

100766-ELE-PT-E-2002
Testing & Protection Engineer

Holds a B. Sc. in Electrical Power Engineering and a Postgraduate Diploma in Power System Protection. Has about 8 years hands-on experience working as Testing & Protection Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 30/05/1979
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power Engineering, Helwan University, 2002
: Postgraduate Diploma in Power System Protection, Cairo University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Training course of PACIS Operator and Maintenance Engineers, Metro of Cairo, at Schneider Electric Technical Institute, Director Severine Riso – FRANCE, Mar. 2011.
: Instrument transformers & Power measurement (P1, P2, P4 (diff. protection, P6 (basic of digital protection)) at the Network Training Center (Cairo South Helwan).
: MS Word (excellent typing Arabic and English).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2003 till now
Employer : Egyptian Company for Electrical Transmission
(extra high voltage testing and protection department)
Projects :

- 220/66/11KV substations:
 - Cairo North S/S
 - Bahtim 1 S/S

- Bahtim 2 S/S
- Moatamedia S/S
- El-haram S/S
- Hadabet elahram S/S
- Main 6 of October S/S
- Giza S/S
- Shiehk Zayed S/S
- Basateen S/S
- 66/11KV substations:
 - October (1) S/S
 - October (2) S/S
 - Sheikh zayed S/S
 - Media production S/S
 - Basateen S/S
- Working with Colas Rail Company for Schneider Electric at Metro Elabasia substation 220/20KV, testing and commissioning of bus bar protection (p741, p742):
 - Revision of all the internal wiring of all the protection panels with drawings.
 - Stability test for diff. protection of the power transformers.

Job title : Power System Testing & Protection Engineer

- Job Description** :
- Deal with various types of electrical protective relays which included in 220/66/11KV substations (programming and testing).
 - Review and approval of the testing and commissioning procedure and sheets of new Bahtim S/S (220/66/11KV) substation (AREVA).
 - Review of new incoming panels and their wiring and drawing.
 - Witness at El-Haram S/S 220/66/11KV, new extentions at Cairo North S/S and 6 of October S/S.
 - Technical Training Engineer at Network Training Center (Cairo North).
 - Familiar with most popular wiring and drawings.
 - Making the required modification for the replacement of old protection relays with the newest relays (Siemens relays) at Hadabet El ahram S/S and Main 6 of October S/S (7SA610, 7SA611, 7UT612, 7SJ600, 7SJ602).
 - Installation 3 units of capacitor Schneider (11KV) bank at Moatamedia substation.
 - Replacement of 20 MVA power transformer with another one 25 MVA at Hadabet El ahram substation.
 - Replacement of old type busbar protection type (AEG) with newest one type Siemens (type 7SS522) at Bahteem S/S and Basateen S/S.
 - Installing, testing and commissioning of 4 power transformers 66/11KV at October (1) S/S.
 - Installing, testing and commissioning of 4 power transformers 66/11KV at October (2) S/S.
 - Very good experience on using computerized testing equipments and to carry out testing of all type of relays used in 220/66/11KV system.

Related relays and testers:

- SIEMENS Relays (7SS522, 7SA511, 7SA513, 7SA522, 7SA610, 7SA611, 7SD522, 7UT512, 7UT612, 7SJ600, 7SJ602).
- ABB Relays (SPAJ, REJ 525, REF 541, RET, REL 511, REB500).

- ALSTOM Relays (MICOM p442, p543, p122, p127, KCEG, MCGG).
- OTHERS (SEL 321, MIF, MIV, DTP).
- Power factor controllers (Varlogic, Novar, RVC).
- Primary and secondary injection testers (programma (ODEN), OMICRON, ISA, MANTA, SVERKUR).

Further knowledge:

- Very good understanding of Software Engineering Concepts.
- Very good understanding of Database designing concepts.