103173-ELE-D-E-2014
Primary Design Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 2 years hands-on experience working as Primary Design Engineer.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	09/03/1993
Gender	:	Male
Marital Status	:	Single
Residence	:	Dokki, Cairo

EDUCATION

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

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD – ETAP – Dialux – Microstation

TRAINING COURSES AND CERTIFICATIONS

: Power System Protection level 1, 2 at 4act Center.
: Electrical distribution course (at 4act Center) (from Jan. till Mar. 2015).
: Matlab and Simulation, Helwan University.
: PLC 1, Siemens (Lab at Helwan University, Faculty of Engineering) (Jul. 2012).
: PLC 2, Siemens (Lab at Helwan University, Faculty of Engineering) (Oct. 2012).
: Automatic control, Elsherouq Family (at Helwan University, Faculty of Engineering) (Jan. 2013).
: Training at South Cairo Distribution Company in field of Distribution (Overhead Transmission lines – Cable Types) (Aug./Sep. 2013).
: Training at Networking Training Center in South Cairo (Oct./Nov. 2012).
: Training at Egyptian Electricity Transmission Company in field of substation and Protection (Circuit Breaker – CT – VT) (Aug. 2012).
: Training at Cairo North Power Station: Acquaintance with (SLD – Generators – Transformers – GIS) (Jul./Aug. 2012).

: Training at Egyptian Iron & Steel Company (Jun./Jul. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Apr. 2016 till now

Employer : MADKOUR EPC

Job title : Primary Design Engineer

Job Description : Working in the field of substation, power stations, and overhead transmission lines in contractual point of view and also deal with site activities and I work in the following projects in Egypt:

- Future Egypt Substation-1: 220/66/22KV Substation (Gis+Ais Outdoor) substation, I deal with following submittals:
  - Substation General Equipment layout.
  - Substation Cables Raceway (HV, MV, LV and Control Cable Raceway).
  - Gantry Area Arrangement.
  - Substation Cable Sleeves, Openings & Duct Banks Layout.
  - 66KV Ais outdoor Area Arrangement.
  - 220KV Gis Building Arrangement.
  - Control Building Arrangement.
  - Shielding System Design calculation & Layout.
  - Grounding System Design earth grid layout.
  - Equipment earthing layout & reinforcement earthing layout.
  - Bill of Quantities (BOQ) (cables, raceway, shielding, earthing…etc.).
  - Overhead Clamps Sizing and Arrangement
  - Overhead Conductor Sizing.
- Future Egypt Substation-2: 66/22KV Substation (Ais Outdoor) substation, I deal with following submittals:
  - Substation General Equipment layout.
  - Substation Cables Raceway (HV, MV, LV and Control Cable Raceway).
  - Gantry Area Arrangement.
  - Substation Cable Sleeves, Openings & Duct Banks Layout.
  - 66KV Ais outdoor Area Arrangement.
  - Control Building Arrangement.
  - Shielding System Design calculation & Layout.
  - Grounding System Design earth grid layout.
  - Equipment earthing layout & reinforcement earthing layout.
  - Bill of Quantities (BOQ) (cables, raceway, shielding, earthing…etc.).
  - Overhead Clamps Sizing and Arrangement.
  - Overhead Conductor Sizing.
- Al-Robiky Substation: 66/22KV (Ais Indoor) Substation, I deal with following submittals:
  - Substation General Equipment layout.
  - Substation Cables Raceway (HV, MV, LV and Control Cable Raceway).
  - Substation Cable Sleeves, Openings & Duct Banks Layout.
  - 66KV Ais indoor Building Arrangement.
  - Control Building Arrangement.
  - Shielding System Design calculation & Layout.

- Grounding System Design earth grid layout.
- Equipment earthing layout & reinforcement earthing layout.
- Bill of Quantities (BOQ) (cables, raceway, shielding, earthing…etc.).
- Overhead Clamps Sizing and Arrangement.
- Overhead Conductor Sizing.
- Al-Robiky Project: study 66KV Overhead transmission lines profiles and Sag & Tension Report and Towers types & foundations.

- Gardenia Substation: 220/22/22KV (Gis) Substation, I deal with following submittals:
  - Substation General Equipment layout.
  - Substation Cables Raceway (HV, MV, LV and Control Cable Raceway).
  - Substation Cable Sleeves, Openings & Duct Banks Layout.
  - 220KV Gis Building Arrangement.
  - Control Building Arrangement.
  - Shielding System Design calculation & Layout.
  - Grounding System Design earth grid layout.
  - Equipment earthing layout & reinforcement earthing layout.
  - Bill of Quantities (BOQ) (cables, raceway, shielding, earthing…etc.).
  - Overhead Clamps Sizing and Arrangement.
  - Overhead Conductor Sizing.
- Gardenia Switching Station: I deal with following submittals:
  - Switching Station Arrangement.
  - Shielding System Design calculation & Layout.
  - Grounding System Design earth grid layout.
  - Equipment earthing layout & reinforcement earthing layout.
  - Cables Raceway (HV).
  - Overhead Clamps Sizing and Arrangement.
  - Overhead Conductor Sizing.
- Imbaba Substation: 220/66/22KV (Gis) Substation, I deal with following submittals:
  - Substation General Equipment layout.
  - Substation Cables Raceway (HV, MV, LV and Control Cable Raceway).
  - Substation Cable Sleeves, Openings & Duct Banks Layout.
  - 220KV Gis Building Arrangement.
  - 66KV Gis Building Arrangement.
  - Control Building Arrangement.
  - Shielding System Design calculation & Layout.
  - Grounding System Design earth grid layout.
  - Equipment earthing layout & reinforcement earthing layout.
  - Bill of Quantities (BOQ) (cables, raceway, shielding, earthing…etc.).
  - Overhead Clamps Sizing and Arrangement.
  - Overhead Conductor Sizing.

Dates : From May 2015 till Mar. 2016
Employer : MEECO Engineering Consultant
Job title : Primary Design Engineer

Job Description : Working in the field of substation, power stations, transmission and distribution systems in Saudi Arabia and I deal with following submittals:

- General layout and Arrangement of substation equipment.
- Wall opening and floor cutouts.
- Power cable raceway.
- Low voltage and Control cable raceway.
- DC Single line diagram.
- DC battery and battery charger sizing.