

Holds a B. Sc. in Mechanical Power Engineering and a Diploma of Turbo Machinery Engineering. Has about 15 years experience working in operation and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/02/1987
Gender : Male
Marital Status : Married
Residence : Sharkia

EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 2010
: Diploma of Turbo Machinery Engineering, 2015

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Operation and maintenance training course on Heat recovery steam generation (HRSG), Ansaldo Caldaie Training Center, Milano, Italy.
: Operation Training Course on Steam Turbine Generator, Air Cooled Condenser and Auxiliaries.
: Egyptian Valves Company (Evaco for petroleum valves).
: Fundamental maintenance of pumps.
: AutoCAD training course.
: Water treatment and (STP) course.
: Vibration.
: HVAC & Chillers.
: Fire-fighting.
: Amplisma.

: ICDL

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2011 till now

Employer : East Delta Electricity Production Co.

Project : El-Shabab CCPP 4x4x1 CCGT (1500MW) (8x125MW) - GE gas fuel turbine (FRAME 9E) with (Hyundai 165 MVA Transformers, ARIVA Generator Circuit Breakers, ALSTOM Isolated Phase Bus, MARK Vie Control and EX2100R Exciter) and (2x250MW) steam turbine with (Air cooled condenser ACC)

Job title : Shift Charge Operation Engineer

Job Description :

- Manage the Control Room shift and ensure that the control room is permanently staffed.
- Gas turbine operation.
- Steam turbine operation.
- HRSG (heat recovery steam generator) operation.
- Water treatment operation.
- ACC operation.
- Operating for SIEMENS GIS 220KV.
- Operating for Schneider MV SWGR 6.6KV.
- Operation and monitoring of the plant equipment's like fuel systems, turbines systems, generators systems, pumps and electrical systems.
- Operate and monitor the Distributed Control System, HMI, Continuous Emissions Monitoring, and all other control room and station control systems in order to maintain the safe and efficient operation of the plant and process.
- Monitor plant and process to ensure that operation is in accordance with all relevant Operating Procedures.
- Perform operations monitoring rounds in the field and support the maintenance of the equipment with routine interventions.
- Understand and respond to variances in normal station operating parameters and take necessary corrective actions to maintain safe operation of the station from the control room or in the field.
- Implement all necessary Environmental, Health and Safety measures for safe operation and maintenance activities at the Power Station.
- Ensure compliance with all site Quality Procedures, Work Instructions and EHS Procedures.
- Execute and assist in routine testing of plant and equipment.
- Troubleshooting of gas turbine.
- Changes loading of turbines/generators as required from the Board or through DCS.
- Reads meters and records data at specified intervals in appropriate logs and computers.
- Teams with the work of other operation employees on shift to insure successful start-up, operation, and shut-down of units.
- I was one of the team that responsible for GE Gas turbine combustion inspection (CI) and transfer the units from Standard to DLN, and after 24000 hours of operation we made 8 Hot Gas Path Inspections for GE Gas Turbine 125MW Frame 9E.

- Feed water pumps, condensate pumps operation and maintenance.
- I have set up a Training Course on How to Operate Gas Turbine and I gave it Four Times to New Operation Engineers.
- Assist the Shift Charge Engineer and ensure that activities assigned to him are performed in accordance with approved operating work plans, quality standards, time schedules, and other operating requirements.
- Responsible for safe start-up / shut down of the plant as per the Standard Operating Procedures.
- During installation and commissioning the gas turbine units: Works as Technical Support Engineer ahead of following mechanical commissioning activities with Kharafi National team supervised by GE:
 - Follow up implementation of the daily activity reports.
 - Blowing and flushing for the different systems according to GE supervision.
 - Compressor offline water wash process with detergent.
 - Installation of evaporative cooler system.
 - Preparing a punch list for all missing mechanical activities according to the contract.
 - Studying P&ID of the gas turbine.
 - In charge of preparing technical diagnostic reports for any trip for units.
 - Prepare daily and monthly reports.
- Since I attend the station from it's construction, I have high experience in:
 - Gas turbine troubleshooting.
 - I have the knowledge for How to Operate Water Treatment Station.
 - Diesel Engines Operation.
 - Compressor Maintenance.
 - Hydraulic and Lube Oil Lubrication Systems Maintenance.
 - Closed Cooling Systems Maintenance.
 - Pumps Selection & Maintenance.
 - Maintenance and Calibration for a lot of types of Valves.
 - HVAC Maintenance.
 - Operating for SIEMENS GIS 220KV.
 - Operating for Schneider MV SWGR 6.6KV.
 - Maintenance and Operation pumps.
 - HRSG operation and maintenance.
 - Compressor maintenance.
 - Steam turbine operation.
 - Valves O&M.