Pelican Energy TCI

VACANCY- SOLAR OPTIMIZATION TECHNICIAN

Applications are invited from interested and suitably qualified individuals for the position **Solar Optimization Technician, Providenciales.**

Description

- The Solar Technician will be responsible for carrying out routine and corrective maintenance, troubleshooting, and performance optimization of Solar PV Assets. The role ensures reliable plant operation, safety compliance, and achievement of energy generation targets. The job holder will report to the Operations & Maintenance Engineer.

Main Duties include:

- Perform scheduled preventive and corrective maintenance on solar PV systems, inverters, switchgear, transformers, and associated electrical equipment.
- Conduct routine plant inspections, performance checks, and identify potential faults.
- Support the safe energization, isolation, and restoration of electrical systems during maintenance.
- Assist in inverter parameter checks, string current measurements, and insulation resistance testing.
- Diagnose and repair faults in PV strings, connectors, inverters and monitoring system
- Ensure timely response to alarms and system breakdowns to minimize downtime.
- Collaborate with other technicians and engineers to resolve complex technical issues.
- Support real-time monitoring of plant performance via SCADA or data acquisition systems.
- Assist in performance data collection.
- Recommend technical improvements to enhance plant efficiency and reliability.
- Ensure all maintenance work complies with safety, quality, and operational standards.
- Ensure strict adherence to company health, safety, and environmental policies.
- Assist with scheduled electrical maintenance activities as assigned within Generating plants
- Ensure these services are delivered efficiently, consistently, and in alignment with operational and regulatory requirements.
- Oversee risk management related to workplace safety, facilities, and physical security.

Daily Duties

- Participate in Job Planning / Risk Management assessments of each job at its commencement.
- As indicated in weekly plan developed by the Electrical Maintenance Supervisor.
- As assigned by the Electrical Maintenance Supervisor or designated team leader from time to time.
- Perform such other duties as may be assigned

Academic/Technical/Management: Experience and Qualifications:

- Associate's degree in electrical engineering or a relevant field
- Minimum 2 years of experience in electrical maintenance in power generation or industrial plant environment
- Certification in Solar PV O&M will be an added advantage.
- Strong understanding of solar PV electrical systems and maintenance best practices.
- Ability to read and interpret electrical drawings
- Basic knowledge in MS office

- Good command of English language (Spoken and written)
- Maintain & Hold a Valid TCI Driver's License for levels (B,C,H) that pertain to the job classification. 45001 & 14001 systems and programs. Knowledge of employment law.
- Experience managing cross functional teams.
- Demonstrated experience leading organizational change, leadership development and workforce transformation.

Abilities and Skills:

- Excellent team player and team building skills
- Good analytical skills
- Excellent written and oral communication skills
- Ability to function effectively under emergencies and high-pressure situations.
- Think clearly and can deliver within deadlines.
- Goal-oriented
- Self-motivated, solution oriented and positive in outlook

Compensation commensurate with qualifications and experience.

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