



GLOBELEQ

JOB DESCRIPTION / RECRUITING FORM

Job Title:	Solar EPC PV Technician
Company:	Globeleq South Africa Management Services
Reports To:	Plant Manager
Location:	De Aar, Northern Cape

Main Purpose of Role

The main role of the Solar PV Technician is to safely execute the outstanding EPC quality rectification works as directed by the Plant Manager. The Solar PV Technicians will also be responsible for identifying and implementing plant optimisation projects under guidance by the Plant Manager and Power Engineer.

Key Responsibilities (this list is not exhaustive)

1. Plan, prepare for and manage activities pertaining to maintaining, testing, diagnosing, repairing and replacing PV system electrical components which will include the following:
 - a. Inspect, test, diagnose and replace PV panels
 - b. Inspect, test, diagnose, repair, replace and maintain cables, cable inter-connections, PV junction/string boxes, connectors and fuses in PV systems
 - c. Inspect, test, maintain, diagnose, repair and replace transformers
 - d. Inspect, test, diagnose and maintain HV yard equipment
 - e. Inspect, test, diagnose, repair, replace and maintain switchgear and control gear in PV systems
 - f. Inspect, test, diagnose and maintain CCTV system
2. Maintain Hybrid system, including batteries
3. Apply root cause analysis techniques
4. Investigate technical failures and prepare formal report
5. Raise work requests for onsite intervention in CMMS/ERP system
6. Enforce HSE compliance with contractors
7. Conduct audits, i.e. issue and follow up on non-conformances
8. Work with Power Engineer on Plant optimisation (reliability and future CAPEX projects)
9. May require standby duties
10. Train interns/P2 students
11. Interact with Eskom Control
12. Prepare Requests for Quotes as needed
13. Report significant events to Plant Manager and Power Engineer
14. Any other duties, as assigned by the Plant Manager, in line with the role

Skills / Competencies

1. Able to troubleshoot and analyze data including following various types of process charts, schematics, single line diagrams
2. Very good written and oral communication skills
3. Well-organized and responsive in all communications including clear, concise e-mails; adept at writing reports and policies
4. Good team player; able to balance team and individual responsibilities
5. Able to communicate effectively, orally and in writing
6. Able to manage stress and high-pressure situations
7. Able to handle multiple projects, prioritize work and work effectively under limited supervision

Experience, Knowledge & Qualifications

1. Minimum of a N3 with electrical subjects (Red Seal qualification, N6 or NATIONAL Diploma in Electrical Engineering is preferred)
2. Minimum 3 years' utility experience in power plant or industry experience is desired
3. Working knowledge of PV plants
4. Experience in switching LV, MV and HV systems
5. Experience with lock-out tag-out procedures
6. Working knowledge of power system protection
7. Able to read and interpret single line diagrams and schematics
8. Demonstrated experience in the maintenance of LV and 22kV cable, DC cable systems including fault location and diagnostics is an advantage
9. Cable jointing qualifications and experience is an advantage
10. SCADA: able to analyse data, investigate and report on trends
11. SCADA systems: knowledge of/experience in T3000 SCADA and Ellipse experience would be advantageous
12. General ERP/CMMS experience: SAP, Ellipse, SAGE, Maximo
13. Working knowledge of Microsoft Office packages including Outlook, PowerPoint, Word and Excel
14. Code B driver's license required
15. Simotion and Sinamics experience is an added advantage
16. PLC troubleshooting and maintenance is an added advantage

Prepared By

Laura James

Date

20 July 2015

Application process

CVs and cover letters, together with driver's license and current salary details, to be emailed to jobs@globeleq.co.za by **Monday 11 January 2016**.