



## Who We Are

### About Us

We are the team of professionals from IITs and IIMs having prior experience in alternative energy industry. Solar Photovoltaic (PV) is now an established technology providing reliable, sustainable and pollution free electricity generation. Our team members have worked on a variety of strategic assignments right from the beginning of the solar power generation phenomenon. Ikjot Energy, a venture started by us is capable of providing smart solar energy solutions. The company is offering a range of products and services to customers. Industry, residential societies, schools, commercial malls and big corporate houses are paying large sum of money on their monthly electricity bills. These entities also have large rooftop areas. This space can be utilized for putting up Solar power plants of required capacities. Diesel generator are costlier, need regular replenishment of diesel and emit lots of carbon. Its operation is discouraged by NGT. Hence. Solar PV can effectively meet their electricity needs in a safe and sustainable manner.

**Send Us your Energy requirement we will assess your project's viability, minimize the risk and enable you to make informed decisions**

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**IKJOT ENERGY  
INTERNATIONAL  
PVT. LTD.**



*Adopt Solar to make clean,  
green and beautiful world*

## Our Products

### Off Grid Solar Power Pack

#### 150Wp-10KWp : Single Phase ,10KWp-50KWp : Three Phase Hybrid

*Ikjot Energy's off-grid solar power packs are an ideal solution for areas having no electricity supply. These self-sustaining solar power packs can provide clean energy for residential homes and small commercial units and reduce their dependence on DG sets, thereby saving costs. Our off-grid solar power packs are low in maintenance and have a long life of up to 25 years*



### On Grid Solar Power Pack

#### 1.5KWp-500KWp

*On-grid solar power packs are ready to use solar power solutions which convert solar energy into electrical energy using inverters for ready consumption. In an on-grid system there is no storage and electricity generated by the system is used by consumers directly.*

*An on-grid system also provides the opportunity to feed surplus power to the main electricity grid. Ikjot's on-grid solar power packs are manufactured for use in establishments connected to the electricity grid*



### Solar LED Street Lighting system

#### 5-60 WP

*Solar powered outdoor lighting systems are ideal for lighting areas in remote locations where grid power is unavailable or irregular. Urban areas too can use these systems to reduce dependency on conventional grid power and contribute towards sustainability. Ikjot's LED street lights provide reliable, independent and clean source of energy for street lighting applications. Its robust design makes it suitable for various climatic conditions and battery backup ensure dusk to dawn operations.*



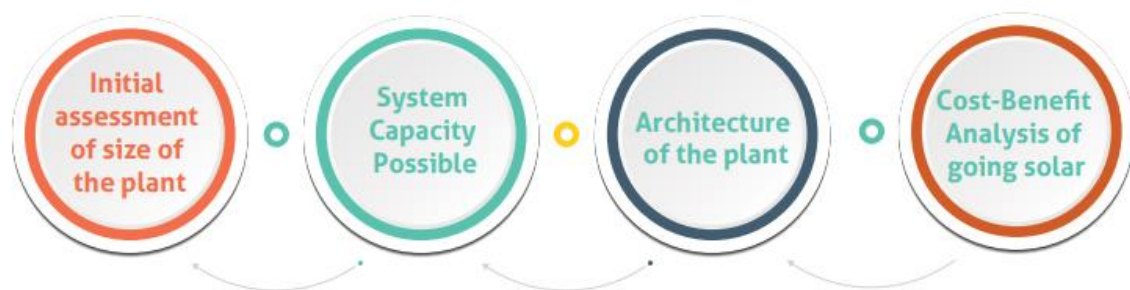


## Our Services

At Ikjot Energy,

- we provide comprehensive assistance to general households, schools, residential societies, commercial and industrial installations anywhere in India for implementing both rooftop and ground-mounted Solar Power Plants.
- We professional services of preparing a feasibility report and identifying the right Solar Power Plant as per your energy requirement.
- Our's Techno-Commercial Feasibility report will help you to assess your project's viability, minimize the risk and enable you to make informed decisions.

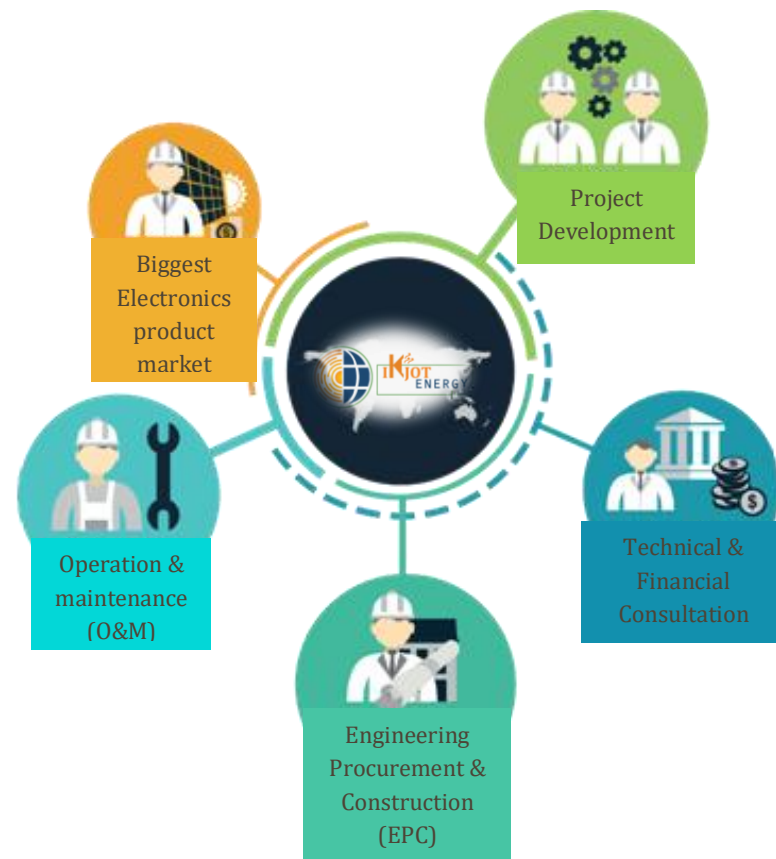
### Free Technical Feasibility



### Commercial and Financial Feasibility Assessment



### PROJECT WORKFLOW



## Why Solar

Regular uninterrupted supply of electricity is a basic need of industry, commercial establishments, centers of higher learnings and general households. Soaring electricity bills, increasing power outages and deteriorating environmental conditions, make the solar energy a most viable, valuable and long lasting solution. We at Ikjot Energy, constantly strive to provide our customers with customized solutions that help them migrate seamlessly to Solar Power. By adopting pollution free solar energy, you will be setting up an example for your future generations.



Up to 0\*  
Electricity bill



3-5 times cheaper  
than regular Grid electricity



0 Carbon  
Footprint



25+ years with  
fixed cost of generation



40+20% Accelerated  
Depreciation (A.D) Benefit



Up to 2% maintenance  
cost of system cost



## Applications



### RESIDENTIAL



- Cost of electricity for lighting common spaces like stairways, open areas, lifts, water pumps can be significantly reduced by going solar.
- With our solar power solutions, we guarantee 25 years of consistent electricity generation. Residential societies and standalone houses can achieve significant savings on their electricity bills, and be guarded against the rising tariff rates.
- Installing solar will also help in appreciation of market value of your asset.
- We provide assistance in applying for subsidy, wherever eligible.
- We also provide complete off grid solution for your house. It may lead to totally independence from your Grid electricity provider.



### INSTITUTIONAL



- Consistent supply of electricity is a basic requirement to provide hindrance free education.
- Our solar power solutions ensure hassle free power supply, provide significant savings in electricity bills, and also inspire future generations on renewable sources of energy.
- Installing solar panels help maintain an image of an environment-friendly institute and increases the brand value.
- Institutes can also reduce education fee owing to reduced operational electricity costs, eventually keeping them ahead of competition.
- We have successfully installed rooftop solar solutions in many schools



### INDUSTRIAL/COMMERCIAL



- Rising overhead costs and high commercial tariff of electricity cause a dent in a company's profitability.
- Our solar power solutions help industries to reduce electricity bills and divert the funds to more productive avenues.
- Solar power plants also provide consistent electricity output for seamless business operations.
- It reduces peak loading of the grid following to which the variable cost is also reduced.
- Solar for Industries is an ultimate model for achieving the goal of 175 GW of renewable energy capacity by the year 2022



## Our PV Projects



*Kasauli, Sanawar, Himanchal Pradesh*

### 50 KWp at The Lawrence School Sanawar

A grid interconnected solar power plant of 50 KWp capacity has been installed within one month in the hilly region of Himachal Pradesh. The project has been challenging from the point of accessibility to the roof, accessibility of grid interphase point, earthing of equipments in hilly regions and challenge to keep it safe from monkeys. The plant is now commissioned and giving excellent performance .

SIZE	50 Kw
Module type	Mono Perc
AREA	450 m <sup>2</sup>
LOCATION	Kasauli, (HP)
TYPE	Rooftop

### Bareilly Uttar Pradesh

Completed this project within one day



*350 KW rooftop solar plant at IIT Kanpur*



PV Technology: Thin Film Amorphous Silicon, Mono crystalline along with 2-D tracker at IIT Kanpur

Many More....