

101273-ELE-12PSTyz-E-2011

Testing, Commissioning & Protection Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 10 years hands-on experience working in protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/03/1990
Gender : Male
Marital Status : Married
Residence : Damietta

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2011

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2020 till Aug. 2020
Employer : MEGA
Job title : Testing / Commissioning Engineer
Job Description : Testing main relays (MICOM, ABB, GE, SELL, SIEMENS), POWER TRANSFORMER AND GIS.

Dates : From Jan. 2016 till Feb. 2020
Employer : Babtian Contracting Co.
Projects :

- EL SHEFA S/S 132/13.8KV
- EL MOYNISIA S/S 132/13.8KV
- EL MAZYLIA S/S 132/13.8KV
- EL KHARG S/S 132/13.8KV
- EL WAROOD S/S 132/13.8KV
- EL JUBIL S/S 380/115/13.8KV
- ARQA S/S 380/132/13.8KV

- Job title** : Testing, Commissioning & Protection Engineer
- Job Description** :
- ALDILAM 132/33/13.8KV
 - AL DAWADI 38/132/13.8KV
 - Testing simple relay and advanced relay differential and distance (ABB, SELL, MICOM, SIEMENS, ZIV, GE).
 - Inspection of control and relay panel, preparation of Test Report.
 - Testing of CT, VT, Circuit Breaker tests.
 - Testing and Commissioning of Switch Gear 13.8KV scheme check & function test.
 - Testing and Commissioning of (380, 132KV) scheme check & function test.
 - Testing and Commissioning of Power transformer.
 - Knowledge in Single, Double and 1½ Breaker arrangement GIS.
 - Testing of Auxiliary relays, MCB, MCCB tests, Under Voltage Relay and Auto-reclose relays, Trip relays 86 & 94, Timers.
 - Experience with Directional and non-directional Over Current and Earth Fault Relays.
 - Knowledge of Transformer protection, Transformer Differential Protection & REF Protection, Distance Protection and its communication scheme, Bus Bar Protection (Low impedance & High Impedance).
 - Knowledge of Transformer MK panel and OLTC scheme, Automatic Changeover Switching Scheme (ACSE), ACDB and DCDB.
 - Testing and commissioning of LCC, control & relay panel for Transformer, and Bus Coupler, Bus Section and Line feeder.
 - Stability and sensitivity check of bus bar & transformer.
 - Trouble shooting of all electrical circuits, control and protection circuits.
 - Testing of Numerical, static and electro-mechanical Relays (Siemens, Micom & ABB) Distance relay 7SA Series, Differential relays 7UT series, Over current Relays 7SJ series (Siemens) Distance Relays P443 Differential Relays P645 T/F Diff. & P543 Line Differential & over current relays P139 (ARIVA, MICOM) Restricted earth fault (HV/LV REF) Circuit breaker failure (CBF) Low/High Impedance Bus Bar relays (discriminating & check ZONE) Auxiliary Relays, Lock out relays, TRIP RELAYS, Annunciator, etc.
 - Familiar to use the relay testing equipment sets like FREJA, OMICRON. Primary injection testing set ODon 13.8KV SWGR HV TESTING SET ,Secondary injection testing set SEVERKER ZERA,CT Analyzer, Commonly used in K.S.A.
 - Functional test of control, relay and switchgear panel (SCADA & SAS System).
 - 13.8KV incomer, U/G feeders, Metered panel, capacitor Bank panel, Bus section 132KV GT Panel, U/G & Over head Line Panel, ACSE Panel, AVC Panel AC/DC Panels, Stuck breaker stability, Auto recloser, CT supervision, etc.
 - Checking interlocks of the substation between different voltage levels.
 - Commissioning of CTs Current Transformers - Polarity, Megger.
 - Commissioning of Potential transformers.
 - 13.8KV Load shedding scheme.
 - 13.8/132/380KV Cable differential relay testing P543.
 - Commissioning of Power transformers - Meggering, Short Circuit, Vector Group, checking operation of Bucholz relay, Winding and oil temperature

Trip, Alarm.

- Testing Differential Stability of Bus Bar & Transformers.
- Testing REF Stability of Transformers.
- Checking of power & Control Cable and schematic wiring of 132KV, 110KV, 66KV, 33KV, 13.8KV systems, Maintenance work of Battery Charger, Auxiliary supply.
- To monitor all outdoor installation works and cabling & termination works.

Dates : From Aug. 2011 till Jan. 2016
Project : Damietta Power Station
Job title : Protection & Testing Engineer
Job Description :

- Testing simple relay and advanced relay differential and distance (ABB, MICOM, SIEMENS).
- Testing power Transformer 220/66KV.
- Testing CT & VT.
- Ability to check scheme for substation 220 & 66KV.
- Testing Secondary injection and primary injection in GIS AND SWITCH GEAR.
- Stability and sensitivity check of bus bar & transformer.
- HV TEST in GIS and Switch gear.