



# Role: Solar PV installer – Civil

## Responsibilities:

### 1. Installation

- **Mounting Systems:** Set up structural framing to support solar panels by accurately measuring, cutting, and assembling mounting components
- **Panel Installation:** Affix solar panels securely onto mounting structures, ensuring precise alignment and firm attachment for optimal performance

### 2. Structural Work

- **Framework Construction:** Building and installing the framework that supports the solar panels. This may include working with metal, wood, or other materials
- **Weatherproofing:** Applying weatherproofing materials to protect the installation from environmental factors such as rain, wind, and UV radiation

### 3. Safety Compliance

- **Safety Equipment:** Setting up and using safety equipment such as harnesses, ladders, and scaffolding to ensure a safe working environment
- **Regulatory Adherence:** Ensuring all work complies with local, state, and national safety regulations and building codes

### 4. Maintenance

- **Routine Checks:** Performing regular maintenance checks to ensure the solar panels and associated equipment are operating efficiently
- **Troubleshooting:** Diagnosing and fixing issues such as damaged panels, damaged mountings

### 5. Documentation

- **Record Keeping:** Maintaining detailed records of installation procedures, maintenance activities, and any issues encountered. This helps in tracking the performance and history of the solar PV system

## Qualifications:

- 10th pass + Diploma (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

- **Knowledge of Photovoltaic Systems:** Understanding how solar panels work and how to install them correctly
- **Electrical Wiring:** Familiarity with electrical systems
- **Construction Skills:** Experience with construction tools and techniques, especially those related to roofing and structural integrity

### 2. Physical Abilities

- **Physical Fitness:** Capable of handling heavy equipment and performing tasks at elevated heights, ensuring safety and efficiency in operational activities
- **Stamina:** Capability to work outdoors in various weather conditions

### 3. Safety and Compliance

- **Safety Protocols:** Knowledge of local, state, and national electrical codes and building standards
- **Attention to Detail:** Ensuring all installations meet safety and quality standards

### 4. Additional Skills

- **Problem-Solving:** Ability to troubleshoot and resolve issues that arise during installation