

101068-ELE-PT-E-2007
Protection, Testing & Measuring Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 9 years hands-on experience working as Protection, Testing and Measuring Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/09/1983
Gender : Male
Marital Status : Married
Residence : Dakahlia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2007

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Courses in Network Training Center (NTC):

- Training for new engineers (GE).
- Control circuits of substations (CCS).
- Testing and maintenance of power transformer (MR).
- Siemens protection course (Siemens distance protection 7SA611).
- Protection pasics (P1).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2008 till now
Employer : Egyptian Electricity Transmission Company (EETC)
Job title : Protection, Testing & Measuring Engineer
Job Description :

- Testing of high and medium voltage switchgear:
 - Timing test (trip and close) for circuit breakers.
 - Contact resistance for C.B.

- High Voltage power transformers:
 - Visual inspection.
 - Insulation resistance.
 - DC winding resistance for transformer.
 - Turns ratio test for all tap changer taps.
 - No load current losses.
 - Impedance voltage test.
 - Vector group test.
 - Zero sequence impedance.
 - Tap changer inspection.
 - Winding temp. indicators calibration.
 - Control panel testing.
 - Bushing test.
 - Dissipation factor test.
 - Grounding resistance test.
- Voltage transformers:
 - Insulation test for primary & secondary.
 - DC resistance for transformer coils.
 - Turns ratio.
- Current transformers:
 - Insulation test for primary & secondary.
 - DC resistance for transformer coils.
 - Turns ratio.
 - Magnetization curve test.
- Isolating switches:
 - Contact resistance test.
 - High voltage test.
- Transformer oil test:
 - Testing and doing das analysis for transformer oil testers like myrkos with software report.
- Testing & commissioning of HV & MV substation equipment.
- Testing & commissioning of HV & MV substation control functions.
- Testing & commissioning of HV & MV substation protective schemes.
- Test equipment:
 - High voltage AC.
 - OMICRON CPC 100.
 - FRAJA PROGRAMMA GE.
 - SVERAKER 750 PROGRAMMA GE.
 - MICRO-OHMMETER (vanguard & GE) DC RESISTANCE.
 - PRIMARY INJECTION ODENAT PROGRAM.
 - OMICRON C.T Analyzer.
 - MEG OHMMETTER FLUKE "MEEGER".
 - Voltage ratio (vanguard).
- ABB Protection Relays:
 - Transformer Differential Protection Relay.
 - Over Current and Earth fault protection relay.
 - Voltage protection relays (RAEDK3, REU 523).
 - DISTANCE Protection Relay.
- AREVA & ALSTOM Protection Relays:
 - Transformer Differential Protection relay (MFAC 14, MFAC 34 and P633).
 - Over Current & Earth fault protection relay (MICOM P120 & P122).

- Directional over current and Earth fault protection relay (MICOM P127).
- GE Protection Relays:
 - Transformer protection relay (T60).
 - Generator management relay (G60).
 - CB Failure protection relay (C60).
 - Over current and earth fault relays (MIFIIP – MIFIIN).
 - Voltage protection relays (TOV, MIVII).
- SIEMENS Protection Relays:
 - Over Current and Earth fault protection relay (7SJ600).
 - Directional Earth fault and over current relay (7SJ622).
 - CB Failure protection relay (7SV600).
 - Generator Motor protection relay (7UM621).
 - Transformer Differential Protection relay (7UT612).