

Job Title: Designer- Rooftop Solar System

Department: Solar

Location: Delhi- Jahangirpuri

Reports To: Solar Head

Job Summary:

We are looking for a skilled Rooftop Solar System Designer to join our team and support the planning, layout, and technical design of rooftop solar photovoltaic (PV) systems. The ideal candidate will have experience in solar design software, a solid understanding of electrical systems, and a commitment to renewable energy solutions.

Key Responsibilities:

- Design on-grid, off-grid, and hybrid solar PV systems tailored to client requirements.
- Calculate electrical loads and energy requirements based on client consumption patterns
- Conduct shading analysis, roof assessment, and load calculations to determine system size and performance.
- Prepare detailed project costing including panel sizing, inverter selection, BOS, installation labor, and civil works
- Create Excel-based costing sheets with dynamic formulas for accurate budgeting and proposal preparation

Qualifications:

- Diploma / B.Tech / B.E. in Electrical, Mechanical, or Renewable Energy Engineering.
- 2+ years of experience in solar rooftop system design (residential, commercial, or industrial).
- Proficiency in AutoCAD, PVsyst, Helioscope, or similar solar design tools.
- Basic knowledge of electrical wiring and structural engineering principles.
- Familiarity with MNRE/DISCOM regulations and Net Metering policies.
- Strong attention to detail and project documentation skills.

Preferred Skills:

- Experience in 3D modeling software like SketchUp.
- Knowledge of battery backup and hybrid solar systems.
- Ability to conduct on-site assessments and liaise with installation teams.

Working Conditions:

- Primarily office-based with occasional site visits.
- May require travel to client locations or installation sites.