

Holds a B. Sc. in Electrical Engineering and has more than 10 years hands-on experience in fossil power stations (steam plants) working in commissioning activities, start-up, operation, reliability tests, performance test, until commercial operation achieved.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/05/1978
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Engineering, Assiut University, 2001
: Post graduate diploma in problems of Harmonics on Power Systems, Cairo University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Training Course in Operation of Steam Power Plants and its Auxiliaries, BECHTEL (8 weeks), Cairo.
: Training Course in the Main Problems in Thermal Power Plant and how to solve it, El-Kureimat Training Center (6 weeks), Cairo.
: Training Course in Operation and Maintenance of GAS Generation Power Plants, SIEMENS (4 weeks), GERMANY.
: Training Course in Design and Construction of Power Transformers Distribution Panels, VTs, CTs and Motor Control Circuit, Network Training Center (6 weeks), Cairo.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2010 till May 2011
- Employer** : ANSALDO CALDAIE
- Project** : El-Tebbin Thermal Power Plant
- Job title** : 2x350MW Generation Units Commissioning & Local Operator Engineer
- Job Description** : Commissioning Engineer:
- Start-up and commissioning of mechanical systems (water, fuel and steam) as well as steam boiler operation; deep understanding of industrial safety practices.
 - Developing system scoping documents, reviewing turnover packages and providing recorded data for system equipments (working closely with client personal and vendor service engineers).
 - Capability of pre-commissioning activities reviewing engineering drawing and specifications to ensure adequate provisions that will be made for testing, flushing, cleaning, steam blow-down and the ability to conduct systems walk down generating punch lists.
 - Responsible for and to lead and coordinate the commissioning activities of the various sub-contractors, together with the site team and the client to organize and supervise the plant functional tests and performance tests.
 - Set-up, together with the client, the safety procedures related to commissioning (including lock-out tag-out).
 - Maintain the commissioning log book and punch list.
- Plant Local Operator Engineer:
- Local Operator Engineer during First start-up, shutdown and in normal operation for two steam boilers (ANSALDO 1100T/H CAPACITY) natural circulation.
 - The supervision, coordination and direction of assigned operating personnel in the performance of all operating shift activities.
 - Performing the required activities of the control room, plant operator and performance monitoring of all equipment, test.
 - Maintaining high professional, personnel and equipment safety and environmental consciousness of compliance standards and practices.
 - Maximizing plant efficiency and profits without degrading personnel and equipment safety practices, environmental requirements or concerns or the long term operation of the plant.
 - Ensuring all environmental permit conditions was met.
 - Perform other assigned independent, team or shift tasks such as system expert, industrial safety program activities, routing maintenance tasks, housekeeping and general facility preservation, etc.
 - Assist in developing and refining operational policies and procedures.
 - Assist in identifying and implementing plant or profit improvement projects.
 - Assist in developing the annual budget and training plan for plant operations.
 - Respond quickly to plant conditions or requirements which may involve extended and/or abnormal work hours.
 - The ability of administration safety and clearance tagging procedure and installation of work permits.

Dates : From Nov. 2008 till Feb. 2010
Employer : Alssalim for Constructions (KSA)
Job title : Diesel Generation Units & Transformer Substations Construction Engineer
Job Description :

- Construction of Diesel Generation Power Plants up to 30MW unit, Transformer Substations 33KV and its auxiliaries.
- Carrying out commissioning and start-up works for Diesel Generation Power Plants.
- Follow up first testes and commissioning works for Cables, Transformers, CT, VT, C.B and bus bars with subcontractors like Siemens and Schneider companies.
- Familiar with preparing spare parts lists for equipments.
- Familiar with preparing the required spare parts.
- Familiar with the warehouse supervision and stander specifications.
- Familiar with firefighting systems.

Dates : From Jul. 2006 till Nov. 2008
Project : El-Kureimat Combined Cycle Power Plant (750MW)
Job title : Construction Engineer for Combined Cycle Gas Turbine
Job Description :

- Supervising installing for all aux. equipments.
- Check on all material which incoming from suppliers and make daily report about all works achieved from contractor.
- Site Supervisor Engineer in El-Kureimat Combined Cycle Power Plant Erection and 220KV Substation Construction Project.
- Follow up commissioning and start-up of the gas turbines 2x250MW units.
- Start-up, shutdown and trip restoration of Gas turbines 2x250MW units.
- Construction of Generation Power Plant electrical equipments such as Motors, Transformers, UPS and Power Control Panels.
- Full knowledge about all electrical and mechanical elements.

Dates : From May 2003 till Jul. 2006
Employer : PGESCO (Power Generation Engineering and Service Company)
Project : El-Kureimat Thermal Power Plant (2x627MW)
Job title : 627MW Generation Units Operator (DCS) Engineer
Job Description :

- Shift operator local and control room operator engineer (DCS and MARK V).
- Monitoring equipments and take general station performance reading.
- Operation for boiler Babcock, capacity 2100 t/h, natural circulation and the steam turbine (GE, 627MW 811KVA) and its auxiliaries.
- Operation for step up/down units and auxiliaries transformers (23/500KV, 220/6.3KV).
- Preparation of operation manual and operation procedure.
- Start-up and shutdown the unit in safe operation for the units.
- Operation of Emergency Power Systems (UPS, Diesel Generators).
- Operation of electrical equipments, hydrogen production plants and instrument air center fugal compressors 8 bar.

Dates : From Aug. 2001 till May 2003
Employer : UPPEC

- Project** : Assuit Thermal Power Plant (2x312MW)
- Job title** : 312MW Generation Unit Operator (BTG Board) Engineer
- Job Description** :
- Operation for tow boilers (Mitsubishi and Ansaldo 1025 t/h), forced and natural circulation.
 - Operation for step up/down units and auxiliaries transformers (23/220KV, 220/6.3KV).
 - Checking all electrical and mechanical equipments during shift.
 - Responsible for the safe start-up, shutdown and units normal operation.
 - Thermal power generation units each one 312MW.
 - H₂/O₂ generation plants, reciprocating, rotary and screw air compressors up to 10 BAR.
 - Diesel generator 2x1.2MW.
 - Water system, pumps and motors.
 - The auxiliary systems (fire fighting system, service cooling, closed cooling).
 - Issue the maintenance requests and follow up the executing of work permits with the maintenance teams.
 - Training the new staff.
- Field of experience** :
- Power Engineer with over 10 years experience in fossil power stations (steam plants) working in commissioning activities, start-up, operation, reliability tests, performance test, until commercial operation achieved.
 - Mechanical Start-up Engineer: review line up, start-up, shut down, procedures.
 - Supervision of Operation Engineers.
 - Shift Charge Engineer.
 - Control Room Operator: Westinghouse WDPF II DCS, MHI DCIS, BTG.