

105196-MEC-1GHMOS-E-1998
Project Commissioning Manager Engineer

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

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/02/1975
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 1998

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Operation of gas turbine, MITSUBISHI Heavy Industrial, EL-ATF site, Egypt.
- : Operation & maintenance of steam turbine, ANSALDO ENERGIA, EL-ATF site, Egypt.
- : HRSG Operation and maintenance:
 - HRSG controls and instrumentation.
 - HRSG water chemistry and safety.
 - NEM – B.U. industrial & utility boilers, 7550 al Hengelo, the NETHERLANDS, and also this course in EL-ATF site, Egypt.
- : CENTUM CS 3000 R3 Fundamentals for operation, YOKOGAWA Middle East, El-Atf site, Egypt.
- : Maintenance and operation of horizontal pumps & sump pump, TOSHIBA, EL-ATF SITE, EGYPT.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2015 till now
Employer : PSP ELSWEEDY

- Project** : MAHMOUDIA Simple Cycle 2x165MW gas turbine
Job title : Project Commissioning Manager Engineer
Job Description : ANSALDO GAS TURBINE FRAME AE 94.2, 2x165MW simple cycle:
- Commissioning.
 - Operation.
 - Warranty.
- Dates** : From 2012 till 2015
Employer : KHARAFI NATIONAL
Project : West DAMIETTA PROJECT gas turbine GE 9E 4x125MW
Job title : Senior Commissioning, Start-up & Warranty Engineer
Job Description :
- Confirm mechanical completion of all installation.
 - Manage interface between the different vendors, suppliers, subcontractors.
 - Accept packages from construction (mechanically complete, visual inspection, pressure test and other construction tests are complete).
 - Commissioning, start-up and operation for 4x125 MW GE (frame 9E).
 - Commissioning, start-up and operation for balance of plant (BOP).
 - Make the protective maintenance for the gas turbine and its auxiliary.
 - Make alignment for the vertical pump and horizontal.
 - Troubleshooting for the gas turbine and getting the spare parts from the manual.
 - Firefighting installation & commissioning.
 - HVAC commissioning.
 - Diesel generator commissioning.
 - Pump station installation & commissioning.
- Dates** : From 2011 till 2012
Employer : KHARAFI NATIONAL
Project : DAMIETTA PROJECT gas turbine GE 9E 4x125MW
DAMIETTA POWER STATION PLANT SIMPLE CYCLE 4x125MW (500MW)
Job title : Senior Commissioning, Start-up & Warranty Engineer
Job Description :
- Confirm mechanical completion of all installation.
 - Manage interface between the different vendors, suppliers, subcontractors.
 - Support scheduling for optimized construction progress to enable optimized phased handover from construction to commissioning.
 - Accept packages from construction (mechanically complete, visual inspection, pressure test and other construction tests are complete).
 - Commissioning, start-up and operation for 4x125MW GE (frame 9E).
 - Commissioning, start-up and operation for balance of plant (BOP).
 - Make the protective maintenance for the gas turbine and its auxiliary.
 - Make alignment for the vertical pump and horizontal.
 - Troubleshooting for the gas turbine and getting the spare parts from the manual.
 - Firefighting installation & commissioning.
 - HVAC commissioning.
 - Diesel generator commissioning.
 - Pump station installation & commissioning.

- Dates** : From 2009 till 2011
- Employer** : Middle Delta Electricity Production Company
- Project** : EL-ATF 750MW Combined Cycle (2x2x1)
- Job titles** : • Maintenance Engineer in the Gas Turbine Department
• Commissioning, Start-up & Shift Leader Engineer
- Job Description** : OWNER Representative Mechanical Engineer, responsible for:
- Commissioning, start-up and operation of gas turbine Mitsubishi (2x250MW) (M701F) and its related auxiliaries such as: Lube oil unit – hydraulic oil unit – purge air compressor GT by pass damper – fuel gas compressor – vibration monitoring system – turbine cooling air cooler (TCA) – hydrogen filling system for cooling generator – hydrogen releasing system by using air after using CO2 – CO2 firefighting system.
 - FOR NEM HRSG boilers:
 - Perform the chemical cleaning according to procedures for condensate system & feed water system.
 - Perform the steam blow-out activities for HP steam, HRH & CRH steam, LP steam lines.
 - Follow the installation & alignment & commissioning, start-up and operation of Steam turbine ANSALDO (250MW) and its related auxiliaries such as: Lube oil system – hydraulic oil system – jacking oil system – hydrogen filling system for cooling generator – vacuum system – STF condenser – seal oil system.
 - Also commissioning and testing for the following systems:
 - Condensate system, condensate pumps.
 - Feed water system (LP, HP/IP) & FWP's.
 - Circulating water system & CW pumps.
 - Sump pumps.
 - Firefighting installation and commissioning.
 - HVAC commissioning.
 - Diesel generator commissioning.
 - Pump station installation and commissioning.
 - Perform the sequence test for the following systems:
 - Condensate system, condensate pumps.
 - Feed water system (LP, HP/IP) & FWP's.
 - Circulating water system & CW pumps.
 - Service water system.
 - Closed cooling system.
 - Instrument and service air system.
 - Potable water system.
 - Cooling water intake equipment (sluice gate, traveling screen).
 - Record the commissioning data for all systems mentioned previously.
 - Report and advice the daily activities for all systems mentioned previously.
 - Also working as Owner Operation Engineer responsible for:
 - Conducting all preparation steps of units in field to realize permissive for start-up from control room such as (filling line of water free of bubbles, all safety valves ready, coolers in service, all skids of hydraulic and pneumatic ready, firefighting ready, all electrical power source ready position of motorized valves in auto mode and ready to work locally, all manuals valves before and after

- control and motorized valves shall be open, etc.
- Responsible of start-up, operation, remarking alarms of units from control room and solve operation problems.
- Survey in field for more check and confirmation of safe operation.
- Turbine Section Inspection for the Gas Turbine Number (1) 250MW M701F, includes:
 - Change the fuel nozzle, combustor basket, transition piece.
 - Making NDT test for the nozzle and the bypass elbow, cross fire tube.
 - Change the vanes for the stages 1, 2 for (the stationary stages).
 - Change the blade for the stages 1, 2 for the (rotating stages).
 - Measure the clearance for the blades and also the vanes.
 - Make alignment for the transition piece.
- Turbine Inspection for the Gas Turbine Number (2) 250MW M701F, includes:
 - Change the fuel nozzle, combustor basket, transition piece.
 - Making NDT test for the nozzle and the bypass elbow, cross fire tube.
 - Change the vanes for the stages 1, 2 for (the stationary stages).
 - Change the blade for the stages 1, 2, 3, 4 for the (rotating stages).
 - Measure the clearance for the blades and also the vanes.
 - Make alignment for the transition piece.

Dates : From 2000 till 2009

Project : Mahmoudia Power Station

Job title : Operation & Maintenance Engineer

Job Description :

- Unit start-up and shutdown procedures.
- Monitoring parameters.
- Testing the equipment's.
- Isolation and de-isolation procedures.
- Safety work permit system.
- The above mentioned is done for:
 - 8 GE gas turbines 25MW each (MS5001frame P) and its related auxiliaries.
 - 8 NEM HRSG.
 - (2x58) GE steam turbine and its related auxiliaries.
- And also done for:
 - Condensate system & condensate pumps.
 - Circulating water system & circulation pumps.
 - Feed water system & pumps.
 - Sump pumps.
- I also watch the following maintenance sections for steam turbine GE (58MW):
 - Make major inspection.
 - Pumps maintenance and balancing.
 - The starting mean inspection (the diesel assembly and disassembly) of the gas turbine.
 - Overall maintenance for condensate pumps (10 stages), vertical pumps.
 - Maintenance for travel screen and main cooling pumps, hydraulic power unite, air compressors and steam turbine auxiliaries such as ejectors, lubrication system and condenser.

- Field of experience :**
- Excellent mechanical skills and working to strict deadlines within technically demanding environments. Major projects of power plant have includes installation for gas turbine, steam turbine, boilers and related auxiliaries. All aspects of commissioning, start-up and operation for all mechanical equipment's (static and dynamic) to be according client contract specification, and manufacture requirement. Understanding of P&ID draws and pipe line installation commissioning, under & above Ground piping, pumps and valves.
 - GAS turbine commissioning, start-up and operation (GE FRAME 9E 125MW, MITSUBISHI FRAME 7 250MW, ANSALDO AE 94.2 165MW).
 - Boiler (HRSG) commissioning, start-up and operation.
 - Steam turbine auxiliaries (Condenser, vacuum system tube cleaning system and debris filter) commissioning and start-up.
 - Commissioning and start-up for combined cycle auxiliaries such as (closed cooling system, Condensate system, feed water system and circulating cooling system).
 - Technical ability in the field and in the office.
 - Adaptable, with ability to have valuable input to many aspects of a project.