

Holds a B. Sc. in Mechanical Engineering and has about 14 years hands-on experience in fossil power generating stations (steam power plant), dealing with all activities related to operation and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/12/1979
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Engineering, Helwan University, 2002

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D
: Matlab

TRAINING COURSES AND CERTIFICATIONS

: Air compression system inspection.
: Center fugal pump design and function.
: Operation of the steam power plant s by USAID (4 weeks).
: Maintenance of the steam boilers natural and circulation types.
: Operation of the gas turbine and combined cycle.
: GE (General Electric) training of GAS TURBINE operation.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2013 till now
Employer : Saudi Electricity Company
Job title : Mechanical Instructor Engineer

- Job Description** :
- Operation and Maintenance Technical Instructor for GE steam and gas Turbine.
 - Training the trainee in class room and the field of power plant mechanical operation.
 - As a part of the course we expose the trainees to plant and explain the plant equipment's on the job.
 - Participate in the curriculum developing including the lessons and task analysis.
 - Training the trainees in the field of power plant mechanical maintenance and ensure that trainees have got the requisite knowledge and skills to perform their jobs competently and safely.
 - Conduct training courses including installation, maintenance and repair of rotating and static equipment as required.
 - Prepare Course pacing schedule and lesson plan.
 - Ensure that the equipment in the workshops is suitable and adequate in number to complement the training and assessment.
 - Assist in identifying suitable redundant equipment from Power Plants for training purposes where required.
 - Purchase the required Tools & equipment for training.
 - Prepare & issue purchase orders of requested items for training in accordance with selected suppliers, price and technical specifications.
 - Suggesting ways of continually improving the training programs.
 - Participate in the curriculum developing including the lessons and Practical tasks.
 - Test the trainees based on the training program to gauge the trainee's delivery understanding and compile report to Senior Instructor.
 - In coordination with the Senior Instructor, maintain the Internal Verification and Quality Assurance systems to ensure that the quality of the programs is maintained.
 - Member in the Occupational Safety and Health Management System team in Riyadh Training Institute and we have got four Stars in the final Audit.

Dates : From Jun. 2012 till Sep. 2013

Employer : Kuwait Electricity Company

Project : El-Shuaiba South Generation Power & Distillation Plant (6x150MW)

Job title : Shift Charge Engineer

- Job Description** :
- Field Operator for (6x150MW) turbine-generator and auxiliaries.
 - Start-up and shutdown the unit in safe operation for the units.
 - Follow system flushes, Steam blows, Hydrostatic and Pneumatic Testing.
 - Coordinate the Operation Testing, Commissioning and Start-up of the plant.
 - Perform Isolation and Safety Tag out of equipment.
 - Train operators in the proper care of equipment.
 - Design Review for mechanical equipment as per contract.
 - Following-up the progress and work quality of the mechanical contractors.
 - Witness mechanical commissioning and provide general Quality Assurance.
 - (6) MSF type distillation unit of each 6 MIGPD capacity.

Dates : From Jul. 2010 till Jun. 2012
Employer : Egyptian Electricity Company
Project : El-Kureimat Thermal Power Station (2x627MW)
Job title : Mechanical Maintenance Engineer
Job Description :

- Steam turbine generator with El-Kureimat 1 (627MW, S.N 270T305) GE:
 - Carrying out overall for steam turbine GE (627MW).
 - Carried out overall maintenance for boiler feed water pump turbine GE (7.5MW).
 - Carrying out overall maintenance for generator (S.N 280T305) combined main valve, combined reheat valve (stem Run out, make blue check between plug and seat and inspection for crack).
- Experience which have accepted during over all maintenance:
 - How to make inspection for:
 - None-Destructive Tests for all turbine parts.
 - Bearing Inspection (Tilting pad and elliptical bearing).
 - Couplings (flatness & rabbet fit).
 - How to make open & close clearances for turbine parts (wheel, diaphragm, spill strip diaphragm packing).
 - How to make turbine Rotor runouts.

Dates : From Nov. 2007 till Jun. 2010
Employer : Egyptian Electricity Company
Project : El-Kureimat Thermal Power Station (2x627MW)
Job title : Shift Operation Engineer
Job Description :

- Responsible for the safe start-up, safe operation and safe shut down for units from DCS & MARK V.
- Two thermal power generation units each one 627MW.
- Preparation of operation manual and operation procedure.
- Operation for boiler Babcock, capacity 2100 t/h, natural circulation and the steam turbine (GE, 627MW, 811MVA) units MSF capacity 2100t/h for each.
- Maneuvers for load centers, switchgear (6.3KV) and switchyard 500/220KV.
- 220KV, GIS (substation), switchgear 6.3KV, load center 400v, motor control center (MCC) and UPS system.
- H2/O2 generation plant & 50 t/h auxiliary boiler.
- Diesel generator 2x1.2MW & the auxiliary system (firefighting system, service cooling water system, demi water).
- Issue the maintenance requests and follow up the executing work permits with the maintenance team.
- Training the new staff.

Dates : From Sep. 2003 till Nov. 2007
Employer : Helwan Machinery and Equipment Company
Job title : Mechanical Maintenance Engineer
Job Description :

- Installation, start-up and commissioning of mechanical static and rotating for machine tools (lathes, drills, milling and cutting m/cs).
- Troubleshooting, performance monitoring and calculation of critical Machinery.

- Preparing lists of spare parts for safe operation.