

104365-ELE-1MPT-E-2005
Senior Protection & Testing Engineer

Holds a B. Sc. in Electrical Engineering and has about 12 years hands-on experience working in maintenance, protection and testing.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/11/1983
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Engineering, Assiut University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Matlab
: AutoCAD

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2018 till now
Employer : Upper Egypt Electricity Production Company
Project : Assiut Thermal Power Station 2x300MW
Job Description :

- Senior Protection and Testing Engineer.
- Supervisor Engineer for Extension of Assiut El-Walidya 220KV GIS Project, Bus bar protection development and 220KV GIS SAS system.

Dates : From Feb. 2017 till Dec. 2018
Employer : Upper Egypt Electricity Production Company
Project : Assiut Thermal Power Station 2x300MW
Job title : Protection & Testing Engineer

Dates : From Jan. 2017 till Feb. 2017
Employer : [EGYPTROL](http://www.egyptrol.com)
Project : SIEMENS Project of New Capital CCPP Units 41 & 42
Job title : Protection, Testing & Commissioning Engineer
Job Description : Commissioning and Testing the following protection relays for Generator and Transformers:

- 7UM622 Generator Protection (SIEMENS).
- 7UT633 Generator Transformer Differential (SIEMENS).
- 7UT633 Overall Differential (SIEMENS).
- 7UT633 Unit Aux. Transformer Differential (SIEMENS).
- 7SJ611 Unit Aux. Transformer Protection (SIEMENS).
- 7SJ611 EXC. Transformer Protection (SIEMENS).
- 7SJ611 SFC Transformer Protection (SIEMENS).

Dates : From 2013 till Jan. 2017
Employer : Upper Egypt Electricity Production Company
Project : Assiut Thermal Power Station 2x300MW
Job title : Protection & Testing Engineer
Job Description :

- Tests of Generator Protection Relays:
 - Gen. Impedance back-up Relay (21G): CYS2D-BS1 (TOSHIBA), RAKZB (ABB).
 - Gen. Reverse power Relay (32G): CW-12B-D (TOSHIBA), RXPE40 (ABB).
 - Gen. Loss of field Relay (40G): TYRID-BT1 (TOSHIBA), RAGPC (ABB).
 - Gen. Negative phase sequence Relay (46G): TQRID-MC4K (TOSHIBA), RARIB (ABB).
 - Gen. Over current Relay (51G): 7SR011 (SIEMENS).
 - Gen. VT voltage balance Relay (60G): TBV4D-DU1X (TOSHIBA), RXBA4 (ABB).
 - Gen. Stator earth fault Relay (64G): TRG1D-MC6K (TOSHIBA), RAGEA (ABB).
 - Turbine/Gen. Under frequency Relay (81L): TFF6B-MC1K (TOSHIBA), RXFE4 (ABB).
 - Over frequency Relay (81H): RXFE4 (ABB).
 - Gen. Differential Relay (87G): TBR1F-BS2 (TOSHIBA), RADSG (ABB).
 - Gen. Transformer. Differential Relay (87GT): TBT11B-TU2K (TOSHIBA), RADSB (ABB).
 - Gen. Over excitation Relay (59 V/F): THV2D-MC5K (TOSHIBA), RATUB (ABB).
 - Gen. Field earth fault Relay (64GE): TCR3D-BS1 (TOSHIBA), RXNB4 (ABB).
 - Excitation transfer. Differential Relay (87E): IBT1D-BT2 (TOSHIBA).
 - Dead machine Relay (51/27): RAGUA (ABB).
 - Under voltage Relay (27G): RXEG21 (ABB).
 - Over voltage Relay (59G): RXEG21 (ABB).
- Transformers Protection:
 - Over current Relay: SPAJ 142C (ABB).
 - Directional Relay: 7SR012 (SIEMENS).

- Restricted Earth Fault: RADHD (ABB).
- Earth fault Relay: RXIG21 (ABB).
- Differential Relay: TBT11B-TU2K (TOSHIBA), RADSB (ABB).
- 220KV T.L. / Bus bar Protection:
 - Distance Relay: LZ96 – RAZFE – L8b (ABB) – 7SA522 (SIEMENS).
 - Over current Relay: 7SR011 (SIEMENS), PRAJ 131 (ABB), SPAJ 140C (ABB).
 - Earth Fault Relay: TCO21B-DUIK, TBB7B-DU2X (Restricted Earth Fault) (TOSHIBA).
 - Directional Relay: 7SR012 (SIEMENS), SPAA 321C (ABB).
 - Differential Relay: TBB7B-DU2X, TB11B-TU2K (TOSHIBA), RADHA (ABB).
 - Breaker Failure Relay: 7SR011 (SIEMENS).
 - Under voltage Relay: TVU3F-BG21, TVU3F-BG31.
- MV & LV (6.3KV & 380 V) Protection Relays:
 - Over current Relay: ICO1D-AT3H, ICO1F-AT2H (TOSHIBA), IKC 913 (ABB).
 - Earth Fault Relay: 7SR011 (SIEMENS), IKC 911 (ABB).
 - Differential Relay: 7SR011 (SIEMENS), IKC 913 (ABB).
 - Under voltage Relay: IVU1F-AG1, IVG1D-BG1 (TOSHIBA), UKT 911 (ABB), TVU3F-BG21 (ABB).
 - SSTD Protection.
- High Voltage CB Tests:
 - Contact resistance.
 - Open-Close time measuring.
 - SF6 Gas test.
- DC system:
 - Battery Chargers Maintenance.
 - UPS System Maintenance.
 - Discharging and recharging of Batteries.
 - Battery Liquid Change for 220 V, 48 V, 24 V Batteries.

Dates : From 2007 till 2013

Employer : Upper Egypt Electricity Production Company

Project : El-Kureimat GIS Substation (500/220/11KV)

Job title : Maintenance Engineer

Job Description :

- Responsible about maintenance of 500KV switchgear.
- Responsible about maintenance of 220KV switchgear.
- Responsible about maintenance of battery chargers and batteries 110V, 48V.
- High Voltage CB Tests:
 - Contact resistance.
 - Open/Close time.
 - SF6 Gas tests.
- General Overhaul Maintenance of 220KV SF6 Circuit Breaker, and 500KV SF6 Circuit Breaker, under supervision of Mitsubishi Electric Group, 3/2012.