

Holds a B. Sc. in Mechanical Power Engineering and has over 8 years hands-on experience working in operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/02/1981
Gender : Male
Marital Status : Married
Residence : Suez

EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2009

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 in control and instruments.
: Course in advanced Word 2003.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2016 till now
Employer : PGESCO (Power Generation Engineering and Services Company)
Project : South Helwan 3x650MW Supercritical Power Station
Job title : Commissioning Engineer

Dates : From Jun. 2016 till Dec. 2016
Project : Suez Thermal Power Station (650MW Supercritical)
Job title : Shift Charge 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 Alstom & Ansaldo & Intec auxiliaries 1x650MW steam unit (turbine & boiler & auxiliaries).
- Steam blow.
- Start-up and shut-down procedures for thermal power plant 1x650MW (Cold, Warm and Hot Start-up and normal or emergency shut-down).
- (Alstom) Turbine & auxiliaries operation. And reporting the equipment condition during normal operation.
- (Ansaldo) 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.
- Starting up operation for unit with B.F.P.T due to damage of electrical start-up feed pump.

Dates : From Jun. 2014 till Jun. 2016

Employer : East Delta Electricity Production Co. (EDEPC)

Project : El-Sokhna Power Station (1300MW Supercritical)

Job title : Shift Charge 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 Jan. 2010 till Jun. 2014
Employer	:	East Delta Electricity Production Co. (EDEPC)
Project	:	Ataka Power Station (900MW Supercritical)
Job Description	:	<ul style="list-style-type: none"> • Field Process Engineer: <ul style="list-style-type: none"> - 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 performs 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 coordinate the fuel unloading process with logistic workers and security team. • Control Room (DCS) Process Engineer: <ul style="list-style-type: none"> - 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.

Dates : From Aug. 2009 till Dec. 2009

Employer : Ceramic Cleopatra Group

Job title : Mechanical Engineer

Field of experience :

- Full knowledge about steam boilers (water tube boiler).
- Full knowledge about steam turbine.
- Full knowledge about burners (natural gas and heavy fuel oil).
- Full knowledge about pumps (rotary pumps and reciprocating Pumps).
- Full knowledge about air compressors (reciprocating Compressors).
- Full knowledge about hydraulic systems (solenoid valves Accumulators & pistons & cylinders and oil pumps).
- Full knowledge about water condensers and cooling towers.
- Knowledge about bearings (roller bearing and journal bearing).
- Knowledge about vibration and balancing.
- Knowledge about valves (motorize type and pneumatic type).
- Knowledge about heat exchangers (shell and tube type).
- Knowledge about water treatment.