



Role: Solar PV installer – Civil



Responsibilities:

1. Installation

- **Mounting Systems:** Installing mounting systems that support solar panels. This involves measuring, cutting, and assembling structural framing.
- **Panel Installation:** Securing solar panels onto the mounting systems, ensuring they are properly aligned and securely fastened.

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:** Ability to lift heavy equipment and work at heights.
- **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.