

100101-ELE-PT-E-2001
Electrical Protection Engineer

Holds a B. Sc. in Electrical Engineering and has about 7 years hands-on experience in the field of protection, testing and commissioning of substations and power plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/11/1977

EDUCATION

: B. Sc. in Electrical Engineering, South Valley University, 2001

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Fortran & Pascal

TRAINING COURSES AND CERTIFICATIONS

: Training in VATECH Co., assist commissioning in protection equipment for:

- Siemens protection equipment.
- Elin protection equipment.
- OMICRON-CPC-100.
- OMICRON-CMC -256.

: Training in SIEMENS Co. PTD, testing, commissioning, support and assisting primary injection testing for CT, VT, CB, DS and TR.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2010 till now
Project : Naga Hammadi substation 220KV
Job title : Testing & Commissioning Engineer

Dates : From Apr. 2007 till Jan. 2010
Employer : Hydro Power Plant Generation Co. (HPG Co.)
Project : Naga Hammadi substation 220KV
Job title : Protection Engineer

- Job Description** : • Design of operation & control and protection circuits for 220/11KV equipments.
 • High voltage testing of current and voltage transformers (turns ratio, insulation resist, saturation curve, polarity test).
 • High voltage testing of power transformer (no load test, SC test, DC Resistance, insulation resistance, turns ratio).
 • High voltage testing of CB & isolators (contact resist, close/opening time).
 • Line protection Siemens:
 - SIPROTEC 7SA612.
 - SIPROTEC 7SA5131.
 - SIPROTEC 7VK61 - Auto Reclosure.
 • Bus bar protection Elin:
 - DRS- MBB/50/11.
 - DRS- LBB/11/E/1/5.
 • Transformer protection:
 - DRS compact 2-A32/1.
 • Generator protection Elin:
 - DRS compact 2A-A32/1.
 • Test sets worked with:
 - Primary injection:
 ▪ Programa ODENA.
 ▪ Programa CSU 600 AT.
 ▪ MEGGER DLRO 600 E.
 - Secondary injection:
 ▪ Programa SVERKER 650/750.
 ▪ Programa Timer TM 200.
 ▪ Programa phase angle meter PAM 360.
 ▪ OMICRON-CMC-256.
 ▪ OMICRON-CPC-100.
- Dates** : From 2004 till Mar. 2007
- Employer** : SIIC (Sugar & Integrated Industries Company)
- Job title** : Protection Engineer
- Job Description** : Worked in the field of:
 • Steam power plant.
 • Generator & transformer protection.
 • Setting and testing of differential relay ABB R30 and Siemens 7UD9204.
 • Setting and testing of over current relay ABB AT31X1.
 • Setting and testing of short circuit relay ABB T11X and Siemens 7SJ7713.
 • Setting and testing of over voltage relay ABB VT12X1.
 • Diesel Generator.
 • Operating and maintenance of medium and low voltage distribution system.