Mukesh Kumar Meena

Solar PV Technician

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PERSONAL STATEMENT

ITI Electrician and Suryamitra-trained solar PV technician with a one-year apprenticeship at a rooftop solar EPC company. Hands-on in module mounting, DC and AC cabling, string testing, on-grid inverter commissioning and net-metering documentation for homes and small businesses.

WORK EXPERIENCE

Apprentice Solar Technician · Thar Suryadeep Energy Pvt Ltd, Jodhpur — Jul 2025 – Jun 2026

- Installed 46 rooftop systems from 3 kW to 50 kW on homes, shops and a school, including structure fixing, module mounting and cable routing.
- Tested open-circuit voltage and short-circuit current on every string before inverter connection and recorded results in the handover sheet.
- Commissioned on-grid inverters, configured monitoring apps for customers and explained daily generation readings.
- Prepared site photos and documents for DISCOM net-meter applications under the rooftop solar subsidy scheme.

EDUCATION

ITI in Electrician (NCVT) · Government ITI, Jodhpur, Jodhpur — 2022 – 2024

Grade: 85%

SKILLS

Rooftop solar PV installation, Module mounting and structure fixing, DC and AC cabling with MC4 connectors, String Voc and Isc testing, On-grid inverter commissioning, Earthing and lightning arrester, Net-metering documentation, Module cleaning and O&M basics

CORE SKILLS

- Working at height safety
- Customer explanation
- Site documentation
- Teamwork
- Electrical safety

PROJECTS

5 kW rooftop system at ITI workshop · Trainee installer — Nov 2024 – Dec 2024

Group practical project during Suryamitra training to design and install an on-grid system on the institute roof.

- Calculated module count and string sizing for a 5 kW inverter with the trainer.
- Installed earthing pits and a lightning arrester, and measured earth resistance below 2 ohms.

Module cleaning and performance check drive · Team member — Mar 2025 – Mar 2025

Village-level drive to clean and check solar pumps and rooftop systems.

- Cleaned and inspected 18 solar pump and rooftop systems and reported 4 faulty connections to the vendor.

CERTIFICATIONS

Suryamitra Skill Development Programme · National Institute of Solar Energy (NISE) — Jan 2025

Working at Height Safety Training · Company safety induction — Jul 2025

LANGUAGES

Hindi · Native, Marwari · Native, English · Conversational

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