



STAR-CENTRE

# Role: Solar PV installer – Electrical



## Responsibilities:

### 1. Installation of Solar PV Systems:

- Install solar panels on rooftops or other structures.
- Secure panels and ensure they are properly aligned and positioned for maximum efficiency.

### 2. Electrical Wiring and Connections:

- Perform electrical wiring and connections for solar PV systems.
- Connect solar panels to inverters and other electrical components.

### 3. Site Assessments:

- Conduct site assessments to determine the best location and layout for solar panels.
- Evaluate roof conditions, shading, and other factors that could affect system performance.

### 4. System Testing and Commissioning:

- Test solar PV systems to ensure they are functioning correctly.
- Commission systems and verify that they meet performance and safety standards.

### 5. Maintenance and Troubleshooting:

- Perform routine maintenance on solar PV systems to ensure optimal performance.
- Troubleshoot and resolve issues related to solar PV systems, including electrical faults and performance problems.

### 6. Compliance and Safety:

- Ensure all installations comply with local electrical codes and safety standards.
- Follow safety protocols to protect themselves and others during installation and maintenance.

### 7. Documentation and Reporting:

- Maintain accurate records of installations, maintenance, and repairs.

## Qualifications:

- 10th pass + Diploma (Electrical/Electronics/Civil/ Mechanical/ Fitter/Instrumentation/Welder or any related trade)
- 12th Pass with Science
- 10th grade pass and pursuing continuous schooling
- 10th pass with 2 years of Experience
- Any other relevant certification

## Skills:

### 1. Technical Skills

- **Electrical Knowledge:** Understanding of electrical systems, wiring, and the National Electrical Code
- **Solar Technology:** Familiarity with photovoltaic (PV) systems and solar panel installation techniques
- **Tool Proficiency:** Ability to use power tools and machinery safely and effectively

### 2. Safety and Compliance

- **Safety Protocols:** Knowledge of safety standards and protocols to ensure safe installation and maintenance
- **Regulatory Compliance:** Understanding of local, state, and national electrical codes and building standards

### 3. Physical Abilities

- **Physical Fitness:** Capable of lifting heavy equipment and comfortable working at heights and in various weather conditions
- **Attention to Detail:** Precision in installing and maintaining solar panels to ensure optimal performance