

Holds a B. Sc. in Electrical Power Engineering and has over 20 years hands-on experience working in operation at Steam Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/10/1980
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2000
: Matlab, Pspice and Workbench

TRAINING COURSES AND CERTIFICATIONS

: Training in WEBCO.
: Technical training in Group Schneider in Drives and Soft starter.
: Training course of water treatment.
: Training course of operation steam power plant.
: Training course of Turbine and generator operation by Mitsubishi Ltd. (Egypt).
: Training course of boiler operation by Ansaldo Caldaie (Egypt).
: Training course of Protection system SIPROTEC4 by Siemens (Germany).
: Technical Information course High voltage Switchgear (GIS) (Germany).
: SICAM PAS Training (Germany).
: Training in package in lighting by Philips (Calculus).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2020 till May 2020
Employer : SEPCOIII Construction Ltd
Project : Yanbu Power Plant (5x650MW) Supercritical - Saudi Arabia
Job title : Lead Operation Engineer
Job Description :

- Coordinate the work between the operation team and the maintenance team like work permanents according to the defects and troubleshooting.
- Collect the reports from shift supervisors and arrange between shifts in charge.
- Attending the owner meeting every day to update the situation of operation.
- Familiar with the Alstom boiler supercritical and STG GE Turbine.
- Making the daily report for all units' statues and the sequence of events.
- Coordinate with process department to making root cause analysis (RCA) for all troubles and trip for any unit of the plant.
- Proceed the work permanents with Maintenance Engineer.
- Experience for coordinate the work with dispatch.
- Ability to work under pressure.

Dates : From 2018 till 2020
From 2011 till 2016
Project : Abu Qir Steam Power Plant (2x650MW)
Job title : Supervisor Shift Operation Engineer
Job Description :

- Experience in commissioning, troubleshooting and testing of equipment high voltage (220KV and 500KV) transformers and its protection (differential, over current, earth fault, temperature protection, ...etc.) current and potential transformers.
- Experience in operate the boiler (ANSALDO) by ignition gas fuel or heavy oil fuel knowing all boiler auxiliaries such as forced draft fans, gas recuicle fan cooling fans and regenerative air heater.
- Control the super heat temperature by the attemperation spray and reheat temperature by gas recuicle fan and control steam pressure to be ready to roll the turbine (Mitsubishi) and control the speed till to generate power and transmitted this power to 500KV network.
- Taking readings from the field operator and making reports.
- Making analysis according to the reports.
- Making the work permanents according to the troubleshooting.
- Proceed the work permanents with Maintenance Engineer.
- Team Leader of the shift which has 6 engineers for each unit (2 engineers for boiler, 2 engineers for auxiliaries and 2 engineers for turbine).
- Experience for coordinate the work with dispatch.

Dates : From Dec. 2017 till Jun. 2018
Project : Damietta Power Plant (4 GT x 125MW + 1 ST 250MW)
Job title : Supervisor Shift Operation Engineer
Job Description :

- Experience in operate the boiler (ANSALDO) HRSG (Heat recovery steam generation) Operate boiler using BMS (Foxboro).

- Matching temperature between GT and HRSG to opening the diverter damper.
- Control the level drums (for 4 HP drums & 4 LP drums).
- Control the super heat temperature by the attemperation spray.
- Monitoring the parameters of HRSG such as the super heat steam temperature and metal temperature of drums.

Dates : From May 2016 till May 2017
Project : Suez Steam Power Plant (1x650MW)
Job title : Supervisor Shift Operation Engineer
Job Description :

- Experience in operate the boiler (ANSALDO) by ignition solar fuel or heavy oil fuel knowing all boiler auxiliaries such as forced draft fans, gas recuicle fan cooling fans and regenerative air heater.
- Operate boiler firing using BMS (Schneider).
- Control the fuel and gas system.
- Control the boiler master (both fuel and air).
- Control the super heat temperature by the attemperation spray and reheat temperature by gas recuicle fan and control steam pressure to be ready to roll the turbine (Alstom).
- Taking readings from the DCS and making reports.
- Making analysis according to the reports.

Dates : From 2003 till 2011
Project : Abu Qir Power Plant
Job title : Shift Operation Engineer
Job Description :

- From 2003 till 2008:
 - Boiler Field Operator, check all components of boiler such as forced draft fans (FDF), air heater (RAH), gas recuicle fan (GRF).
 - Taking reading for bearing oil (pressure and temperature) of fans.
 - Check the level oil for regenerative air heaters and the fans.
 - Check all fuel lines (as or heavy oil) by reading the pressure and notice if there is any leakage.
 - Check all flame scanners of burners.
 - Record all plant/auxiliaries operating data, including all alarms and protective devices being actuated and reports any deviation to the Shift Charge Engineer necessary action.
 - Responsible for raising fault notification on equipments vital to the continuous operation of the plant.
 - Perform other related duties as may be assigned by immediate superior from time to time.
 - Member of emergency response team.
 - Attend required and non-required training for regulatory compliance as well as personal development.
 - Able to perform equipments testing with maintenance crew after defects rectification.
 - Have to manage and coordinate the fuel unloading process with logistic workers and security team.
- From 2008 till 2011:
 - Control Room DCS Process Engineer, operate the boiler from DCS from purge, first ignition by gas for all burners, control the super heat, reheat temperature and convert the ignition from gas fuel to

heavy oil fuel.

- Taking reading of boiler parameters (furnace pressure, main steam flow, super heat temperature and pressure, reheat temperature and pressure, fuel pressure and economizer temperature).
- Start-up, shut down & safe operation for main boiler and its auxiliaries including: natural gas firing, mazout firing, soot blowing system.
- Start-up, shut-down & safe operation for main turbine and its auxiliaries including: lube & control oil system, seal oil & seal steams, condenser vacuum & evacuation systems generator cooling & filling systems, turbine extraction & drains.
- Start-up, shut down & safe operation for the auxiliary's systems including: feed water system using variable speed turbine driven feed water pumps, condensate water system, closed cooling systems, service water system, circulating water system, compressed air system, Hydrogen plant.
- Monitor the operating conditions of the power plant systems, record findings and readings.
- Direct field operator to assist the Shift Supervisor in the safe operation of the facility.
- Perform inspection of plant equipment, systems and facilities.
- Responsible for operating plant controls to minimize or eliminate forced outages, curtailments and de-rates.
- Support and preserve the best thermal performance of the unit.
- Operate the unit in an efficient manner that will help with maintaining the heat rate and availability.
- Maintain the unit in compliance with all emissions limitations in accordance with the environmental permits and informs the shift Supervisor if a limit is exceeded.
- Understand, adhere and comply with the site's Environmental Health & safety program.
- Attend required and non-required training for regulatory compliance as well as personal development.

- Dates** : From Oct. 2002 till 2003
- Employer** : MEETCO – distributor of Group Schneider (Telemecanique and Merlin Gerin) and agent for JUMO Company
- Job title** : Application & Sales Engineer
- Field of experience** :
- Experience in installation and programming of (speed drives, soft starter, contactors, over load ...etc.) and (PID controllers, all transmitters, dial thermometers of transformers, pressure gauge ...etc.).
 - Analysis the tenders and the quotations.
 - Making specification of all ranges of products at tenders.
 - Making prices of all products.