

101672-ELE-PT-E-2008
Protection, Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 12 years hands-on experience working in protection, testing and commissioning at several substations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/04/1985
Gender : Male
Marital Status : Single
Residence : Gharbia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Tanta University, 2008

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : At Network Training Center (NTC), Egyptian Electricity Transmission Co. (EETC):
 - P4.B (JAN. 2014) Power Transformer Protection.
 - P4.A (DEC. 2013) Bus Bar Protection.
 - P2 (JAN. 2013) Protection Fundamentals.
 - P1 (DEC. 2011) Introduction to Protection.
 - PSO (DEC. 2010) Power Station Operation.
 - GE (OCT. 2009) Newly Graduated Engineers.
- : English course: track 3 - intermediate, Hi-Q Academy (Jul. 2009 – Sep. 2009).
- : AutoCAD course: Syndicate of Engineers (Oct./Nov. 2008).
- : PLC: programmable logic controller, Ain Shams University, Jelecom (Jul./Aug. 2008).
- : Computer courses: Windows, Word, Excel, Access, Power Point and usage of Internet browsing, searching, multimedia applications and network essentials, West Delta Regional Control Center (WDRCC), Egyptian Electricity Transmission Co. (EETC).

- : Dialux, Alexandria University.
- : Summer training at Middle Delta Electricity Production Company (Jul. 2007).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2020 till 2021
Employer : Kharafi National Co.
Job title : Protection, Testing & Commissioning Engineer
Job Description : Responsible for Testing, Commissioning for MARASSI Substation 220/22KV (GIS, TR, Protection relays, Schematic drawing).

Dates : From Jul. 2009 till 2020
Employer : EETC Co. (Egyptian Electricity Transmission Co.)
Projects :

- Wadi Natroon S/S 500/220KV (GIS), design: SIEMENS.
- MAIN Sadat S/S 220/66/11KV, design: ASEA & MERLIEN GERIN.
- EL-EZZ S/S 220/30/11KV, design: ABB.
- Egyptian America Steel Rolling Company (BESHAI) 220/33/11KV, design: ABB.
- Egyptian SPONGE IRON (BESHAI) 220/33/11KV, design: ABB.
- Main ABO GHALEB (GIS) 220/66/11KV (GIS), design: SIEMENS & EGEMAC.
- ARCO – STEEL S/S 220/22.5/6.6KV (GIS), design: HYUNDAI.
- Egypt Future S1 S/S 220/66/22KV (GIS), design: MADKOUR, NR, GIS TAIKAI.
- Egypt Future S2 S/S 66/22KV, design: MADKOUR, NR, GIS TAIKAI.
- Sub – SADAT 66/11KV, design: ASEA & MERLIEN GERIN.
- INDUSTRIAL SADAT 66/11KV, design: EGEMAC.
- SOUTH WADI EL-NATRON 66/22KV, design: ABB.
- SHARK EL-TARIK SAHRAWY 66/22KV, design: ABB.
- Sub – ABO GHALEB 66/11KV, design: ELECTROMPIC.
- EL-MOTAWREEN 66/22KV, design: EGEMAC.
- EL-HAY EL-MOTAMYEZ 220/66/22KV, design: EGEMAC.

Job title : Protection, Testing & Commissioning Engineer
Job Description :

- Responsible for entering any new transmission line or transformer into the network.
- Responsible for Commissioning test, routine test and test sheets.
- Responsible for any malfunctions in any equipment and its maintenances.
- Preparing the daily, weekly and monthly reports.
- Experience in commissioning, testing, installation, programming and complete wiring of the following substation & protection devices in the high voltage substations.

Field of experience :

- Attended a commissioning of a new 220/66/11KV GIS Substation (ABO GHALEB 2) designed by (SIEMENS & EGEMAC Co.).
- Responsible for commissioning of a new 220/33-11KV Substation (Egyptian sponge iron steel) designed by (ABB High Voltage Co.) (Jun. 2013).

- Installing, Commissioning, testing, programming and complete wiring of the of B.B.P MICOM P740 Main Sadat substation).
- Responsible for commissioning of a new 500/220KV GIS Substation (WADI NATROON) designed by (SIEMENS Co.) (Aug. 2017).
- Responsible for commissioning of a new 220/66/22KV GIS Substation (Egypt Future S1 S/S) designed by (MADKOUR, NR, GIS TAIKAI) (Jan. 2018).
- Responsible for commissioning of a new 66/22KV Substation (Egypt Future S2 S/S) designed by (MADKOUR, NR, GIS TAIKAI) (Mar. 2018).
- Devices:
 - Distance:
 - ❖ ABB: REL521, REI316 (dos, windows), REL531, REL100, REI670.
 - ❖ SIEMENS: 7SA511, 7SA522, 7SA610, 7SA611, 7SA612, 7SA80.
 - ❖ AREVA & ALSTOM: MICROMHO, OPTIMHO, MICOM P442, MICOM P443.
 - ❖ OTHER: SEL321, NR PCS_902.
 - Line Differential:
 - ❖ ABB: REL316 V6.6, REL561.
 - ❖ SIEMENS: 7SD5.
 - ❖ AREVA & ALSTOM: LFCB, MICOM P545.
 - TR Differential:
 - ❖ ABB: RET521, RET541, RET670, SPAD 316C, RADS B.
 - ❖ SIEMENS: 7UT512, 7UT612, 7UT613, 7UT80.
 - ❖ AREVA & ALSTOM: MBCH12, KBCH120, MICOM P642, MICOM P643.
 - ❖ OTHER: NR PCS_978.
 - B.B.P:
 - ❖ ABB: RADS S, INX5, REB 500.
 - ❖ SIEMENS: 7SS522.
 - ❖ AREVA & ALSTOM: MBCZ10, MICOM P740.
 - ❖ OTHER: NR PCS_915.
 - A/R SYNCHROCHEK:
 - ❖ ABB: REXA, RAAK, SPAU140C.
 - ❖ SIEMENS: 7VK.
 - ❖ AREVA & ALSTOM: MICOM P841, MVTR 52, KAVS100.
- Testers:
 - Single-phase tester: Sveker 750 & Sveker 780.
 - Three-phase testers: FREJA 406, ISA ART-3, MEGGER MPRT, OMICRON CMC 356.