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O&M Electrical Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 17 years experience working in construction, technical office, maintenance, operation, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Off-shore Training in Electrical maintenance Heat recovery steam generator, CMI, Belgium (2 weeks).
- : Operation & maintenance of Steam / Gas Power Stations, SIEMENS, Germany (1 month).
- : Maintenance Electrical pumps and motors, Skoda, Czech Republic (2 weeks).
- : Operation & maintenance of Steam / Gas Power Stations, GE, Egypt (1 month).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : Currently
Employer : Upper Egypt Electricity Production Co.
Project : El-Kureimat Power Plant
Job title : O&M Electrical Engineer for Power Plants

Dates : 2022
Employer : [EGYPTROL](#)

Project : Layyah Power Plant, Sharjah – UAE
Job title : Electrical Testing & Commissioning Engineer
Job Description : Testing, commissioning and start-up for the following equipments:

- Low voltage switchgears.
- Interface signals.
- Protection relay panel.
- Generator circuit breakers.
- VTs and CTs.

Dates : 2022
Employer : PESCO International
Project : Simple Cycle Power Plant, Aden – Yemen
Job title : Electrical Testing & Commissioning Engineer
Job Description : Testing, commissioning and start-up for the following equipments:

- Power transformers.
- Medium voltage switchgear.
- Low voltage switchgears.
- Interface signals.
- Protection relay panel.
- Electrical motors.
- Generator circuit breakers.
- VTs and CTs.

Dates : From 2018 till 2021
Employer : Power Generation Engineering and Services Co. (PGESCO)
Projects :

- South Helwan Supercritical Power Plant 3x650MW
- Assiut Supercritical Power Plant 1x650MW

Job title : Testing & Commissioning Engineer
Job Description :

- Power transformers.
- Medium voltage and low voltage SWGR.
- Protection relays.
- High Voltage SWGR.
- Generators.

Dates : From 2016 till 2017
Employer : The Saudi Emar Limited Company
Job Description :

- Senior Electrical Engineer for Electrical Works in the substations and power plants.
- Testing and Commissioning Engineer for the power plants equipments.

Dates : From 2014 till 2015
Employer : PSP ELSEWEDY COMPANY
Job Description : Sr. Testing & Commissioning Engineer for the substations and power plants for the following equipments (GE, Siemens Gas turbine):

- SF6 switchgear and outdoor SWGR (circuit breakers, disconnectors, earthswitches and control system).
- Power transformers, current transformers, voltage transformers and cables.

- Medium voltage switchgear and protection relays.

- Dates** : From 2010 till 2014
- Employer** : SSEM (Saudi Service for Electromechanical Work), KSA
- Job title** : Electrical Engineer
- Job Description** : Construction, testing and commissioning for the following:
- Gas turbine (Siemens and GE).
 - Medium and low voltage switchgears.
 - Electrical motors and generators.
 - Protection relay panels.
 - Power transformers and distribution transformers.
 - Gas turbine Aux. system lube oil, ...
 - Excitation and SFC Panels.
 - Field instrumentation devices, pressure, temperature, flow transmitters.
 - DCS T3000.
 - Circuit breakers, disconnectors and earth switches.
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- Dates** : From 2006 till 2010
- Employer** : Upper Egypt Electricity Production Co.
- Project** : El-Kureimat Power Plant
- Job title** : Electrical Engineer
- Job Description** :
- Construction, Testing and Commissioning Electrical Engineer for the power plants and substations 220KV.
 - Power transformer up to 220KV and associated its protection.
 - Generator and its associated protection.
 - SF6 Circuit breakers, Current Transformers, Voltage.
 - Protection scheme, Interlocking schemes.
 - Generator Circuit breaker.
 - Medium voltage Switchgear.
 - Low Voltage Switchgear.
 - O&M for the power plants and substation.
 - Hot path inspection.
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- Field of experience** :
- Familiar with international procedures of Projects Phases, Engineering Phases, Bidding procedure, Procurement Process, Construction Requirements, and up to date Best Practices.
 - Fully understand contract documents (inclusive of appendices, drawings and specifications), project execution plan, interface management, change management, construction sequencing, standards specifications and project schedule to support project manager and/or company representative in timely completion of project.
 - Managing and reviewing the project progress, i.e., planned vs actual. Review of project schedule, coordinating and monitoring the assigned project progress, and challenge below par performance of the contractor.
 - Responsibility for project development: preliminary engineering to detail designs to construction and the final safe turnover to proponent.
 - The Field (Site):
Construction, testing and commissioning and O&M for Power Plants (Steam, Gas, Combined Cycle):

- Power transformer up to 380KV and associated its protection.
- Generator and its associated protection.
- SF6 / Vacuum Circuit breakers, Current Transformers, Voltage Transformers and Distribution Transformers.
- Maintenance of control and relay panels for HV, LV switchgear panels.
- Parameterization and testing of numerical Relays and static protection relays.
- Load test, Sensitivity and stability test for generator and relevant Protections.
- Protection scheme, Interlocking schemes for generators.
- TX. Protection (Diff/REF) and its schemes testing & commissioning.
- Pre-commissioning of electrical equipments like CT's, VT's, CB (Hydraulic & Spring charge operation), ES and DS, up to 380KV system, in various Substation / Power plants, Battery chargers.
- Electrical Generator up to 311MVA.
- Generator Circuit breaker makes.
- HV transformer.
- Gas turbine (SIEMENS, GE, ALSTOM and HITACHI).
- Installation, testing and commissioning for water treatments plant.
- Installation, testing and commissioning for crude oil treatment plant.
- Tendering Department:
 - Send inquiries to the suppliers.
 - Prepare the final technical and commercial offer.
- Technical Office:
 - Prepare the final design and calculations.
 - Review and study the final design from the suppliers.
 - Prepare the final PO's.