

Talaat Abdel-Aal Hassanin Awyda Head of Electrical Maintenance Dept.

Holds a B. Sc. and post graduate Diploma in Electrical Power Engineering. Has about 21 years hands-on experience 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. Became Head of Electrical Maintenance Department at Assiut Power Plant.

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 Mar. 2015 till now
Project : Assiut Power Plant (2x320MW)
Job title : Head of Electrical Maintenance Department

Dates : From Jun. 2013 till Mar. 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 Nov. 2010 till Jun. 2013

Employer : [EGYPTROL](#) – Warranty Representative for BoP Contractor TOSHIBA/TOYOTA

Project : El-Atf Combined Cycle Power Plant 750MW (2x2x1)

Job title : Electrical Warranty Engineer

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.
- Supervise 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 : El-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** :
- Lead and coordinate Commissioning activities.
 - Lead and coordinate electrical equipment Operation activities.
 - Reporting to the Commissioning Manager.
 - Analyze and address critical areas of progress/delays in testing and commissioning.
 - Ensure the setting up of safety and precautionary requirements.
 - 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.
 - 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, startup 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: <ul style="list-style-type: none"> ▪ 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	:	<ul style="list-style-type: none"> • 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).