



**STAR-CENTRE**

# Role: Solar PV Maintenance Technician



## Responsibilities:

### 1. **Installation:**

- Installing solar panels and associated equipment on rooftops or ground-mounted systems.
- Conducting site assessments to determine optimal panel placement.

### 2. **Maintenance and Repair:**

- Performing regular maintenance checks to ensure systems are operating efficiently.
- Troubleshooting and repairing malfunctioning solar systems and components, such as inverters and batteries.

### 3. **Electrical Work:**

- Connecting solar systems to the electrical grid, ensuring proper grounding and safety measures.
- Conducting electrical testing and inspections to comply with safety standards.

### 4. **Documentation:**

- Keeping detailed records of maintenance activities and repairs.
- Ensuring compliance with local, state, and federal regulations regarding solar installations.

### 5. **Customer Support:**

- Providing technical support and guidance to clients regarding system performance and maintenance needs.

## Qualifications:

**Minimum Requirement:** A high school diploma or equivalent (10th grade).

### **Preferred Qualifications:**

- Vocational training certification in Electrical or Electronics (by industrial training institute or university or concerned ministry).
- Diploma in Electrical Engineering or related fields.
- Completion of specialized courses in photovoltaic technology from recognized institutes

## Skills:

1. Strong understanding of solar panel installation and maintenance
2. Familiarity with electrical systems and components.
3. Ability to troubleshoot and resolve issues with solar systems efficiently
4. Precision in following safety protocols and installation guidelines.
5. Capability to perform physically demanding tasks, such as lifting heavy equipment and working at heights.
6. Skilled in reading and interpreting blueprints and schematics for proper installation
7. Knowledge of safety standards and regulations related to solar installations