

105774-ELE-126PT-E-2015
Electrical Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Engineering and has over 2 years hands-on experience working mainly as Testing & Commissioning Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/07/1991
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Engineering, Al-Azhar University, 2015

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, ...), Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Classic control certificate from Italian Institute.
: PLC certificate from Arab Tech Company.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2016 till now
Employer : Elsewedy Electric PSP, Cairo
Projects :

- Suez Gulf 500/220/22KV substation, Turn-key Project, Egypt:
 - 500KV GIS, Double bus double breaker bus bar arrangement, 6 Bay, Hyosung.
 - 220KV GIS, Double bus single breaker arrangement, 9 bays, Hyosung.
 - 22KV MV metal cladding GIS, 22 bays, SIEMENS.
 - 3 x single phase power transformer, 500/220KV, 750MW, TBEA.
 - 2 x 220/22KV power transformer, 75 MW, ETD.
 - GE protection relays & GE substation control system.

- Al Wukair 11 Substation 132/11KV substation, Turn-key Project, Qatar:
 - 132KV GIS, Double bus single breaker arrangement, 12 bays, Hyosung.
 - 2 x 11KV metal cladding GIS, 22 bays, SIEMENS.
 - 4 x 132/11KV power transformer, 40MW Hyosung.
- South Helwan Supercritical 1950MW Steam Cycle Power Plant:
 - 3x650MW Steam Turbines with auxiliaries, Mitsubishi.
 - Common control building.
 - 9 x (500/22.5KV) Single Phase Power Transformers.
 - 6.6KV Switch Gear.
 - 400 V Load Centers & MCCs.

Job title : Electrical Testing & Commissioning Engineer

- Job Description** :
- Perform all the tests needed in GIS (500KV, 220KV, 22KV, 11KV), (LCC scheme checking, interlock, Breaker timing, contact resistance, Hi-pot test, and partial discharge).
 - GIS Protection, and control scheme checking & verify all the functions, and interface with other systems.
 - Perform all tests needed for low voltage breakers (timing, contact resistance, interlock...)
 - Perform all the modifications needed and make as built scheme.
 - Perform all the tests for voltage transformers (insulation resistance, turns ratio, Polarity checking, DC resistance, Excitation curve and verify the VT loop).
 - Perform all the tests for power transformers (Insulation resistance, DC winding resistance, Turns ratio, Vector group, Tan Delta, Alarm test, Oil breakdown), and interface with other systems.
 - Perform all the tests for current transformers (insulation resistance, turns ratio, Polarity checking, DC resistance, Excitation curve), and verify the CT loop.
 - Perform all the tests for MV switchgear (insulation test, Hi-pot test, interlock, and start-up), and commissioning of the system, and interface with other systems.
 - Perform all the tests for motors (Insulation resistance, rotation check, Solo Run).
 - DC system (charging batteries, system commissioning and start-up).
 - Medium and High voltage cables testing (insulation resistance & Hi-pot).
 - Prepare all the test sheets for the tests and compare the results with the international standards (IEC).
 - Equipment Used: Familiar with a lot of testing equipment like, CT analyzer, megger delta 4000, megger C.B timing, ISA 3000T, FREJA 300 secondary injection kit, Ray tech dc resistance for T.R, PJK AC/DC Hi-pot tester, Oil breakdown tester, earth resistance tester, insulation resistance tester, Contact resistance tester, Partial discharge tester.

Dates : From Nov. 2015 till Jul. 2016

Employer : Value Company for (MEP) Construction, Cairo

- Projects** :
- British Institute (City Stars' Mall)
 - Daly Dress Shop (City Stars' Mall)
 - Lebanon Mahmasa (City Stars' Mall)
 - Mall of Egypt (shops and restaurants)

- Job title** : Electrical Engineer
- Job Description** :
- Sizing and selection of electric cables.
 - Design and Supervision for electrical distribution panels and circuit breakers ratings.
 - Design and Supervision for fire alarm systems.
 - Design and Supervision for sound systems.
 - Design and Supervision for closed circuited television systems.
 - Design and Supervision for data systems.