



National Solar™



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About Us

NATIONAL SOLAR, a Business Unit of **Bijoy Business Solution and Services Private Limited**, is registered under Ministry of Corporate Affairs, Government of India. An **ISO 9001:2008** & **MSME** certified company.

NATIONAL SOLAR is an authorized channel partner of **MNRE** (Ministry of New and Renewable Energy) for execution of Solar Rooftop On-Grid Projects.

National Solar is a EPC and O&M contractor for utility-scale solar power projects. Building on our experience of different scale solar project, the company is well positioned to meet the expectations of rapidly growing Indian solar market.

With an in-house engineering capabilities and responsiveness, we design and deliver high quality solar projects for our clients.

As supplier of solar installations and ecological energy technology we deliver integrated sustainable energy production solutions. Our product portfolio comprises solar systems for private and commercial users as well as the public sector.





OUR MISSION & VISION

Our mission is to be a proud part of the global transition to renewable energy. While it's no small ambition, our vision of a world without fossil fuels is already evolving and transforming the way we live.

Our part to play in that transition is to deliver a cost effective utility scale renewable energy to customers in different sectors of the economy through our set of cohesive company values.

These values are the cornerstone of everything we do:

Integrity. Safety. Innovation. Sustainability. Teamwork. Entrepreneurial approach.

Our vision is to generate energy for the future. Solar power remains the most secure source of energy for the future. We are in the mission of setting global standards in achieving this goal.

ADVANTAGES OF SOLAR ENERGY

A. POLLUTION FREE

Solar power is pollution free and do not cause any green-house gases emission during or after generation of energy.

Solar is regarded as green energy source.

B. LOW MAINTENANCE

Solar power products have few moveable parts which means that fewer parts exist to break. They last for a long time and require little attention once

C. NO EMISSION

Perhaps the greatest benefits of solar lighting are the environmental benefits. Solar lighting does not contribute to global warming in any way.

D. ENERGY INDEPENDENT

With solar Power systems any private or commercial entity will be free from any future uncertainty related to energy. We can create and utilize the energy based on our own requirement.

E. LOW ENERGY COST

The sun is well-known for providing solar radiation through-out the year without any charge.

Solar energy is cheaper than grid power for all practical purposes in most parts of India.

F. EASY INSTALLATION

The majority of outdoor solar lighting has no confusing wires that must be connected to your main electrical system. Setting up your lights can be as simple as hanging them on a tree or staking them into the ground.



What we do

We have the experience and capability to support solar projects throughout the development and construction stages and for the complete lifetime of the plant.

Engineering, Procurement and Construction (EPC)

National Solar is an EPC contractor providing complete turnkey solar power solutions for utility scale PV projects. We offer both full EPC scope including panel supply as well as EPC for Balance of System (BoS) according to client needs.

- Full turn-key EPC responsibility
- Optimized in-house engineering and design
- Procurement Strategy based on approved tier-1 suppliers
- Energy storage integration and hybrid solutions
- Electrical substations and grid interconnections

Operations and Maintenance (O&M)

We are experts in O&M for solar power plants, offering a full range of plant monitoring, preventive and corrective maintenance services backed up by appropriate contractual guarantees depending on customer requirements.

- Preventive maintenance programs
- Spare parts management
- Corrective maintenance
- 24/7 remote plant monitoring
- Plant availability guarantees
- Information management and reporting



PRODUCTS & SERVICES

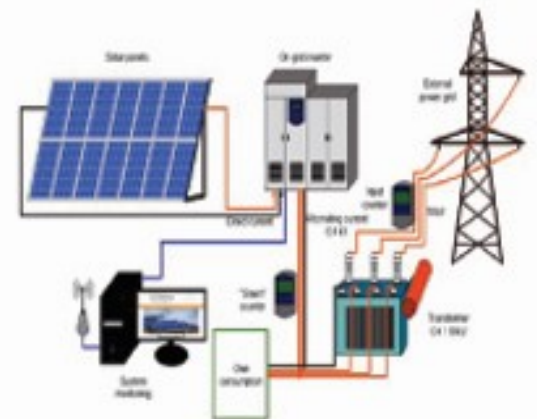
1. SOLAR STREET-LIGHT SYSTEM

Solar street lights are raised light sources powered by photovoltaic panels generally mounted on the lighting structure or integrated in the pole itself. The photovoltaic panels charge a rechargeable battery, which powers a fluorescent or LED lamp during the night.



2. SOLAR HYBRID HOME LIGHTING SYSTEM

Solar Home Lighting System (SHLS) harnesses the sun's energy to light up your home and power your small appliances. Providing illumination powered from the sun's renewable energy, the solar cells in the system convert the sun's energy directly to electricity.



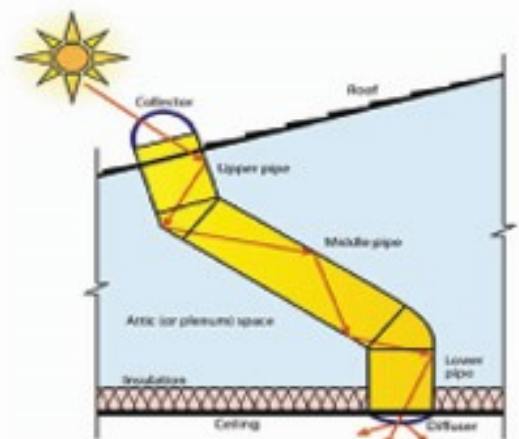
3. SOLAR WATER PUMP

A solar-powered pump is a pump running on electricity generated by photovoltaic panels or the radiated thermal energy available from collected sunlight as opposed to grid electricity or diesel run water pumps.



4. DAY LIGHT SOLAR

- Delivers 99.7% specular reflectivity for maximum sunlight transfer. high continuous reflective system.
- Durable and long life
- Solar day tube is designed to minimize heat transfer.
- High performance light collector partially rejects mid noon light.
- Static air column of the pipe (reflection tube) minimizes heat transfer.



Our Client List:



Dealer / Distributer / Channelpartner / Supplier:



Project Done by National Solar:

- * 100KWp On-Grid Solar Power Plant at Arambagh Girls High School, Hooghly.
- * 70KWp On-Grid Solar Power Plant at Arambagh Boys High School, Hooghly.
- * 245KWp On-Grid Solar Power Plant at Delhi Public School, Megacity, Kolkata.
- * 40KWp On-Grid Solar Power Plant at NABARD Building, Kolkata.
- * 15KWp On-Grid Solar Power Plant at Bishnupur, Bankura & Bishalghor, Tripura.
- * 900Ah 2Volt & 150Ah 12 Solar Battery Supply and Installed at Coal Bhavan, Newtown, Kolkata.
- * 60Pcs Day Light Systems Supply and Installed at Tata Nagar Railway Carshed.
- * More than 500Pcs Street Light and 50 Off grid hybrid Home light Supply and Installed.

NATIONAL SOLAR PROCESS OF EXECUTION

DESIGN –

We believe that there is no room for error. A team of highly skilled and experienced professionals, who have designed more solar systems, meticulously designs each system.

SUPPLY –

We use only the leading materials available. All materials used are checked and evaluated to the highest possible standards.

EXECUTION –

The process of installing and integrating solar systems demands experience, skill and professionalism. Our work force deals, on a daily basis, with the construction and implementation of solar system across the region.

SERVICE & MAINTENANCE -

We work closely with each client to ensure that the system operates consistently and reliably. We realize that a system that is expected to operate for many years needs fast and professional support.



- * Service within 7 – 15 working days.
- * Extensive service warranty for 5 years
- * Yearly 1 free service for 5 years

Contact Us @

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Thank you for taking time to go through our Business Profile.
Hope to serve you the best....