

103661-ELE-1OS-E-2009
Senior Shift Operation Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 7 years hands-on experience working in operation, commissioning and start-up at El-Kureimat Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1988
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2009

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: PLC and SCADA systems
: Visual Basic 6.0
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

: ITEC Training Program on "Renewable Energy and Energy Efficiency", New Delhi, India (Feb./Mar. 2016).
: Solar island operation works, ORASCOM (Aug. 2013).
: DCS operation of integrated solar combined cycle plant in El-Kureimat, ABB (May 2010).
: Electric protection, IBERDROIA (May 2010).
: Switchyard, IBERDROIA (May 2010).
: Electrical systems, IBERDROIA (May 2010).
: Mechanical systems, IBERDROIA (May 2010).
: Continuous emission monitoring system, ANATRAC (Apr. 2010).
: Veolia water system, VEOLIA (Apr. 2010).
: Basic training in Heat Recovery Steam Generator (HRSG), NEM (Apr. 2010).

- : Basic course "SST-900", SIEMENS (Mar. 2010).
- : General concept of a combined cycle, IBERDROIA (Mar. 2010).
- : Generator excitation & static frequency control, GE (Mar. 2010).
- : Gas turbine generator operation, GE (Feb. 2010).
- : AutoCAD 2D certificate (Mar. 2009).
- : Summer training at Gulf of Suez Petroleum Co. (GUPCO) (Jul. 2008).
- : Summer training at Cairo Electric Power Company (Jul. 2007).
- : Summer training at PETROJET Company (Jul. 2006).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2010 till now
- Employer** : New and Renewable Energy Authority (NREA)
- Project** : Integrated Solar Combined Cycle (ISCC) in El-Kureimat
- Job title** : Senior Shift Operation Engineer
- Job Description** :
- Perform start-up and operation process for gas turbine (6FA) GE (70MW), heat recovery steam generator (HRSG), steam turbine SIEMENS "SST-900" (60MW).
 - Operator for (cold, warm and hot) start-up, units load increasing and decreasing, normal operation and shut down, using MK VI (GT), PCS7 (ST), DCS and SCADA systems.
 - Operator for all BALANCE OF PLANT (B.O.P) equipments.
 - Perform the integration between the solar island and the thermal plant.
 - Coordination with the maintenance department to achieve the maintenance program.
 - Preparing the periodical reports which indicate the performance of the plants.
 - Using distributed control system (DCS) and supervisory control and data acquisition system (SCADA) (ABB: Freelance AC 800F).
 - Follow up the operation of the plants according to the environmental stipulations.
- Field of experience** :
- Participate in thermal power plant commissioning process.
 - Participate in solar island commissioning process.
 - Good knowledge about electrical systems such as:
 - Generation system.
 - Low voltage system.
 - Transformer system.
 - Emergency system.
 - Medium voltage system.
 - Electrical design criteria.
 - Switchyard and electrical protection system (66KV).
 - Generator excitation and static frequency control.
 - Good knowledge about MCC:
 - Good knowledge about ABB medium voltage MCC (6.6KV).
 - Good knowledge about LARSON & TUBRO low voltage MCC (415V).
 - Good knowledge about mechanical system such as:
 - Balance of plant (B.O.P) equipment's.

- Pumps, heat exchangers, drums, dearator, cooling tower, storage tanks.
- Pneumatic, hydraulic and motorized valves.
- Good knowledge about instrumentation such as:
 - Level, pressure and temperature transmitters and detectors.
 - DCS logic control and PLC systems.
 - Sensors and switches.