

100001-ELE-MOS-E-1994 Electrical Commissioning & Start-up Leader

Holds a B. Sc. and post graduate Diploma in Electrical Power Engineering. Has over 21 years hands-on experience working in steam and combined cycle power plants. Started as a Field Operator, Control Room Operator, In-charge Shift Engineer, Senior Operation Engineer and Senior Electrical Maintenance Engineer. Has lead a combined cycle plant contractor electrical commissioning and operation team during all commissioning phases, starting form plant pre-energization tests up to complete plant reliability test.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/07/1969
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Engineering (Power & Machines), El-Minia University, 1994
: Diploma in Electrical Engineering (Power & Machines), Assiut University, 2001

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

: Operation of Thermal Power - North Cairo Thermal Power Plant Training Center.
: Advanced Operation training of Thermal Power Plant, Abu Qir Thermal Power Plant Training Center.
: Industrial Safety Systems.
: In-site training in Assiut Power Plant.
: MS Word, Excel, Power Point courses in Assiut Power Plant.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2016 till now
Employer : [EGYPTROL](#)
Project : EGYPTROL Head Quarter
Job title : Electrical Commissioning & Start-up Leader
Job Description :

- Preparation of procedures in line with policies.
- Ensure the commissioning team resources are adequate, competent and efficient in their tasks for EGYPTROL projects.
- Plan and forecast the staff requirements to meet EGYPTROL projects commitments in the form of a detailed resource plan.
- Manage, organize and provide testing resources in a timely and cost effective manner to meet customer requirements and commitments.
- Maintain a database of the competency of all testing staff to ensure only suitably qualified staff is allocated for each task.
- Continuously monitor the company's processes to identify better practices and smarter working methods as part of the ongoing continuous improvement process.
- Participate in management of change for engineering and construction of the project.
- Making training for fresh gradual staff.

Dates : From Jan. 2016 till Apr. 2016
Employer : [EGYPTROL](#)
Project : Abu Sultan Thermal Power Plant
Job title : Site Manager & Commissioning & Start-up Manager
Job Description : Feed water pumps replacements.

- Manage and coordinate Construction activities.
- Manage and coordinate Commissioning activities.
- Ensure the construction and commissioning team resources are adequate, competent and efficient in their tasks
- Plan and forecast the staff requirements to meet project commitments in the form of a detailed resource plan.
- Ensure all testing works are completed by independent, competent staff using the detailed procedures in the company Quality Management System.
- Ensure all testing activities are recorded appropriately to ensure traceability of all activities is maintained.
- Ensure that all errors or omissions are reported through the appropriate process and documentation systems to the project design team.
- Approve all testing strategies and test plans produced by nominated Testers in Charge.
- Maintain the testing documentation within the company's quality management system, ensuring it is consistently applied to all projects.
- Maintain a database of the competency of all testing staff to ensure only suitably qualified staff is allocated for each task.
- Provide monthly reporting of all testing activities to the engineering management team particularly identifying current and future issues.
- Prepare commissioning schedule and test plan.

- Prepare and maintain all site operation documentation and check lists
- Reporting to EGYPTROL Head office.
- Conduct meeting with consultant's designers and asset holder department(s), as and when necessary, to review testing and commissioning progress on daily and occasionally more frequent basis.
- Analyze and address critical areas of progress/delays in testing and commissioning.
- Ensure the setting up of safety and precautionary requirements.
- Manage pre-construction Engineering reviews and project planning.
- Manage construction progress and solving construction and installation problems.
- Supervising pre-operational, operational and load performance activities.
- Managing all aspects of pre-commissioning, commissioning and operation checkout, through initial energizing, startup of the new process and associated systems.
- Complete necessary documentation for project turnover to client.
- Plant handover at the end of contract.
- Managing smooth handing-over of facilities to the Asset Holder.

Dates : From Dec. 2015 till Jan. 2016
Employer : [EGYPTROL](#)
Project : EGYPTROL Head Office
Job title : Commissioning & Start-up Team Leader
Job Description : As described before.

Dates : Dec. 2015
Employer : [EGYPTROL](#) – Commissioning Subcontractor for ERCC
Project : Kivu Watt Power Plant (Rwanda)
Job title : Sargent & Lundy Independent Engineer (Consultant)
Job Description : Witness the power plant performance test.

Dates : From Nov. 2015 till Dec. 2015
Employer : [EGYPTROL](#)
Project : EGYPTROL Head Office
Job title : Commissioning & Start-up Team Leader
Job Description : As described before.

Dates : From Jun. 2013 till Oct. 2015
Employer : [EGYPTROL](#) – Commissioning Subcontractor for SAMSUNG C&T
Project : Qurayyah Independent Power Project (6x750MW) – Combined Cycle, KSA
Job title : Electrical Commissioning Team Leader
Job Description :

- Lead and coordinate Commissioning activities.
- Lead and coordinate electrical equipment Operation activities.
- Reporting to the Commissioning Manager.

- Conduct meeting with contractors, consultant's designers and asset holder department(s), as and when necessary, to review testing and commissioning progress on daily and occasionally more frequent basis.
- Analyze and address critical areas of progress/delays in testing and commissioning.
- Ensure the setting up of safety and precautionary requirements.
- Participate in pre-construction Engineering reviews and project planning.
- Participate in management of change for engineering and construction of the project.
- Follow construction progress and participate in solving construction and installation problems.
- Supervise SWGR and MCC commissioning (SIEMENS Manufacture).
- Pre-commissioning, commissioning and start-up for Main transformers & auxiliary transformers.
- Supervise Commissioning of all medium voltage motors and low voltage.
- Supervise Commissioning of Isolated phase Bus Duct (IPB's).
- Supervise Commissioning of Generator Circuit Breakers (GCB).
- Supervising pre-operational, operational and load performance activities.
- Arrange to prepare a check/punch list of jobs after a pre-commissioning.
- Managing all aspects of pre-commissioning, commissioning and operation checkout, through initial energizing, startup of the new process and associated systems.
- Complete reliability run and performance test as per the client's request.
- Trip testing and interlocks.
- Production and submission of all work permits relating to commissioning and operation activities.
- Planning of 'on site' activities and allocation of available manpower on a daily basis.
- Participate in communicates with all project stake holders in a logical, systematic and timely manner.
- Complete necessary documentation for project turnover to client.
- Plant handover at the end of contract.
- Making on-site training for client engineers.
- Develop the Punch list Management Process with the Owner and consultant.
- Supervise, witnessing and certification of system/equipment during electrical completion tests, guarantee runs.
- Assist in managing smooth handing-over of facilities to the Asset Holder.

Dates : From Dec. 2010 till Jun. 2013
Employer : [EGYPTROL](http://www.egyptrol.com) (commissioning & operation sub-contractor for BOP Electrical and Mechanical Contractors)
Project : El-Atf Combined Cycle Power Plant 750MW

- Job title** : Warranty Engineer for CP-117 (Electrical Works) & CP-118 (Mechanical Works) for Simple Cycle & Combined Cycle Operation
- Job Description** :
- Lead and coordinate Maintenance activities.
 - Lead and coordinate Operation activities.
 - Reporting to the TOSHIBA Head office (Daily Report, Weekly Report and Monthly Report).
 - Conduct meeting with the client as and when necessary, to review testing and maintenance progress.
 - Contact with the vendors to resolve any equipment related problems.
 - Supervises Maintenance (Monthly checks, semiannual checks, Annual checks) with Client.
 - Mobilize manpower as per the maintenance schedule. Coordinate with the client to resolve interface problems.
 - Carry out detailed analysis of equipment maintenance, assessing the requirements of special tools / temporary facilities / equipments required for maintenance, prepare Equipment/Tools list and initiate procurement.
 - Study the engineering / technical documents/vendor information and prepare procedure for equipment maintenance.
 - Prepare maintenance schedule based on the quantum of job and duration for each activity as well as prioritize system requirements.
 - Follow the operation progress and participates in solving the problems.
 - Managing and received the contractual spare parts with the client and handover to them.
 - Provide technical as well as manpower support to client during maintenance as per the contract.
- Dates** : From Apr. 2009 till Nov. 2010
- Employer** : [EGYPTROL](#) – Commissioning & Operation Subcontractor for BoP Electrical and Mechanical Contractors TOSHIBA/TOYOTA
- Project** : EI-Atf Combined Cycle Power Plant 750MW
- Job title** : Leader of Electrical Commissioning & Operation Teams for CP-117 (Electrical Works) & CP-118 (Mechanical Works) for Simple Cycle & Combined Cycle Operation
- Job Description** :
- Preparation of electrical commissioning procedures.
 - Review issued documents and provide feedback to engineering team as necessary.
 - Planning, coordinating, and following up electrical commissioning activities for BOP.
 - Leading EGYPTROL electrical commissioning and operation teams to conduct tests and put equipment in operation.
 - Coordination with construction teams, plant owner, other power plant contractors to meet the project schedule.
 - Reporting to the Commissioning Manager.
 - Conduct meeting with contractors, consultant's designers and asset holder department(s), as and when necessary, to review testing and commissioning progress on daily and occasionally more frequent basis.
 - Analyse and address critical areas of progress/delays in testing and commissioning.
 - Ensure the setting up of safety and precautionary requirements.

- Participate in pre-construction Engineering reviews and project planning.
- Participate in management of change for engineering and construction of the project.
- Follow construction progress and participates in solving construction and installation problems.
- Supervise SWGR and MCC commissioning with PO-122 (Schneider).
- Pre-commissioning, commissioning and start-up for Main transformers & auxiliary transformers.
- Arrange to prepare a check/punch list of jobs after a pre-commissioning.
- Managing all aspects of pre-commissioning, commissioning and operation checkout, through initial energizing, start-up of the new process and associated systems.
- Commissioning of all medium voltage motors and low voltage for CP-118.
- Conducting the function test for motorizing and control valves.
- Supervising pre-operational, operational and load performance activities.
- Complete reliability run and performance test as per the client's request.
- Trip testing and interlocks.
- Production and submission of all work permits relating to commissioning and operation activities.
- Planning of 'on site' activities and allocation of available manpower on a daily basis.
- Participate in communicates with all project stake holders in a logical, systematic and timely manner.
- Complete necessary documentation for project turnover to client.
- Plant handover at the end of contract.
- Making on-site training for client engineers.
- Develop the Punch list Management Process with the Owner and consultant.
- Supervise, witnessing and certification of system/equipment during electrical completion tests, guarantee runs.
- Assist in managing smooth handing-over of facilities to the Asset Holder.

Dates	:	From Feb. 2007 till Apr. 2009
Employer	:	Upper Egypt Electricity Production Co.
Project	:	Assiut Thermal Power Plant 2x325MW
Job title	:	Senior Electrical Maintenance Engineer
Job Description	:	<ul style="list-style-type: none"> • Maintaining the following equipments in Assiut Power Station: <ul style="list-style-type: none"> - Transformers: <ul style="list-style-type: none"> ▪ Main transformers: 22/220KV - 425MVA ▪ Start-up transformers: 220/6.6/6.6KV - 32MVA ▪ Excitation transformers: 22/0.6KV - 3.4MVA ▪ Low voltage transformers: 6.6/0.4KV - 1.25MVA - Motors: <ul style="list-style-type: none"> ▪ Medium voltage motors: 6.6KV ▪ Low voltage motors: 380V

- Switchgears:
 - Medium voltage switchgears 6.3KV vacuum and SF6 circuit breakers
 - Low Voltage switchgears 380V
 - Motor Control Centers
- Lead and coordinate electrical equipment maintenance activities.
- Manage and prioritize workloads.
- Make analyses for electrical troubleshooting.
- Prepare procedure for systematic and sequential pre-commissioning / commissioning / start-up of electrical equipment after maintenance from the engineering / technical documents / vendor information.
- Supervise work according to routine maintenance schedules for power plant and equipment.
- Ensure the setting up of safety and precautionary requirements and procedures are followed before, during and after maintenance.
- Team Leader & Coordinator of electrical equipments maintenance activities schedules with other internal departments.
- Provide effective support to the team to maximize the contribution made to the power plant objectives.
- Making daily technical reports about the maintenance work which was done & spare parts which was used in maintenance work for Electrical Maintenance Manager.
- Delegate effectively and create a work climate where people succeed and empower people to take action.
- Demonstrate the ability to influence events and achieve objectives to time and budget.
- Trainer for Electrical Maintenance Engineers.

Dates : From Dec. 2002 till Feb. 2007

Employer : Upper Egypt Electricity Production Co.

Project : Assiut Thermal Power Plant 2x325MW

Job title : Shift Charge Engineer

Job Description :

- Making daily technical reports about the units abilities and efficiencies for Head of Operation Dept.
- Supervise and distribute work during the shift.
- Receive and carry out instructions from the power station management.
- Brief, instruct and train subordinate staff according to instructions issued.
- Issue switching instructions prior to issuing a permit to work if the Operation Engineer does not issue them.
- Carry out switching as authorized by the management.
- Carry out / supervise and ensure that safe and proper switching is carried out.
- Issue permit to work, sanction for test and limitation of access in accordance with regulations.
- Report verbally and in writing any faults that have occurred.
- Maintain files and records of instructions, memoranda, etc. in good order.
- Supervise personnel safety and report all hazardous events and accidents.

- Keep records of operations, faults, switching, hydrological conditions, etc.
- Attend to faults that have occurred in order to rectify them himself or call for assistance as soon as possible (with due regard to instructions issued).
- At shift change, inform the next shift about the current operating situation, orders, issued permit to work and any other matters that are necessary to know for the operation of the power station.
- Hand over the plant from maintenance in line with the operation schedules and requirements.
- Anticipating and responding effectively to operational demands and assist in achieving safe and efficient generation.
- Achieve / exceed operational expectation, maintain power plant stability and assure stations operation efficiency.
- Connect and disconnect electrical circuit.
- Administrative executive for the shift.

Dates	:	From Apr. 1995 till Dec. 2002
Employer	:	Upper Egypt Electricity Production Co.
Project	:	Assiut Thermal Power Plant 2x325MW
Job title	:	Shift Operation Engineer
Job Description	:	<ul style="list-style-type: none"> • Supervising casual labourers, entrepreneur's staff, etc. • Checking round the plant according to instructions, taking readings of instruments, gauges, etc. • Lubricating, cleaning, adjusting and carrying out minor maintenance work on equipment and machinery, as specified in the scheduled maintenance chart or as instructed by the Shift Charge Engineer. • Assisting the Shift Charge Engineer and the Control Room Technician with operation of switching apparatus that can not be remotely controlled from the control room, troubleshooting, etc. • Assisting the Shift Charge Engineer in operational duties outside the control room. • Reporting abnormal observations, faults, etc. to the Shift Charge Engineer. • Carrying out any other duties or instructions delegated. • Making quality decisions and exercise sound judgment. • Control of active and reactive power, voltage, current, temperature, etc. according to settings. • Start-up, synchronize, lead and shut down units as required. • In case of system disturbance, normalization of system through safe and accepted switching procedures. • Perform all switching that can be done from the control room. • Monitor, control, record and report indications, alarms, trips, faults and abnormalities observed.
Field of experience	:	Power Plants operation, maintenance and commissioning, especially Thermal Power Plants (steam turbines, gas turbines and combined cycle).