

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 7 years hands-on experience in testing and protection at several substations and other industrial projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/10/1976
Gender : Male
Marital Status : Married
Residence : Dakahlia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2003

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Courses taken in Network Training Center in Cairo South (Helwan):

- Instrument Transformer and power measurement.
- Protection Fundamentals.
- Bus bar protection.
- Digital protection.
- Fault recorder IDM T3.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2010 till now
Employer : Egyptian Electricity Transmission Company
Project : General protection department (Delta zone, Talkha)
Job title : Protection & Testing Engineer

Job Description :

- Installing and testing protection relays in substations 220/66/11KV.
- Routine test for distance relay, differential relay, over current, earth fault, restricted earth fault, under voltage for five substations 220KV.
- Routine test for over head line protection relays for 20 substations 66KV.
- Doing the basic tests for new substations and put it in service.
- Working on the operating programs for the digital relays such as ABB, SIEMENS, AREVA, SEL and G.E.
- Testing circuit breakers (measuring contact resistance, measuring closing and tripping time and measuring circuit breaker insulation).
- Testing current transformers.
- Testing voltage transformers.

Dates : From Nov. 2009 till Sep. 2010

Employer : PESCO Company – UAE

Job Description :

- Work in Switchgear 22KV in ABU DAHBI (Sourboun University):
 - Test current transformers.
 - Test voltage transformers.
 - Test over current, Earth Fault Siemens Relays.
 - Test Ammeters and voltammeters.
 - Megger test.
 - Secondary injection.
 - Primary injection.
 - Testing circuit breakers (measuring contact resistance, measuring closing and tripping time).
- Work in HUNT Company in Yemen (Oil & Gas) preventive maintenance:
 - Testing circuit breakers (measuring contact resistance, measuring closing and tripping time).
 - Testing protection relays.
- Work in 400/132KV Technology Park substation in DUBAI, approved from DEWA (Dubai Electricity & Water Authority):
 - DC scheme check for all 400KV side.
 - DC scheme check for all 132KV side.
 - Trip circuit supervision for all 400KV.
 - Trip circuit supervision for all 132KV.
 - Trip coil current measurement for all 400KV.
 - Trip coil current measurement for all 132KV.
 - Primary injection.
- Work in 132/11KV CHINA substation in DUBAI:
 - DC scheme check for all 132KV side.
 - DC scheme check for all 11KV side.
 - Trip circuit supervision for all 132KV.
 - Trip circuit supervision for all 11KV.
 - Test under voltage relay Argus8.
 - Test earth fault relay Argus1.
 - Test High impedance busbar protections relay MCAG34.
 - Test CT supervision relay MVTP31.
 - Test O/C relay 7SJ61.

Dates : From Mar. 2008 till Nov. 2009
Employer : BEMCO SERVICES Company – KSA
Job Description :

- Power Plant Number 9 (P.P.9) Block F (Riyadh):
 - Generator switchgear function check.
 - Interface between generator switch gear and generator protection panel and inter trip panel and cross trip panel and mark 6 panels.
 - Overall inter trip and cross trip panel test.
 - Generator stability.
 - Transformer stability.
 - 13.8KV bus bar stability.
 - Synchronizing of the generator to the grid.
- Power Plant Number 9 (P.P.9) Block C & D & F Punch list items (Riyadh):
 - Interlock test for 13.8KV switchgear.
 - Clear bunch list items for P.P.9 (Block C, D, F).
 - Clear bunch list items for substation 9009, 380KV.
 - Test earth fault relay, under voltage relay, synchro check relay.
 - Dead bus closure test for 20 units in generation power plant (P.P.9) Block C & D.
 - Function test for overall inter trip and cross trip panel for generation system.
 - Troubleshooting.
- Power Plant Number 10 (P.P.10) Block A1 (Riyadh):
 - Test under voltages relay MIVII.
 - Over current & earth fault (MifII & Micom P120 & Micom P122).
 - High Impedance bus bar differential SEL 587-Z.

Dates : From Aug. 2004 till Mar. 2008
Employer : Egyptian Electricity Transmission Company
Project : General protection department (Delta zone, Talkha)
Job title : Protection & Testing Engineer
Job Description :

- Installing and testing protection relays in substations 220/66/11KV.
- Routine test for distance relay, differential relay, over current, earth fault, restricted earth fault, under voltage for five substations 220KV.
- Routine test for over head line protection relays for 20 substations 66KV.
- Doing the basic tests for new substations and put it in service.
- Working on the operating programs for the digital relays such as ABB, SIEMENS, AREVA, SEL and G.E.
- Testing circuit breakers (measuring contact resistance, measuring closing and tripping time and measuring circuit breaker insulation).
- Testing current transformers.
- Testing voltage transformers.

Work on most Tester Equipment such as:

- Freja-300 (Programma tester package).
- Sverker 760 (Programma tester package).
- Magnus (Programma tester package).
- Primary Injection (Programma tester package).
- Micro Ohmmeter (MOM 200A Tester Package).

- CPC-100 (Omicron Tester Package).
- High VOLTAGE (H.V. tester up to 120KV).
- TM 1800 (C.B. Analyzer).

Digital Protection Relays tested:

- Distance Protection:
 - P441-P442 (AREVA).
 - 7SA511-7SA521 (SIEMENS).
 - REL 511 (ABB).
- Differential Protection:
 - 7UT511 (SIEMENS).
 - T60 (GE).
 - DTP (GE).
- Generator Management:
 - G60 (GE).
- Over Current + Earth Fault:
 - 7SJ6** (SIEMENS).
 - REJ 525 (ABB).
 - MIF II – MIG (GE).
 - SEL 551C (SEL).

Related Digital Protection Relays / Testers Software's:

- AREVA MS Studio.
- Digisi 4.82.
- CAP 531 / 540.
- Enervista.