

102422-ELE-2PTayz-E-2021

Junior Electrical Protection & Testing Engineer

Holds a B. Sc. in Electronics & Communication Engineering and has over 2 years experience working in the field of medium voltage as Testing & Commissioning Engineer. Experienced in low voltage field and capable of doing distribution design and technical office and site work.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/10/1998
Gender : Male
Marital Status : Single
Residence : Cairo

EDUCATION

: B. Sc. in Electronics & Communication Engineering, Mansoura University, 2021

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: CLASSIC CONTROL DIPLOMA, MANSOURA UNIVERSITY (2020).
: AUTOMATION SYSTEMS DIPLOMA, MANSOURA UNIVERSITY (2020).
: Internship at WEST DELTA REGIONAL CONTROL CENTER - WDRCC, ALEXANDRIA (2021): SCADA – component of SCADA – PLC – RTU – IEC Protocol.
: Internship at NATIONAL ENERGY CONTROL CENTER - NECC, CAIRO (2020): fiber types – multiplexing – PDH & SDH – IPV4.6 – Microwave knowledge.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2022 till now
Employer : Madkour Utilities

Job title : Junior Electrical Protection & Testing Engineer
Job Description :

- Testing and commissioning of 22KV SWGR type of (ABB - TEPCO - Schneider - EMAS):
 - GARDINIA substation SWGR 22KV expand (SCHNEIDER).
 - GARDINIA Distributor 22KV (ABB).
 - Chill out EI Rehab SWGR 22KV (ABB).
 - Future Egypt S2 Distributor 22KV (EMAS).
 - Future Egypt ND2 Distributor 22KV (EMAS).
- SWGR tests (Contact Resistance - CT - VT - CB/ES/DS Timing - Insulation Resistance - HI pot - Earthing).
- Testing and commissioning of:
 - Protection relays (ABB - Micom - Sepam - Siemens).
 - Distribution transformers and auxiliary transformers.
- Testing, commissioning and energizing of Solar plants:
 - Toshka Pump station (A07) PV plant 502 KW.
 - Toshka SCADA Control Center Building PV plant 25 KW.
- Supervising the receipt of new projects.
- Executing the electrical network for the Toshka SCADA Control Center Building.
- Testing and commissioning for new projects to the company (Distributors - RMUs - Solar plants).
- Solving emergency cases for substations and Distributors.
- Grading of protection relays trip.
- Perform engineering design review and validation.
- Compliance of new and existing protection system design and testing and recommend changes.
- Development of protection design philosophy and practices.

Dates : From Nov. 2021 till Dec. 2022

Employer : Madkour Utilities

Job title : Fresh Electrical Protection & Testing Engineer

Job Description :

- Routine test for the company projects:
 - CT / VT TEST.
 - CB/ES/DS TIMING TEST.
- Design the required control modification for Toshka SCADA project (Distributors and RMUs).
- Ismailia Desert Road & SUEZ Road Lighting operation and maintenance:
 - Supervising the installation of phases.
 - Supervising laying, raceways and termination of cables of Deming and power feeding of HI-MAST.
- Maintenance of transformers and main distribution panels.
- Working on smart meters communication, supervising and control.

Dates : From Jul. 2021 till Nov. 2021

Employer : Electro Technique

Job title : Fresh Electrical Testing & Commissioning Engineer

Job Description :

- Executing control, protection and SAS panels for substations:
 - 220/66KV EI Msaed at North Sinai.

- 66/22KV El Shiekh Zoyid at North Sinai.
- 66/22KV Bahr El bakr.
- 220/66KV Toshka 3.
- Control and protection panels scheme check after revising and applying approved modifications.
- Perform local and remote tests for SAS system.

- Field of experience :**
- Knowledge of HV power system protection obtained through experience, networking, research and other means of professional development.
 - Knowledge of power system automation (SCADA & control).
 - Knowledge of the transmission system performance and fault analysis of power system.
 - Demonstrated competency in the application of HV protection skills, judgement and experience, under the guidance of the Senior Protection Engineer.
 - Demonstrated ability to apply sound time management methodology to manage own work schedule / Projects.
 - Demonstrated ability to produce the high-quality technical reports.
 - Demonstrated ability to produce (IED) protection and control device settings and configuration files.
 - Demonstrated ability to operate the vendor specific software tools for modern substation automation and protection equipment.
 - Demonstrated ability to build and maintain collaborative working relationships across diverse stakeholders.
 - Assisting with development of other Engineers, under the guidance of the Senior Protection Engineer.