106521-ELE-1OS-E-2010
Shift Charge Operation Engineer

Holds a B. Sc. in Electrical Power Engineering and has about 8 years hands-on experience working in operation and start-up at Power Plants.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	17/11/1988
Gender	:	Male
Marital Status	:	Married
Residence	:	Suez

EDUCATION

: B. Sc. in Electrical Power Engineering, El-Shorouk Academy, 2010

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Basic Course of steam power station.
: Advanced Course of steam power station.
: Course at control and instruments.
: Course at advanced word 2003.
: Training in General Electric Company for turbine maintenance in Germany for 1 month.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2014 till now
Employer : East Delta Electricity Production Company
Project : El-Sokhna Power Station (1300MW Supercritical)
Job title : Shift Charge Engineer (Operation Engineer)
Job Description :

- Attend and witness all equipment commissioning activities testing, lube oil and control oil flushing, initial operation and heat run tests for all HITACHI & DOOSAN & Intec auxiliaries 2x650MW steam unit (turbine &

boiler & auxiliaries).
- Steam blow.
- Start-up and shut-down procedures for thermal power plant 2x650MW (Cold, Warm and Hot Start-up and normal or emergency shut-down).
- (Hitachi) Turbine & auxiliaries operation. And reporting the equipment condition during normal operation.
- (DOOSAN) Boiler & auxiliaries operation and reporting the equipment condition during normal operation.
- Testing and changing-over for all Mechanical equipment locally and from control.
- Making connection and disconnection for electrical circuits of 500KV, 6.3KV and operation of electrical diesel-generators.
- Making daily technical reports about the unit's abilities & efficiencies.
- A good working knowledge of industrial safety requirements.
- Coordinate and supervise all operation activities between all contractors.
- Participate in issuing procedures systems first start-up and first operation.
- Perform work permits and equipment lock out tag out.
- Participate in issuing punish list items.
- Making daily technical reports about the unit activities.

Dates : From Apr. 2011 till Sep. 2014
Employer : East Delta Electricity Production Company
Project : Ataka Power Station (900MW Supercritical)
Job title : Operation Engineer
Job Description :

- Field Process Engineer:
  - Inspect the unit's and it's auxiliaries, electrical, mechanical, control and instrumentation equipment condition prior to start-up, during operation and after shutdown.
  - 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.
  - Monitor operation of auxiliaries such as the plant switchgear and perform corresponding switching schedule as directed by the Shift Charge Engineer.
  - Able to operate plant common auxiliaries such as auxiliary boiler, emergency diesel, dematerialized water plant, desalinated water plant and chlorination plant.
  - 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 coordinates the fuel unloading process with logistic workers and security team.
- Control Room (DCS) Process Engineer:

- Start-up, shut down & safe operation for main boiler and its auxiliaries including: natural gas firing, mazout firing, start-up of aux, boiler, preparation of reboiler system, soot blowing system & chemical cleaning.
- Start-up, shut-down & safe operation for main turbine (SIEMENS) 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 auxiliaries 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.
- 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.
- Operate the unit in an efficient manner that will help with maintaining the heat rate and availability.