Job Description

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Job Title
Senior Electrical Engineer

Job Location
Tanga

Category
-

Job Type
Full Time

Job level
Intermediate

Industry
Oil & Gas

Open to Expatriates
Open to Expatriates & Local Nationals

Minimum Requirements

Min Budget
-

Max Budget
-

Primary Industry
Oil & Gas: 10 Years

Secondary Industry
-

Primary Category
-

Secondary Category
-

Certificate
-

Qualification
-

Summary

Senior Electrical Engineer will support Back office Electrical Engineer for site electrical activities. Senior Electrical Engineer will act as Electrical authority MV and HV and will provide support and tutoring to electrical site technician(s).Senior Electrical Engineer will manage technicians, service contracts and interfaces with power grid stations or providers.

He/She will be in charge of managing several service contracts such as UPS, Lighting, HVAC, vendors maintenance services.

He/she is responsible for maintenance and inspection activities of EACOP electrical equipment who are mainly:

- Pump package driven by electric VFD motor up to 2 M Watts.
- HV power distribution system
- Piping Heat tracing
- Pipeline LLHT system
- PV farm
- BESS (Battery system)
- UPS
- Electrical Control Panels, MCC, Switchgears, PLC’s, VFD’s, MoV’s, & CB’s,
- Diesel generators (4 M Watts)
- MVs, HV & LV Systems
- Building electrical wiring system and lighting system
- Air Compressors
- Nitrogen generator
- Fire Heater , Heat exchanger, Electric heater

Responsibilities

Production Operations:

- To ensure the performance / availability of the facilities, highlight miss-functions, compile relevant data, establish a diagnosis, produce corresponding report with corrective actions and participate to the implementation of the agreed plan.
- Prepare periodic or specific reporting of the maintenance activities under his/her responsibilities.
- Preparation/review of the complex or with external electric power provider interface PTW dossiers and confirm completeness .

- Preparation of Procedures for operation and shutdown instructions.
- Participation in production incidents or shutdowns are properly investigated and sign the associated production reports.
- Assist in identification of possible areas of optimization, potential improvement to increase equipment availability and cost reduction.
- Ensure execution of both planned and unplanned maintenances of electrical equipment so that to ensure optimization of equipment efficiency and availability.
- Assist in the evaluation and participate on the validation of the Site Modification Request (SMR/RFM); consolidate the technical dossier on maintenance side.
- Participate in validation of the commissioning / pre-commissioning of new equipment or equipment modified; ensure the good management of the punch list after the hand-over.

Maintenance Operations:

- Participate and assist in the project commissioning activities and simops
- Train and assist electrician technician according electrical certification needs
- Contribute to optimization of the maintenance plan for critical electrical equipment.
- Analyze major malfunctions and failures for critical equipment, and contribute to the corresponding action plans with Electrical Engineer
- Contribute on supervision of Electrical spare parts management for critical equipment from Contractors by ensuring they respect the methodology and strategy are agreed and implemented within FO stock policy.
- Participate to Contractors audits when required.
- Assist Area Electrical Engineer with complex troubleshooting and maintenance activities.

Quality Assurance:

- Assist in supervising and evaluating the performance of the Maintenance service contractor, secure that REXs are well implemented for the maintenance plan to be updated.

Site Management:

- Build TEAM environment.
- Evaluate the personnel working in his team and make proposals for their training plan.
- Simop and electrical risk analysis maintenance and commissioning activity during operation.
- Contribute to the training of all personnel under his/her responsibility.
- Organize Job Training (OJT) in coordination with the Training Department.

Health, Safety & Environmental Responsibilities:

EACOP is committed to ensuring that the health, safety and welfare of workers, communities, and the environment are well addressed and managed. Therefore, the employee is mandated to:

- Fully comply with Company H3SE (Health, Safety, Social, Security & Environment) policies and Life Saving Rules.
- Actively participate in HSEQ and promotes this culture to co-workers.
- Remain vigilant and maintain continuous awareness of potential unsafe conditions.
- Communicate to management any HSE related concerns and ways to improve them.
- Maintain a workplace & workspace that is safe, clean, and always neat – practice good housekeeping.

Education & Qualifications

- Bachelor’s degree in electrical engineering or similar
- Proficiency in Oral and written English
- Good knowledge of CMIMS (Computerized Maintenance & Inspection Management System).
- Certified MV and HV engineer

Requirements

- 10 years of experience in Oil & Gas industry, 3 years minimum as site Electrical authority, Experience in electrical Power generation, distribution, control and management systems with 10 years’ experience on transformers, HV/LV switchboards, HV/LV Motors, ECS and PMS.
- Reliability, autonomy, analytical, organizational capacity and strong technical knowledge
- Good knowledge of HSE

Reporting To

N+1: Head of Maintenance and Inspection for TZ / Maintenance Engineer for UG

N+ 2: Operations Director for TZ / Head of Maintenance and Inspection for UG

Driving Licence

Not Required

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