



## O&M Technician

### Introduction to SOLA

The SOLA Group is a vertically integrated provider of renewable energy solutions, aiming to transform Africa through clean energy. With over 13 years of experience, SOLA's expertise lies in the origination, development, financing, engineering design, project management and Operations and Maintenance of renewable energy facilities. For more information, visit [www.solagroup.co.za](http://www.solagroup.co.za).

### The overall purpose of the position:

Two Solar PV Plants 100MWac each (130 MWdc and 126 MWdc each respectively) with ground mount tracking systems are about to enter into Operations, but are currently being commissioned in the Lichtenburg area. The position would require fault/failure investigation, repair, planned and unplanned maintenance of equipment as well as reporting, all while adhering to the HSE requirements.

Reports to:	O&M Plant Manager
Location:	Lichtenburg, North West Province
Contract type:	Permanent Contract
Number of positions:	4

### Summary of Responsibilities:

- Plan, prepare for, manage and execute activities pertaining to Preventative Maintenance on the solar plant assuring all HSE procedures are followed.
- Plan, prepare for, manage and execute activities and execute pertaining to Corrective Maintenance on the solar plant assuring all HSE procedures are followed, activities include but are not limited to:
  - Respond to all alarms triggered on the solar plant;
  - Resolve all trips on the solar plant as soon as possible;
  - Attend to all breakdowns, do fault finding/root cause analysis and resolve, fix or replace faulty equipment with minimal energy loss;
  - Diagnose and replace PV panels;
  - Diagnose, test, repair and/or replace cables, cable interconnections, PV junction/string boxes, connectors and fuses in PV systems;
  - Diagnose, test, repair and/or replace transformers;
  - Diagnose, test repair and/or replace HV yard equipment;
  - Diagnose, test repair and/or replace tracking system; and
  - Diagnose, repair and/or replace switchgear and control gear in PV systems.
- Apply root cause analysis techniques on all major and recurring faults;
- Investigate technical failures and prepare formal technical report;
- Generate and manage tickets on the ERP system
- Enforce HSE compliance with contractors.
- Optimise operation and maximize the production of power plants.
- Correctly and timely operating the plant.
- Willing to work standby/Overtime as per the company policy requirements
- Complying with the parameters defined by the Operation and Maintenance Function related to operation, maintenance, availability.
- Perform technical maintenance activities of the plant with special attention on the conversion units and tracking system.

## **INTERNAL**

- Execute maintenance activities assisted by different actors involved in the plant maintenance.
- Comply with Legal, Safety and Environment requirements.
- Rectify, investigate and report regularly and promptly any issues that may arise.
- Link the data detected by the systems (SCADA, control rooms etc.) to the events occurred in the power plants.
- Monitor the power plants status.
- Assist the Plant Manager on plant optimisation (reliability and future CAPEX projects).
- Perform standby duties.
- Train/mentor artisans/interns
- Interact with Eskom where necessary
- Record keeping and management of spare part movements.
- Report significant events to Senior Technicians / Plant Manager.
- Any other duties, as assigned by the Senior Technician / Plant Manager, in line with the role.
- Conduct switching activities on low voltage and medium voltage (typical 33kV/132kV) electrical networks
- Follow method statements and direction from the O&M Plant Manager and Senior Technicians.

## **Key Performance Indicators**

- Plant availability & Performance ratio
- Planned and unplanned maintenance completed
- Time to resolve technical breakdowns and tickets
- HSE compliance and statistics
- Spare part inventory management

## **Minimum Requirements**

- Preferably diploma in Electrical/Mechanical Engineering or similar.
- Valid Driver's License - at minimum category B.
- Previous electrical plant operating authorisation is compulsory

## **Knowledge & Experience**

- A previous experience in Operation & Maintenance of renewable power plants will be advantageous
- Must have solar installation or solar operations experience (1-3 years), preferably with large scale installation and tracking systems will be advantageous.
- Knowledge of SCADA / PLC and communication systems will be advantageous
- Must have completed ORHVS training (Authorized Person) and be able to conduct live and remote switching duties
- Some exposure/experience with mechanical systems, such as slow rotating torque transfer systems, will be beneficial
- Understand/Interpret technical drawings and SLD's
- Understand and adhere to HSE requirements.
- Able to work in a team as well as independently and have strong interpersonal skills
- Be self-driven and have a strong ability to work independently, but able to work according to approved systems Framework and standards
- Must be able and willing to perform work that can be physically demanding
- Must be in possession or be able to obtain medical fitness certificate in terms of Annexure 3 of OHS Act Construction Regulations
- Must be proficient in English (verbal and written communication) and preferably another language.
- Must be fully computer literate (MS Office Suite and Google App Suite) and be able to be trained in the other systems.

- Preference will be given to candidates residing in Wards 16 within the Ditsobotla Local Community and Lichtenburg at large.
- The ideal candidate will be passionate about the renewable energy industry and will embody respect and responsibility in the full sense of the word, while enjoying contributing to a team of highly knowledgeable professionals

At SOLA one of our core values is *Dig Diversity* and we are committed to transformation and embracing diversity. This commitment is what drives us to achieve a diverse and inclusive workplace, representative of the demographics of our society. We therefore give preference to applicants from the designated groups in alignment with our Employment Equity plan.

**Application Instructions:**

To apply:	<a href="#">Click on this hyperlink</a> to complete the application form for this position. Further instructions are given in the form.
Closing Date:	The closing date for applications will be Wednesday 01 March 2024. However, interested candidates are encouraged to apply without delay. The company reserves the right to expire or extend the deadline for applications any time.