

102599-ELE-2CMOTyz-E-2002

Substation Maintenance Engineer

Holds a B. Sc. in Electrical Power & Communication Engineering and has 19 years experience working as Substation Maintenance Engineer and Transmission Engineer.

PERSONAL DATA

Nationality : Egyptian
Gender : Male

EDUCATION

: B. Sc. in Electrical Power & Communication Engineering, Zagazig University, 2002

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Training Certificates from the Network Training Center which holds the ISO 9001-2000 certification:

- GIS substations operation and maintenance training in Korea.
- Analysis of gases Dissolved in Transformer oils.
- Control circuits in substations.
- Batteries and rectifiers.
- Testing and maintenance of power transformers.
- SF6 circuit Breakers.
- On-load tap changers.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2017 till now
From 2005 till 2014

Employer : Egyptian Electricity Transmission Co. (EETC)

Job Description :

- 19 years of experience within High Voltage substations.
- Solid experience in maintenance and operation and tests of HV substations.
- Experience in HV Constructions 66/11KV S.S. & 220/66KV S.S.

- Good experience in electrical tests of the HV and MV Circuit Breakers (Timing & contact resistance).
- Good experience in electrical tests of the HV the SF6 Gas tests (Dew point acidity test, gas ratio test).
- Good experience in electrical tests of the HV transformers (mugger test, tan Δ test, turns ratio test, DC resistance test).
- Solid experience in constructions of MV of 11KV, 22KV distribution feeders of all types (ABB, EGYMAC, MARLUINE GERAER, ELECTRO GOREG).
- Solid experience in constructions of standard Ground wirings of Substations.
- Solid experience in constructions of GIS Substations & SF6 gas test.
- Participated in the following works as the First Leader of work:
 - Construction of Capacitors Bank 11KV of types (ABB, SHENIDER NOKIA) EI-Hawamdia, EI-Ayiat, Faisal, EI-Badrashin in 66/11KV substations.
 - Constructed the Transformers 66/11KV and its Medium Voltage Sections in new Faisal substation.
 - Constructed the Transformer No 4 66/11KV and its Medium Voltage Section in EI-Fostat substation.
 - Constructed the Transformer No 5, 6 66/11KV and its Medium Voltage Section in EI-Giziart EI-Dahab substation.
 - Working as Maintenance & Operation Engineer in Substations EI-Haram 66/11KV, EI-Maadi 66/11KV substation.
 - Working as Operation Engineer in Substations (Hadayek EI-Haram MG) Maroof, 66/11KV.
 - Tests of electrical equipment's (current transformer - voltage transformer MV Cables in Gezira S.S).
 - Participated in the commissioning of new Ghamra S.S.
 - Constructions of ground wiring in south zone Substations.
 - Attending all factory tests for CB, DS, AC-DC panel and capacitor bank.

Dates : From 2014 till 2017

Employer : Saudi Electricity Co. (SEC-EOA) HASSA

Job title : Transmission Engineer

Job Description :

- Provide technical assistance to the maintenance section in the performance of maintenance works and troubleshooting of Power Transformers and GIS.
- Technical review for all Testing of Power Transformers (power factor Megger, SFRA, Turns Ratio, DGA and OQ).
- Perform testing activity for power transformer different manufacture up to 500KV.
- Technical review for Commissioning tests and installation of Mobile Substation.
- Maintenance planning for CM, PM and MPM for all substation equipment.
- Prepare Scope of Work and Technical review of Turn on Letters & Base Design of substations project.
- Providing support and following up on the implementation of the project to convert the 115KV OHTL at MAHASSEN SUBSTATION to U/G cable.

- Making drawings and following up on the implementation of the voltage transformer replacement project at AL-WASEEA SUBSTATION.
- Prepare and review of technical submittals for substation projects.
- Replacing the damaged power transformer and GIB for the transformer in QURAYYAH PP.
- Participate with the change and continuous improvement department in developing the protection device (pressure relive) on the power transformer.
- Investigate the site with contractors for different projects for review the drawings.
- Preparing punch list for substation projects.

Field of experience : Dedicated and skilled Substation Maintenance Engineer with a proven track record in ensuring the reliable and efficient operation of electrical substations.