



Flares Solar PV Systems

COMPANY PROFILE

2020

OVERVIEW:

Flares- Solar PV Systems is a nationally recognized leading solar energy solutions provider, specializing in comprehensive EPC solutions. Flares- Solar PV Systems was founded in Sept. 2017 after more than 2 years of deep and intensive study of the Solar Renewable Energy and gaining hands on experience of installing more than 1.5 MW of Rooftop Solar PV Systems.

VISION:

To make people take a step towards saving environment by contributing for fulfilment of society's energy needs by harnessing the power of Sun.

MISSION:

To accelerate India's economic development by bringing in the best of solar technology and support it with the best solar expertise.

WHY SOLAR?

- ★ No Electricity Bills for lifetime
- ★ Most beneficial investment ever giving more than 25% of returns per year
- ★ No dependency on Grid power
- ★ Income Tax Benefits (40% Tax Depreciation)
- ★ Subsidies
- ★ ROI within 3-4 years
- ★ Unit(kWh) rate 2rs to 2.5rs for 25years
- ★ Clean and Green energy
- ★ Reduce Carbon Emission

WHY FLARES?

- ★ Best Pre- Consulting before installing Solar PV System by providing
 1. Annual Generation Report
 2. Shading Analysis Report
 3. 3-D designs drawn by an Architect to make system look beautiful and give maximum output.
 4. ROI Table including benefits of Taxes/ Subsidies
- ★ Free State Electricity Board (MSEB) Approval work
- ★ Prompt Service.
- ★ Experience of more than 1.5 MW of Rooftop installations
- ★ Use of Tier 1 company products & best quality BOS to make system durable over period of 25 years.
- ★ Thermographic Analysis at the end of the year
- ★ Remote Monitoring Systems to check data on mobile phones
- ★ Free AMC for BOS for 1st year
- ★ Free Energy Audits
- ★ Transparency in the Material used
- ★ Open to liaise with your fabricator to provide best Structures at lowest cost.

DID YOU KNOW?

- ★ Investing in Solar is 4 times more beneficial than Fixed Deposits

FIXED DEPOSIT	INVESTMENT IN SOLAR
Amount- 10 lakh	Amount- 10 lakh
Interest Rate- 6%	System that can be installed 20kW
Annual savings- 60,000 Rs.	Annual savings 2,78,400 (10rs/unit)
Returns per year- 6 %	Returns per year- 35 %
Returns per month - 0.5 %	Returns per month - 2.9%

- ★ Installing 1kWp Solar PV System stops carbon emission by 1.4 tonne per year which is also like planting 67 Mature Trees per year.

OUR WORK FLOW:

A. PRE-INSTALLATION CONSULTING

★ **Load Calculations:**

Load calculations based on average annual units consumption are necessary in order to check the system capacity required.

★ **Site Survey:**

Feasibility study of unshaded rooftop area available for installation of required capacity system and testing structure for stability to support load of modules and grid connectivity.

★ **Detailed Proposal/Report:**

Report with load and feasibility study is submitted to client. It includes system capacity required, 3D engineering drawing, price schedule table including return of investment and cost recovery table. Along with this, a simulation report including shading analysis and unit generation based on combination of panels, inverters and geographic location of site.

★ **Product and vendor finalization:**

Product finalization is based on type of system whether subsidized or non-subsidized (*Indian make modules are compulsory for subsidized projects). Depending upon product and equipments required vendor is finalized along with well qualified electrical and civil contractors.

B. INSTALLATION & COMMISSIONING:

★ Electricity Board Liasoning:

Approval is required from electricity board in order to install system. After installation joint inspection is done by the board. Simultaneously testing of net-meter and generation meter is completed.

★ Subsidy Sanctioning:

Application for availing subsidy is filled and necessary documents are submitted to the nodal agency as being channel partner of MEDA.

★ Installation:

Once the approval is received from electricity board, installation process begins. Every minute detail is taken care of while installing the system. Life of solar panels is 25 years but do the cables last for 25 years? No. So to make system more durable, the wires are passed through pvc conduits. Pin type lugs are used to minimize the leakages. We provide seperate earthings for DC, AC and LA. Load of modules as well as climatic and atmospheric factors are taken into consideration during erection of structure.

C. OPERATION AND MAINTENANCE:

★ Monthly Site Visits:

Our employee will be bound to visit the site monthly during AMC period contract. In addition to that, client will receive the monthly report containing information regarding the number of units generated at site.

★ Knowledge transfer and training:

User manual consisting the information regarding the maintenance of system will be provided to the client.

OUR OFFERINGS:

★ Grid Tied System:

1. Rooftop Mounted System
2. Open Access system

★ Off Grid System

★ Solar Water Pumps

FLARES SOLAR PV SYSTEM

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