

Senior Electrical Maintenance Engineer & CompEX Inspector

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 14 years' experience in maintenance and as CompEX Inspector. Follow standards, operating instructions & procedures. L.V/M.V electrical equipment PM/CM. CompEX EX01, 02, 03, 04 certified and NEBOSH IGC1, 2, 3 certified.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 11/12/1985
Gender : Male
Marital Status : Married
Residence : Sharkia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Zagazig University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

: CompEX certified (EX01, EX02, EX03 & EX04).
: NEBOSH IGC1, 2, 3 certified.
: Short circuit and load flow analysis by using ETAP program version 12.6.
: Electrical protection relays.
: Training for vacuum circuit breaker.
: Motors, power transformers & generators protection.
: Variable frequency driver (VFD or VSD).
: UPS and battery charger.
: Earthing system measure and design.
: Root causes analysis for faults and accidents.
: MOC study.
: MS Word, MS Excel, MS Power Point, Outlook & CMMS Oracle application.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2010 till now
- Employer** : Khalda Petroleum Company (KPC)
- Project** : Egypt, Western Desert - Tarek Gas Plant
- Job title** : Senior Electrical Maintenance Engineer & CompEX Inspector
- Job Description** :
- Performing and supervision PM/CM for many L.V/M.V equipment such as: (CAT solar gas turbines mars 100 model, CAT diesel generators, fire diesel pumps, MV/LV power transformers, MV/LV switchgear, MV/LV motors, motor control circuits MCC, protection relays, heaters, earthing system, UPS, PLCs loop check, VFD, PMS, cathodic protection, solar cell system and flare System).
 - Planning all types of maintenance (monthly /annual/outage and overhauling) on plant electrical equipment according to vendor instructions, standard and OEM.
 - Making detailed inspection for new EX equipment and periodic inspection for existed/fixed EX equipment.
 - Performing and supervision the regular services for CAT solar gas turbines mars 100 model (electrical tasks for pumps/coolers motors, generator PMG, exciter, space heaters, starter motor, main stator and main rotor).
 - Commissioning and starting-up new equipment and facilities (switchgear, MV/LV C.B, protection relays, MV C.T, MV P.T, power transformers, generators, motors, UPS, VFD).
 - Familiar with ABB microprocessor based protection relays.
 - Familiar with motor starting methods (soft start, VSD, autotransformer & Star/Delta).
 - Familiar with power management system (PMS) to control the loads and power (load Sharing & load Shedding).
 - Familiar with Clink System for motor management (control, measuring, maintenance and protection).
 - Using the ORACLE as computerized management maintenance system (CMMS), execute work orders, record all activities, manpower, job time duration, spare parts used, feedback for any problem, update equipment's job plan depending on equipment performance and co-ordinate with maintenance engineers for job completion.
 - Performing risk assessment for jobs, strong HSE awareness, using PPE in correct way and purpose.
 - Ensure environmental aspect-impact and hazard risk assessment are carried out, identified and controlled in assigned work area.
 - Reporting to maintenance manager for daily activities, spare parts and consumables in the department to update spares availability to cope up with the maintenance requirements.
 - Preparing purchase requisitions for spare parts and consumables ensuring budgetary constraints and arrange strategic spares availability to cope up with the maintenance requirements. Also preparing the new material requisition specifications, putting the min/max-stock level, reviewing technical offers, inspecting the materials after delivery at the warehouse and reviewing critical electrical spares holdings.
 - Having a role in root cause failure analysis report, identify the root cause, provide clarity on electrical issues and take the suitable actions to

eliminate the problems re-occurrence at future.

- Preparing for plant shut down activities schedule, work plan, material, manpower, loads calculations, daily work activities follow up and reporting. (Worked with three S/D at Khalda Petroleum Co).
- Issue and follow work permits through PTW system and make the isolations as per LOTO standard.
- Attending the daily coordination meeting with production, safety and DCS supervisors for reviewing and planning the electrical maintenance activities and identifying priority jobs.
- Direct, lead and guide junior electrical engineers / electrical technicians for plant electrical activities by making meeting and Toolbox Talks before the job.
- Carry out annual performance evaluation of reporting employees.
- Provide on-the-job training to new employees and evaluate their OJT Performance.
- Select proper contractors for hiring and train them to be aware of plant process and risk.
- Participate in internal/external audits and inspections as prescribed by Manager.
- Perform regular routine rounds and walk-through to inspect electrical equipment and to determine any abnormal conditions, then take proper actions or initiate proper near miss report if required.
- Reporting of emergencies, incidents and near misses.
- Awareness of Quality, Occupational Health & Safety and Environment Management system principles. And knowledge of applicable legal requirements.
- Good communications skills, ready to work within a team, ready for hard working, ability to work under pressure and have a high motivation to learn.

Dates : From Mar. 2019 till Jun. 2019 (part time)
Employer : BP & Bechtel
Project : Egypt, Edku City, West Nile Delta Project (WND)
Job title : CompEX Inspector
Job Description :

- Material selection, installation and inspection of E/I equipment in potentially explosive area according to IEC 60079 series.
- Ensure E/I installations are performed in quality manner and according to latest revision drawings, project specs and IEC 60079-14 standard.
- Making initial detailed inspection for EX electrical/instrument equipments at the construction stage following the ITR (inspection test record) forms according to IEC 60079-17.
- Checking cables EX glands for Cmp and Hawke types.

Dates : From Nov. 2007 till Feb. 2010
Employer : El Sewedy Industries, Arab Steel Fabrication (ASF), 10th of Ramadan City, 3rd Industrial Zone
Job title : Junior Electrical Maintenance Engineer
Job Description : PM and CM for overhead cranes, power transformer, PLC Siemens, star/delta motors, VFD, Air circuit breakers, zinc melting furnace, welding machines and metal sheets press machines.