.
- Follow up pre-commissioning (lube oil flushing, control oil flushing, gas line, closed cooling system ...).
- Follow up Commissioning & start-up for GT AUXILIARY.
- Follow up the project daily works (piping, welding, and all auxiliary equipment).
- Follow up commissioning & start-up for firefighting system for gas turbine portion.
- Line up for (lube oil, control oil, air and fuel gas, instrument air, ...) before initial fire.

Dates : From Jun. 2010 till Jun. 2011

Employer : INITEC ENERGIA Company

Project : Cairo West Thermal Power Plant 2x350MW

Job title : Commissioning & Start-up Engineer for BOP (CP-118)

Job Description :

- Carry out all commissioning activities (Hydro-test, chemical cleaning, steam blowing,) as per manufacture recommendation.
- Making commissioning for service water system, firefighting system, condensate system, closed cooling system, compressed air system, demine water system, fuel oil system, fuel gas system, feed water system, drain system, H₂, N₂, CO₂ system.
- Create elaborate commissioning plan including the scope of commissioning activities, duration for each, scope of interlinked activities, resources available, commissioning material requirements as well as availability of tools and machinery.
- Managing and coordination with different subcontractors working at site.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Supervising pre-operational, operational and load performance activities.
- Making on-site training for client engineers.

Dates : From Sep. 2003 till Jun. 2010

Employer : Upper Egypt Electricity Production Company

Project : Assiut Thermal Power Plant

Job title : Operation & Shift Charge Engineer

Job Description :

- Start-up and shut-down procedures for thermal power plant 2x312MW (cold, warm and hot start-up and normal or emergency shut-down).
- Turbine & auxiliaries operation (Toshiba & Ansaldo) and reporting the equipment condition during normal operation.
- Boiler & auxiliaries operation (Mitsubishi & Ansaldo) and reporting the equipment condition during normal operation.
- Testing and changing-over for all mechanical equipment locally and from control (good dealing with hydrogen production plant and mechanical equipment).
- Making connection and disconnection for electrical circuits of 220KV, 6.3KV and operation of electrical diesel-generators.
- Good command with Toshiba & Bailey control system, Control station and monitors.

- Making daily technical reports about the unit's abilities & efficiencies.
- Very good dealing with fire fighting system (water system, foam system and powder system locally and alarms control panel).
- Good dealing for industrial safety requirements.
- Full knowledge of security and safety procedures for operation of thermal power plant.
- Attending overhaul maintenance of main generator (rating 425MVA).
- Attending of stator repair for main generator (425MVA).
- Attending of high voltage test (HVD.C test) for stator winding repair of main generator (425MVA).
- Attending of rotor repair for main generator (425MVA).
- Measure for D.C. resistance and opening, closing time for C.B.
- Attending for RE wedging for main generator (425MVA).
- Attending of all electrical tests for main generator (425MVA).
- Good command with DCS control system same YOKOGAWA.
- Part of commissioning team CP-118 including CWP, BFP, etc.
- Experience in work permit of electrical and mechanical equipment.