

102941-ELE-DE-E-2014 Electrical Design & Offering Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 3 years hands-on experience working as Design & Offering Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/02/1992
Gender : Female
Marital Status : Single
Residence : Helwan, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2014

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Dialux
: Revit
: Programmable logic controllers (PLCs)
: Matlab
: Vijeo Citect
: Psim (simulation program)

TRAINING COURSES AND CERTIFICATIONS

: Automation Basic Diploma (Schneider Electric).
: Cairo South Power Station (Jul./Aug. 2011):

- Operation & Maintenance of steam power plant, gas power plant, combined cycle power plant.
- Acquaintance with boilers, turbines, generators, circuit breakers, transformers, instrument.

: Ministry of Electricity and Energy, Egyptian Company for Electricity Transmission (Training Center Networks), Helwan (Aug. 2011).
: Iron & Steel Factory at Helwan (Jul. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2017 till now
Employer : Inteck Company
Job title : Electrical Design & Offering Engineer (water treatment plants)

Dates : From Jan. 2015 till Dec. 2016
Employer : Bioworks Egypt
Job title : Electrical Design & Offering Engineer (water treatment plants)

Projects:

- Tanan, Qalyob, Egypt (3000 m3/d)
- Kafr El-Dwar, Egypt (60,000 m3/d)
- Al Manayel, Egypt (10,000 m3/d)
- Hurghada, Egypt (90,000 m3/d)

Field of experience :

- Electrical design includes:
 - Electrical load calculation, Single line diagram, Transformer Size calculation, Generator Size calculation, Cable selection, Bus Bar Selection, Cable list, Voltage Drop, Short Circuit, Power Factor Correction, Cable Routing with details, Earthing System and Drawings, Lighting Calculation, Telephone System, Fire Alarm System, then prepare submittal for approval and follow-up with the consultant.
- Electrical offering includes:
 - Preparation of Electrical Offer for the projects, all electrical load calculation, Single Line Diagram, Transformer Size Calculation, Generator Size Calculation, Ventilation, Cable Selection, Bus Bar Selection, Cable List, Voltage Drop, Short Circuit, Power Factor Correction, Estimated Cable Routing, Wire Diagram Control, Substation Civil Guide, Earthing System and Drawings, Lighting Calculation and Distribution, Telephone System, Fire Alarm System.
 - Preparation of specifications and tender documents it's also include the coordination with the other disciplines to meet the client's needs and requirements and conform to approved codes and standards.
 - Preparation all Electrical Catalogues.
 - Connect with all suppliers to get technical and commercial offers for (Switchboards, Transformers, generators, earthing system, cables, Busway, ...) review received offers, Negotiate prices with suppliers.