

102099-MEC-1GOS-E-1988

Start-up & Operation Manager

Holds a B. Sc. in Mechanical Engineering and has about 34 years experience working in operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Cairo University, 1988

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Project Management courses by PMI MENA.
- : English courses in British Council to upper intermediate level.
- : Advanced course in boiler operation and maintenance in BABCOCK HITACHI, JAPAN.
- : Advanced course in unit operation and maintenance of fossil plant on SHOUBRA EL-KHEAMA Power Plant. The training effort by BECHTEL.
- : Welding codes and welding qualification in AUC.
- : Rotating machinery vibration analysis for non-condition monitoring engineers by NATCOM.
- : MENTORING SKILLS by TANDEM.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2021 till Oct. 2021
Employer : ELSWEDY ELECTRIC PSP
Project : LAYAH Project (1150MW combined cycle two gas turbines, two HRSG and one steam turbine by Mitsubishi) in UAE
Job title : Deputy Start-up Manager

Job Description :

- Create Mechanical scope of work for commissioning subcontractor.
- Create mechanical pre-commissioning procedure for our scope of work.
- Manage commissioning subcontractor.
- Create system priorities to start commissioning.
- Create scope of work for chemical cleaning subcontractor.
- Steam blow procedure review and comments to freeze and create BOQ.
- Coordinate with supplier to start equipment commissioning.
- Coordinate with MPW to make walk around to expedite commissioning period for their system.
- Create a plan for pre-commissioning phase for our scope and MPW scope.
- Coordinate with owner and owner representative during pre-commissioning phase to attend testes and release their comments.

Dates : From Feb. 2019 till Dec. 2020

Employer : ELSWEDY ELECTRIC PSP

Project : Assiut Project (650MW Thermal Power Plant)

Job title : Start-up & Operation Manager

Job Description : Responsible about commissioning, start-up and operation of:

- Firefighting system and pumps (Electric, Diesel and jockey).
- Condensate and feed water system chemical cleaning.
- Start-up pump (KSB supply).
- Turbine driven feed water pumps (turbine supply by Siemens and pump by KSB).
- Compressed air system (rotary (Ingasollrand) and centrifugal compressor (Atlas Copco)).
- Condensate pumps.
- Closed cooling system.
- Service water system.
- Condensate and feed water system.
- Natural gas supply system.
- Fuel oil supply system.
- Aux boiler system.
- Re-boiler system.
- Hydrogen generation and storage system.
- Emergency diesel generator.
- Self-cleaning strainers.

Dates : From Feb. 2018 till Jan. 2019

Employer : ELSWEDY ELECTRIC PSP

Project : Beni Suef (4800MW Combined Cycle Power Plant)

Job title : Start-up & Operation Manager

Job Description :

- Manage and work toward building a cohesive start-up team for Elsewedy Electric PSP company.
- Encourage open communication between all startup disciplines.
- Instruction, coordinate and monitor of commissioning engineers and vendor experts prior to start of work.
- Re-commissioning of water pretreatment plant after new modification.

- Follow up water analysis and take a necessary action to improve cooling tower water quality.
- Prepare water treatment and Demi plant training session for owner.
- Re-commissioning of Demi water plant and make a necessary modification to meet contract requirement.
- Share start-up meeting with SIEMENS as PSP representative.
- System restoration after Chemical cleaning and Steam blowing for all HRSG and feed water cycle.
- Ensuring that the individual commissioning engineers and vendor experts execute their services in full compliance with the contract and applicable laws and EHS / PTW Standards.
- Coach the operators to complete the maximum possible amount of follow-up on their own when items are not as per normal operation. Help the operators learn and grow by sharing my knowledge with them and helping them to solve problems.
- Work closely with Construction Team to provide subject-matter expert advice and leadership.

Dates : From Jan. 2016 till Jan. 2018
Employer : PGESCO
Project : El-Shabab Power Project phase 2 converting existing simple cycle to combined cycle
Job title : Operation Manager
Job Description :

- Support construction team to erect 8 HRSG. Share weekly progress meeting, follow construction activities, coordinate with contractor (Ansaldo) to track materials, achieve mile stone and eliminate critical path. Coordinate between contractors to minimize conflicts.
- HRSG chemical cleaning activities. Open discussion with subcontractor and owner to facilitate and accelerate activities. Approve with owner an equipment location and waste water discharge place. System walk down and approve result.
- Alkaline cleaning for condensate and feed water system.
- Coordinate with construction group to turned over system to commissioning phase as per start up requirements to save project time schedule.
- Report site manager about operation daily activities.
- Steam blow activities.

Dates : From Sep. 2015 till Dec. 2015
Employer : PGESCO
Job title : Start-up Manager
Job Description : Transfer to Giza North Project to support start-up team and accelerate project schedule.

Dates : From Nov. 2014 till Sep. 2015
Employer : PGESCO
Project : EL-TEBBIN Rehabilitation Project
Job title : Start-up & Operation Manager during start-up of unit #1

Job Description :

- Support owner to start unit auxiliaries after tow year out of service.
- Steam blow activities.
- Chair the commissioning coordination and progress meetings.
- Be sure that all Contractors activities are compatible with contract requirements.
- Coordinate with project control Engineer to track contractors' activities and try to find solution for any delay or conflicts.
- Report to site and project manager.
- Be sure that all project activities don't conflict with PGESCO procedures.
- Safety walk down every week.
- Apply LOTO for all commissioning activities.

Dates : From Jun. 2014 till Nov. 2014

Employer : PGESCO

Project : 6th October Simple Cycle Power Plants (4 extension units x 150MW)

Job title : Deputy Start-up Manager

Dates : From Dec. 2013 till Jun. 2014

Job Description :

- Deputy Start-up Manager and lead supporting team from PGESCO to ORASCOM during commissioning and start-up of Baji Power Plant in Iraq (6 x 150 simple cycle gas turbine) supplied by Siemens.
- Prioritize activities for ORASCOM construction team to start commissioning activities according to project schedule.
- Follow Siemens daily commissioning activities and report them to ORASCOM and PGESCO managements.
- Advise ORASCOM commissioning team during commissioning and startup of Aux systems.
- Discuss daily activities with Iraqi engineer (on job training).
- Create method of statement to recover delay in material supply and construction activities of light oil system.

Dates : From Nov. 2012 till Dec. 2013

Employer : PGESCO

Project : Giza North Combined Power Plant (6x250MW) CTG by GE frame 9F (3x250MW) STG by ANSALDO and 6 HRSG by STF

Job title : Deputy Start-up Manager

Job Description :

- Study commissioning plan (start-up scoping) which support schedule acceleration to operate simple cycle before summer peak and provide direction for the execution of the commissioning process during construction phase.
- Communicating with contactors commissioning group to facilitate activities and release any conflict in early stage.
- Communicating with equipment vendors to resolve commissioning issue.
- Chair the commissioning coordination and progress meetings.
- Contact with the Engineer, Owner and contractors for coordinating and scheduling the commissioning program.
- Safety walk down every week.

Dates : From Oct. 2011 till Nov. 2012
Employer : PGESCO
Project : 6th October Simple Cycle Power Plants (4x150MW) Ansaldo Energia
Job title : Acting Start-up Manager
Job Description :

- Track, walk through and reorder the commissioning schedule to achieve project milestones.
- Review contractor commissioning procedures according to contract and stander.
- Priorities punch list items according to contract requirements (category A, B & C) to transfer systems from construction to commission phase.
- Review contractor lock out tag out procedure to proceed.
- Lead daily start-up progress meeting to track activities.
- Report daily to site manager about start-up activities.
- Contact with engineer for coordinating and scheduling the commissioning activities.
- Lead team during start up, per operational testing till turn over to the owner.

Dates : From Mar. 2011 till Oct. 2011
Employer : PGESCO
Project : El-Shabab Project (8x125MW) gas turbine simple cycle GE product frame 9E
Job title : Lead Start-up Engineer

Dates : From Aug. 2009 till Mar. 2011
Employer : PGESCO
Project : El-Tebbin Power Plant (2x350MW)
Job title : Acting Operation Manager during start-up, commissioning and initial operation
Job Description :

- Interview shift engineers and assign four.
- Follow start-up activities (alignments, flushing, heat run, chemical cleaning, steam blow, systems preparation, initial run& reliability test) according to schedule and contract requirements.
- Review start-up activities procedures with contractors and approved it to proceed.
- Issue punish list items and priority them according to contract requirements and schedule.
- Issue work permit procedures for all contractors.
- Create daily, trip and maintenance request reports.
- Follow up operation parameters and coordinate between contractors to proceed their activities without interruption or critical path issue.
- Review turnover package according to contract requirements.
- Write operation procedure for El-Tebbin Power Plant.

Dates : From Aug. 2008 till Aug. 2009
Employer : PGESCO
Project : El-Tebbin Power Plant (2x350MW)
Job title : Senior Mechanical Engineer during construction phase

Job Description :

- Follow construction activities for turbine which is supplied by Alstom.
- Receive MRR from contractor and check this material according to contract requirement, isometric drawing, P&ID drawing or material list.
- Issue surveillance reports to contactors also received RFI form them.
- Follow project schedule (material supply, construction activities) and reports it daily.
- Follow standers requirements (ASME, ANSI, ASTM), for piping, fittings, material and tests.
- Follow inspection and test plain for contractor and inspect holding points.

Dates : From Mar. 2005 till Aug. 2008

Employer : PGESCo

Project : CAIRO NORTH Power Plant phase one (2x750MW), (2x250MW) MITSUBISHI gas turbine, tow HRSG supplied by NEM, (250MW) Steam turbine supplied by HITACHI. Phase two (2x250MW) gas turbine supplied by GE (frame 9 Mark 6 control), two HRSG supplied by NEM and steam turbine supplied by ALSTOM

Job title : Shift Supervisor Engineer during commissioning and start-up

Job Description :

- Supervise and coordinating between contractors during starting up and operation of the units.
- Monitor all contractors' activities involve with start-up and operation and push them to achieve plant schedule.
- On-job training and supervise owner shift engineers.
- Permit to work for work orders and proceed LOTO to facilitate the isolation of equipment for maintenance.
- Identify and investigate the problems to troubleshoot.
- Cooperate and notify engineering section about problems to be solved.

Dates : From Jul. 2001 till Feb. 2005

Employer : Egyptian Operation and Maintenance Power Company

Project : EL-KUREIMAT Power Plant (2x627MW)

Job title : Shift Supervisor Engineer

Job Description :

- Following up unit parameters to improve their performance and stabilize them as long as possible.
- Identify problems, investigate and troubleshoot them.
- Issue Permits to Work according to work orders after isolating equipment for maintenance activities.
- Supervise and manage Operation Engineers during unit normal operation, emergency operation, normal or forced shut down and start-up.
- Follow up Operation Engineer and evaluate their performance to manager.

Dates : From May 1999 till Jun. 2001

Employer : PGESCo

Project : AYOUN MOUSA Power Plant (2x330MW)

Job title : Shift Supervisor Engineer during commissioning and start-up

Job Description :

- Coordinating between contractors during starting up and operation the units.
- Supervise all contractors involved with startup and operation and monitor the progress of their activities.
- On job training and supervise owner Operation Engineers.
- Permits to Work for work orders and coordinate between contractors to facilitate the isolation of equipment for maintenance.
- Write operation procedures and create daily log sheets and walk down sheets.
- Follow up and supervise unit commissioning tests such as runback, load rejection, black out ...etc. for the entire plant as well as individual equipment and coordinate the evaluation of the test.
- Follow up operation parameters to improve unit performance.
- Walk down the unit, investigate and troubleshoot problems by contractors and suggest modification.
- Give permission to start any equipment when all commissioning activities are completed.

Dates : From Feb. 1997 till Apr. 1999

Employer : BABCOCK AND WILCOX International Company

Project : EL-KUREIMAT Power Plant (2x627MW)

Job title : Construction, Start-up & Operation Engineer

Job Description :

- Follow up some construction activities for boilers during construction phase.
- Start-up and operation of the boiler from cold, hot or warm start, also boiler shut down with forced cooling, natural cooling or banking.
- Writing a boiler preliminary check list and operation procedures.
- Do some maintenance jobs:
 - Repairing valves.
 - Re-adjusting seals clearance of air heaters.
 - Stroking dampers & valves.
 - Splicing of fabric expansion joint.
- Following Boiler boil out, acid cleaning and steam blowing procedures.
- Follow vendors of soot blower's system and air heaters during start-up.
- Final adjustment of inner and outer vanes of main burners.
- Line up natural gas, fuel oil and solar oil systems.
- Safety valves test.
- On job training and follow owner operation engineers.
- Boiler walk down and identify boiler troubleshoots.
- Follow up boiler operation parameters to improve its performance.
- Follow up commissioning testes and study boiler controls behavior during these tests.
- Issue work orders and follow isolation points.

Dates : From Aug. 1993 till Feb. 1997

Employer : CEPC

Project : Cairo West Power Plant (2x330MW), SIEMENS is a turbines supplier, Babcock Hitachi is a Boilers supplier and ABB is a DSC supplier

Job title : Shift Operation Engineer

Job Description :

- Operate units from cold, warm or hot condition. Also shut down units (boiler and turbine) with normal cooling, forced cooling or banking.
- Follow contractors during commissioning activities and report their progress to my manager.
- Give permission for work orders and coordinate with contractors to isolate any equipment for maintenance.
- For six months (from April 1994 to October 1994) I worked as Operation & Start-up Engineer of Boiler for Unit number 5 & 6 in Cairo West Power Plant (2x330MW) with BABCOCK HITACHI group. I was responsible to:
 - Start-up and operate boiler from cold, hot or warm start. Also, boiler shut down, forced cooling, natural cooling or banking.
 - Line up natural gas, fuel oil and solar oil systems.
 - Boiler walk down and identify troubles.

Dates : From Aug. 1988 till Aug. 1993

Project : Cairo West Power Plant (4x87MW)

Job Description :

- Shift Charge Engineer during rehabilitation of these unit from 1990 to 1993 which consist of:
 - Modifying burners to Y jet Oil / Gas burners BABCOCK & WILCOX design.
 - Changing superheater tubes.
 - Changing Boilers control to DCS by Bailey INF –NET 90 system.
- Unit Operator under supervision of Babcock & Wilcox supervisors during this period.