



ARYAV
Ecofriendly Resources LLP

Energizing
Resources

About us

An Indian company having an experience of more than a decade in Solar Power Plants, Solar Street Lights, Solar Water Pumps and Solar Water Heating Systems.

A rich experience of more than 20MW Solar Power Plant, around 5000 Solar Water Pumps of various capacities (from 1HP to 10HP), around 30,000 Nos of Solar Street Lights and more than 20,00,000LPD Solar Water Heating System.

This company is started by Mr. Sanjay Kumar Garg, Mr. Bharat Bhushan Kapoor and Mr. Natwar Dhuwalia having a technical background, achieved excellence in their own field in India

In India, we are known as Aryav Green Energy Pvt Ltd, who has emerged as a pioneer in the Indian Solar Power Sector with a track record of performance, customer care and sustained growth. We have the capability to deliver at every phase of the project: from the early stage of site selection to commissioning of solar power plant and thereafter taking care of the operation and maintenance of the plants.

We understand the need of the customer which is different for the different customers, based on the geography, Culture, Economy etc so we design and customize the solar solutions as per the requirements.

Aryav EcoFriendly Resources LLP provides Solar System Integration Support with professional project management, from proposal to "turnkey" project in India. This means: the customer shall receive all-round support from us for Solar Power generation. Experienced technicians plan the Solar system as per the requirement and create clear plans for module relays. Moreover, the customers receive extensive advice on the different components such as mounting systems, inverters and cabling etc. By combining innovative ideas with the most advanced technologies, we at Aryav Ecofriendly Resources aim to provide you with turnkey solutions for a much brighter future as Solar Power.



**Years of
Experience**



**Solar Modules &
Solutions Installed**



**Solar
Water Heater**



**MW of Solar
Pump Installed**



**Solar Streetlight
Installed**



**Co2 Emissions
Saved**



Solar Pumps

Solar water pumping systems are a practical and affordable solution used to solve water shortage problems. Due to rolling blackout and the constantly rising cost of fuel, pumping of water from surface water and groundwater wells has become extremely difficult for farmers and other water users. Solar powered systems are proven as an affordable alternative pumping system for individual farmers and enterprises

Types **Submersible Pump for Deep Well** **Surface Pump for Shallow Well And Surface Water**

Why Solar Water Pump

- 50% of energy produced in the world is used in operating various kind of Pumps.
- 50% of any SOLAR PROJECT Cost are invested in battery back-up and SPP run during day time so no investment in back-up.
- Independence from Grid as Grid electricity are not feasible at remote location.
- Also, the use of solar energy
- Eliminates noise, emissions and fuel spills, contributing in this way to the conservation of the environment.
- Early pay back period.
- Long Life.
- Reliable power supply source
- More saving due to low maintenance
- Hassle Free of logistics
- Demand for Bigger Pump
- The Solar Pump extracts water over a long time period during the day so the low yielding borehole has time to refill.

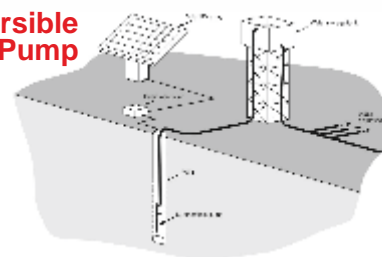
	SOLAR POWERED PUMP	DIESEL POWERED PUMP
INVESTMENT	HIGH INITIAL INVESTMENT	LOW INITIAL INVESTMENT
RUNNING COST	NEGLIGIBLE MAINTENANCE AND RUNNING COST	VERY HIGH MAINTENANCE AND RUNNING COST
MAINTENANCE	PANELS CLEANING REQUIRED CAN BE ACHIEVED THROUGH LOCAL LABOUR	MINOR & MAJOR SERVICE, PERIODIC OVERHAULING NEEDS SKILLED LABOUR
POWER SYSTEM REQUIREMENT	2 TIMES OF POWER OF THE PUMP	ALMOST 4 TIMES OF POWER OF THE PUMP
HAZARDOUSNESS	GREEN ENERGY POLLUTION FREE	FIRE HAZARDOUS AND POLLUTED
LOGISTICS	NA	LOGISTIC AND STORAGE REQUIRED

How Much Water does it pump

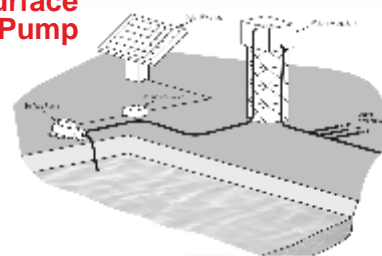
The daily water output of a solar pump depends on four factors:

- How much solar energy is available?
- What is the power of the solar panels that are used to change the solar energy into useful electricity?
- What is the total vertical distance that the water is pumped, measured from the water level in the borehole to the level of the water in the reservoir (total head)?
- How efficient the system is?

Submersible Pump



Surface Pump



Solar Street Lights

Aryav Ecofriendly offers standard and customized Street lighting PV systems for outdoor lighting purpose. This comes with features like dawn to dusk charge controller with both CFL and LED bulb versions. It can be installed both in urban as well as rural areas. Apart from street lighting application, these systems can also be used for outdoor lighting purpose in parks and residential complexes.

It can be of any capacity and can be motion based only which will be integrated also means all the panels, Luminaries and battery will be integrated. Hence no chance of any theft etc.

We can use both Li-ion and Tublar Batteries



Solar Water Heating System



Solar water heating system is a device which used to collect Solar Thermal Energy & transfer it to Hot Water Storage Tank at a desired temperature.

Advantages

- Reduction in peak load.
- Maintenance Free.
- Reduction in rate of global warming.
- Suitable for sub-zero regions.
- Negligible scaling of tubes.
- Higher efficiency on high temperature.
- Less spaces & more economical.
- Long life more than 15 years.
- Availability of hot water 24 Hours.

Saving Energy



Solar PV Systems

AERL has developed a range of standard PV Systems for on-grid and off-grid applications. The components are best chosen to ensure reaching the highest qualitative performance of the system with very stringent quality checks. Additional to our standard portfolio, our team of experienced engineers can develop PV systems based upon your specific requirements both for on-grid and off-grid applications either roof-top or free-field installations in India and across Europe.

We have been providing solutions to Residential, Agricultural as well as Commercial sectors like Telecom, Hospitality, Educational and other industrial segments where secured power supply is essential. AERL has completed series of installations for indoor and outdoor lightings, cooling purpose and other various applications.



Solar

Hybrid System “A-series”: the best in Indian Design

The A-Series is the ultimate stylish, mobile and compact Green Solution for alternative Energy Systems. This Hybrid system, designed in India & Manufactured strictly in accordance with International standards, provide our clients with the opportunity of being able to relocate their power supply source wherever needed.

This product is suitable where no Electrical Power is available or where the Electrical Power Supply is inconsistent and unstable, ensuring a consistently Battery charging, from either Solar, Grid, Wind, or Existing diesel generators power sources(e.g. temporary construction sites, Oil & Gas accommodation camps, Mining Sites, etc).



Glance at our Projects

Solar Street Lights



Solar Water Heating System



Solar Pump



Solar Power Plant



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