

# FORGET ABOUT THE ELECTRIC BILL WITH NAV SOLAR POWER

Nav Solar Power is a professional's choice to build robust and reliable solar power systems.



# NSP

Nav Solar Power Pvt. Ltd.

## WAAREE

*One with the Sun*



## Nav Solar Power Pvt. Ltd.

!! A Brighter Future Starts Today !!



## About Us

NAV SOLAR POWER is a vertically integrated solar energy company that provides Engineering, Procurement, and Construction (EPC) services for residential, commercial, industrial, social sectors and utility-scale solar photovoltaic (PV) projects throughout the India.

NAV SOLAR POWER's turnkey solutions include incentive processing, design, engineering, permitting, installation, commissioning, maintenance, and support. We offer the best in project management, design, and delivery.



## Work Strategy

NAV SOLAR POWER has partnered with the top manufacturers in the world in order to obtain the highest quality components and hardware for our customers' systems with a variety of options to meet your individual needs. NAV SOLAR POWER offers a complete range of customizable renewable energy solutions from the initial consultation to the post-installation maintenance and support.

NAV SOLAR POWER is with you every step of the way. Our engineering team provides custom designs for each solution to fit the financial, electrical, and personal needs of each client. Each of our custom solar solutions is supervised by our project and construction managers from start to finish.



## Our Mission

Our mission is to aggressively drive the cost of solar power downward while maintaining first-class quality and service.

By means of our lean and integrated capabilities, we aim to aid businesses worldwide to go green not only to reduce their carbon footprint but also because our programs make economic sense.



## Our Values

At NAV SOLAR POWER, trust is a key component of our operating philosophy. That's why we provide in-house design, installation, maintenance and support. We make sure that every stage of the process is handled by our team of experts, and no one else. This not only reduces costs, it gives you the peace of mind to know that NAV SOLAR POWER is with you each step of the way.

NAV SOLAR POWER values quality. We believe that delivering a reliable and efficient solar system for you requires highly skilled engineers, installers and high quality solar components. Our expert team ensure timely delivery for your system.



# Benefits of Solar Power



1. **Save Money On Electricity Bills:** You can reduce or eliminate annual electricity costs with solar electric and you can earn credits from utility company for your excess power.

2. **Increase The Value of Your Property:** Adding a solar power system increases the resale value of your property and investment.



3. **Environment Friendly:** A green house gas emission from the burning of fossil fuels is the foremost detrimental sector to a sustainable future. A typical one megawatt solar system will offset 52,500,000 pounds of greenhouse gases over the system lifetimes which would be the equivalent of planting over 22,276 seedlings and growing them for 10 years. You can make a difference!

4. **Energy Security & Independence:** Protection in the event of a power outage or disaster (with a battery backup system).



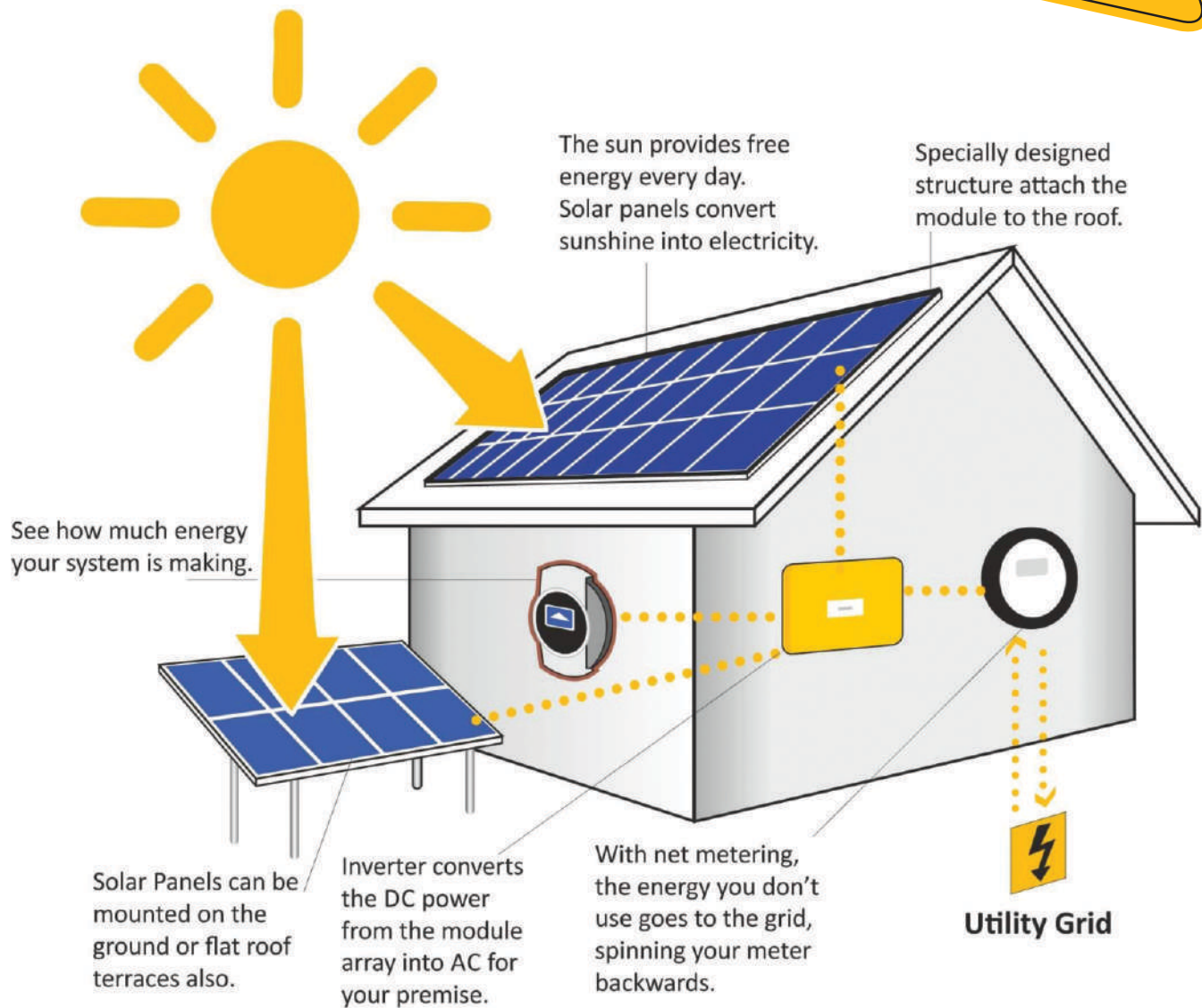
5. **Get Government Money:** MNRE, GOI provides 20% subsidy on installation of solar power plants in domestic sector.

6. **Earn from solar plant:** Opportunity to utilize empty space for an energy financial return and protect against future utility increase. Solar buyers will pay their solar projects investment off in 3-4 years and system will continued to provide more then 25 years free electricity.

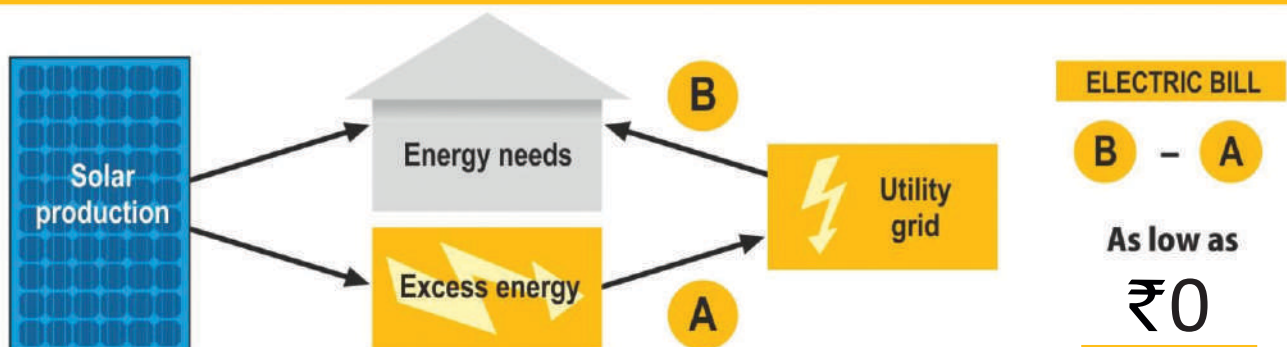


## Working of Solar Power Plant

SUN  
AT WORK



## Net Metering



# Nav Solar Power Deals in various Solar applications:

## ROOFTOP SOLAR POWER PLANTS

### ON-GRID SOLAR POWER PLANT

- Net metering is a state law that defines how solar interacts with the grid.
- Under net metering, you can buy energy from the grid when the sun isn't out, and sell energy back to your utility when your solar produces more than you are consuming.
- No batteries or storage needed; the grid is your perfect storage mechanism.
- Provides the highest return on investment.

### HYBRID SOLAR POWER PLANT

- A net-metered installation that utilizes batteries for emergency back-up power.
- You are able to sell energy back to your utility when your solar produces more than you are consuming.

### OFF-GRID (STANDALONE) SOLAR POWER PLANT

- An off-grid system requires batteries to store and provide power.
- Batteries require maintenance (must be replaced every 5-7 years), and are a significant expense.
- You cannot sell unused power, because energy never leaves your closed system.
- But you are insulated from losing power since you are not reliant on the power grid.



### Basic Parameters

Parameter	Details(approx)	Parameter	Details(approx)
Roof required for 1 KW	8-10m <sup>2</sup>	Life of plant	More then 25 year
Electricity Generation	1400 KWh/Annum	Size of plant	1KWp to 500 KWp
Payback Period	3-4 years		



## GRID CONNECTED GROUND MOUNTED SOLAR POWER PLANTS

Ground-mounted PV system are usually large, utility-scale photovoltaic power station. The PV array consist of solar modules held in place by racks or frames that are attached to ground based mounting supports.

### Basic Parameters

<i>Capacity</i>	<i>1MW</i>	<i>Capacity</i>	<i>1MW</i>
<b>Area Required</b>	<b>3-4 Acre</b>	<b>Annual Electricity Generation</b>	<b>16.00Lakh(KWh)</b>
<b>Life</b>	<b>25 yrs</b>	<b>Payback Period</b>	<b>About 9-10years</b>



## SOLAR WATER PUMPING SYSTEM

A solar water runs on electricity generated by photovoltaics.

### Advantages of Solar pumps:

- Ensures regular water supply to irregularities to the farmers during day time.
- No running cost and maintenance cost is negligible.



## SOLAR STREET LIGHTS

Solar street lights are raised light sources which are powered by photovoltaic panels generally mounted on the lighting structure.

The photovoltaic panels charge a rechargeable battery which powers a fluorescent/LED lamp during night. They are

designed to illuminate large areas with highest intensity of lighting. Nav solar power offers

a wide variety of solar lighting configuration and styles, to meet your specific needs. The system will

be configured according to the environmental conditions of the installation site as well as yours requirement.

We offer street lights, garden lights and search lights used for

commercial, residential, streets and parking lots using high quality of products.





## SOME PROJECTS OF NAV SOLAR POWER



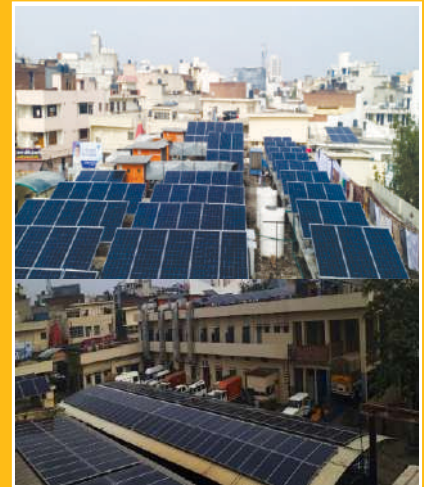
**1000 KWp**

**MALHOTRA CABLES, BHIWADI(Raj)**



**301 KWp**

**ADDVERB TECHNOLOGIES NOIDA**



**180 KWp**

**SANT NIRANKARI MANDAL ,DELHI**



**120 KWp**

**JINDAL RICE MILLS, RATIA,HARYANA**



**100 KWp**

**ABHINAV PUBLIC SCHOOL ,PITAM PURA, DELHI**



**100 KWp**

**MOUNT ABU JUNIOR SCHOOL ,ROHINI, DELHI**



**100 KWp**

**RAJMANDIR HYPERMARKET, NANGLOI, DELHI**



**100 KWp**

**FROLIC CLUB, PANIPAT, HARYANA**



**60 KWp**

**LEH,JAMMU & KASHMIR**

.....Many more





## CLIENTELE

**DENSO**

**Malhotra Cables**  
ON THE PULSE OF CONSTRUCTION REQUIREMENTS

**UMESH MODI**  
JEWELLER

**ADDVERB**  
Human Robot Possibilities

**ASSOCHAM**  
Make, Learn, Export

**RESISTOFLEX**  
Non-ferrous Resistor Solutions  
Precision Resistor Sales & Quality

**INTEGRATED BUSINESS SOLUTIONS**  
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**SANT NIBHAKH**  
CHARITABLE FOUNDATION

**Mount Abu Public School**  
Sector-5, Noida, New Delhi-201301

**ABHINAV PUBLIC SCHOOL**  
CB BLOCK, MIDHAPURA

**Jindal Rice Mills**  
Ratia, Haryana

**VIVEKANANDA MISSION SCHOOL**

**Uttam Public School**

**Frolic Club & Resort**  
Panipat-Haryana

**RAJMANDIR**  
HYPERMARKET

**Rainbow**  
FASHION, YOUR VISION, OUR CREATION

**Gupta Jewellers**

**SHRI RAM INSTITUTE OF MANAGEMENT STUDIES**

**MS**  
MIDHAPURA

**Mittal Polyfab**

**We're Always Happy to Talk About Solar Energy!**

If you want to know more about solar energy, about us or just  
have a no obligation discussion, don't hesitate to contact us.

We also offer a free, no-obligation to assess solar potential at your premises.

Contact : 01143710236, 9205918380

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