



# *Global Energy Collaborations*

**Always Collaborating to make  
Future Brighter and Economical**



**JJ PV SOLAR**

**A Manufacturing facility for GEC with International Approvals**  
[www.globalenergycollaborations.com](http://www.globalenergycollaborations.com)

# COMPANY PROFILE:



GLOBAL ENERGY COLLABORATIONS AND MANUFACTURING FACILITY JJPV SOLAR are formed by some of the top experts in Industry and marketers of Renewable Energy Systems who have been in the industry for nearly 18 years and have seen the success of some of the most remotest Micro and Mini Power plants in some of the most interior villages and presently the whole team offers some of the best systems for Solar Pumps and Home Lighting systems , 2MW to 10 MW Solar Power Plants and SOLAR CATHODIC PROTECTION SYSTEMS for Oil Drilling and Pipelines

As a group we also involved in technology and management expertise and having business experience of over 30 years y specialized in the production of Automobile engine parts like Cylinder liners, sleeves, air cool blocks and spiny lock sleeves and achieved market share across the globe with exporting for more than 40 countries and became recognized O.E.M supplier.



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# COMPANY PROFILE:



Global Energy Collaborations is proud to take you to tour of the manufacturing facility , the Semi-automated line of **25MW** capacity as phase I from European technology providers and will expand to 50MW by end of the year 2012 as a phase II expansion.

Products meets **IEC-61215, IEC-61730 1&2 , & IEC-61701 standards and have various certification of TUV, IEC ,MNRE & ISO.**

We deals in following type of solar products & services with best customer support

- Solar Module (5W ~ 290 W)**
- Solar Water Pump**
- Solar Street Light**
- Solar Home Light**
- Solar Lantern**
- Solar Cathodic Protection Products**
- Complete EPC project**



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# OUR VISION, MISSION & CORE VALUES:



## Vision

Our vision is to become the Global level implementing facility & providing high quality and cost effective complete solar system & solutions that will provide clean, reliable & grid-competitive electric power around the world.



## Mission

Our mission is to continue to help expand the global solar energy industry to make solar power a clean, reliable & reachable energy source for everyone in the world.



## Core Values

We always believe and follow our core values of

- Teamwork
- Sincerity
- Passion
- Commitment

We are dedicated to provide the best PV solutions through innovative business approach, operational excellence & technological experts.



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# OUR QUALITY POLICY:



GLOBAL ENERGY COLLABORATIONS through its facilities and control systems are committed to total customer satisfaction by & offering technical premium Photovoltaic products & services at highly competitive prices in time by:

- ✓ Developing an organization that encourages innovation, empowerment & respect of every customer & employee.
- ✓ Update & Upgrade its processes to meet the ever changing business requirements.
- ✓ Complying with all applicable statutory & legal requirements.

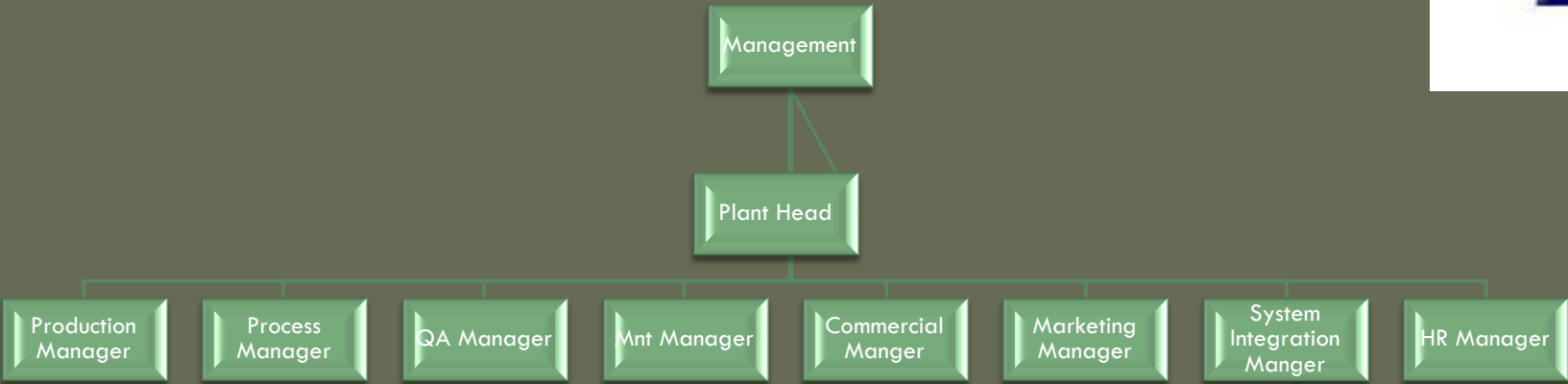


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# ORGANIZATION STRUCTURE & MAN POWER DETAILS:



### Total Employees Statistics:

**80(Experienced and Skilled) & 40(Semi skilled):120 Nos.**

MBA: 5 Nos.

CA: 2 Nos.

B-tech: 10 Nos.

Diploma & Graduates: 30 Nos.

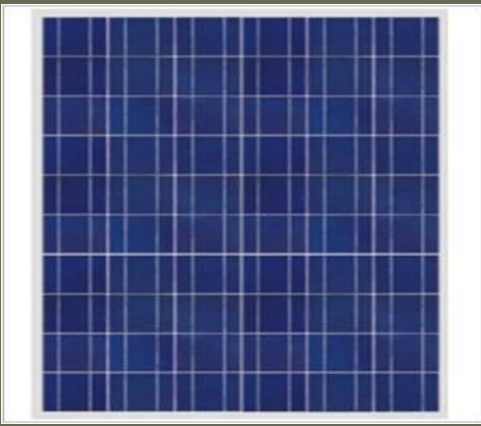
ITI: 60 Nos.



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# OUR MAIN PRODUCTS & SERVICES:

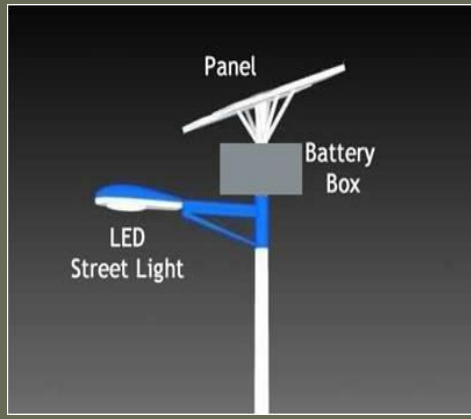
1.Solar Module (5W ~ 290 W)



2.Solar Water Pump



3.Solar Street Light



4.Solar Lantern



5.Solar Home light and power pack



6.Solar Power Plant(Turnkey)



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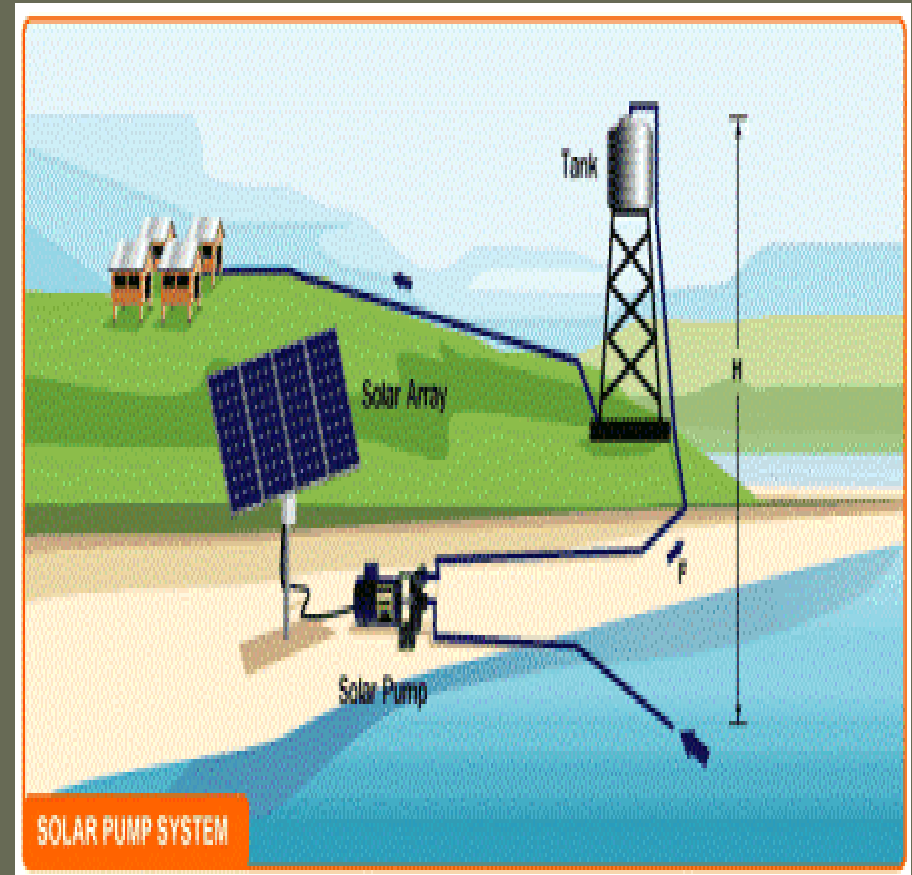
# SOLAR WATER PUMP:



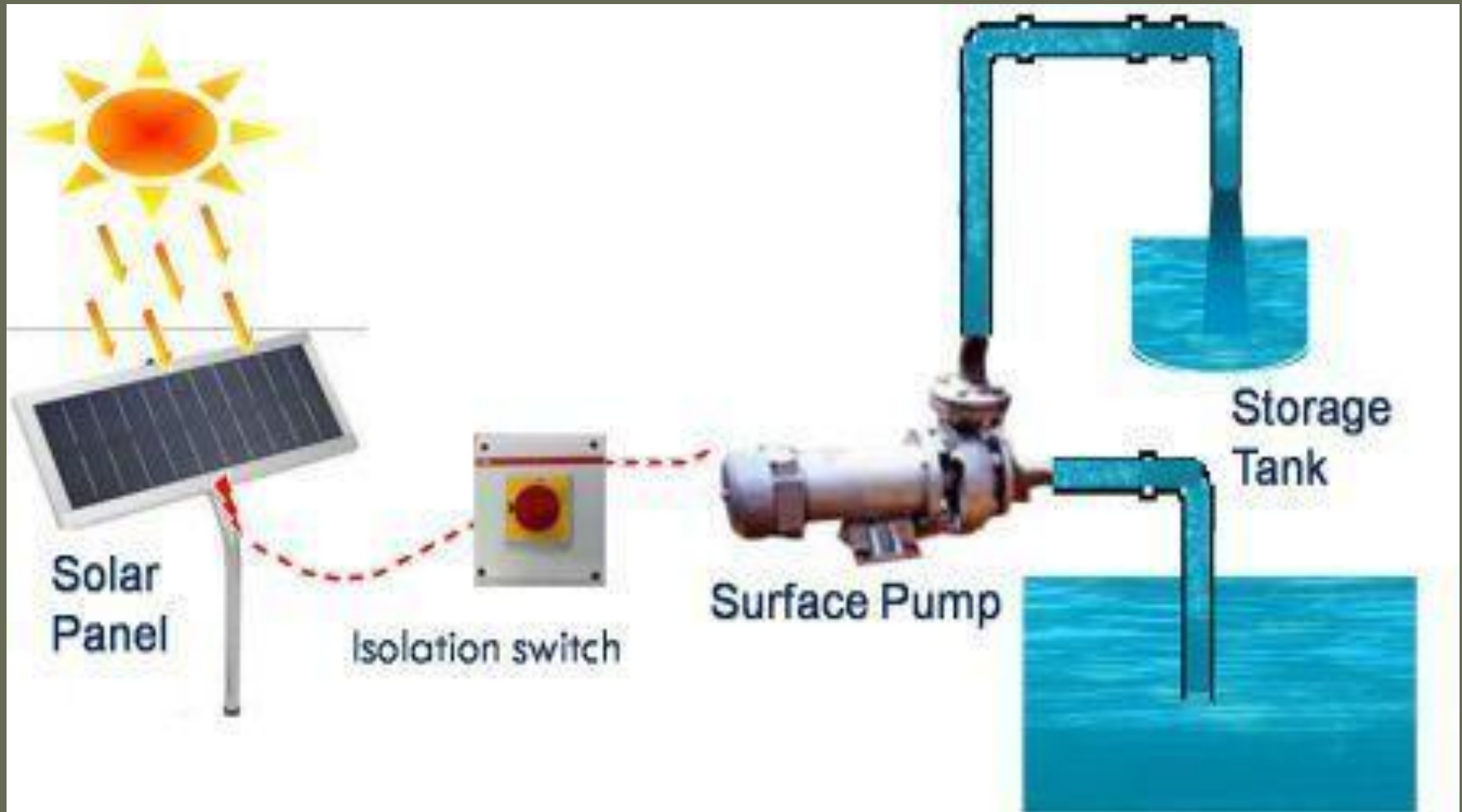


# MAIN COMPONENTS:

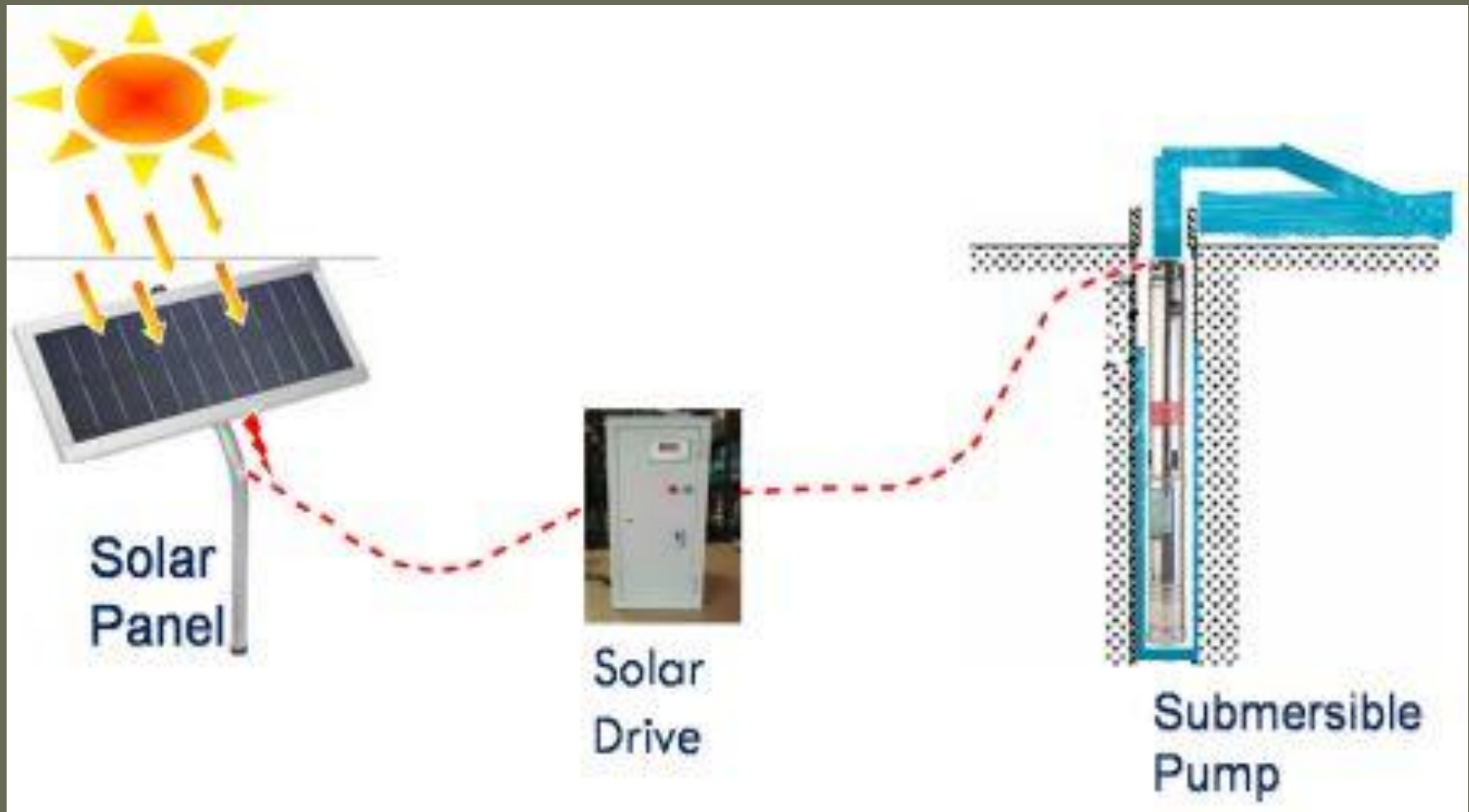
1. Solar water Pump(Surface/submersible)
2. Solar Module
3. Mounting structure with tracking system
4. Electrical switches and cables for electrical connections
5. Solar Drives(Optional)



# WORKING OF SOLAR SURFACE PUMP:



# WORKING OF SOLAR SUBMERSIBLE PUMP:



# WORKING OF SOLAR AC SUBMERSIBLE PUMP:



# MAIN FEATURES:

## Solar Water Pump(0.5 HP ~ 10 HP):

- Available in both type surface and submersible with AC & DC.
- Applicable for all type of bore, ponds etc.
- Maintenance free/Low DC/AC pumps, fit and forget.
- No any running cost, freedom from electricity bills.
- Complete mounting structure(powder coated) with tracking system to get high output .
- Easy to operate.

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# MAIN FEATURES:

## Solar Water Pump(0.5 HP ~ 10 HP):

- It can supply water at flow rate required for irrigation.
- It can work for more than 100 meter depth.
- It can be installed in any remote areas
- Eco-friendly, Free from pollution.
- Various Govt.(India)subsidy and loan scheme available
- 25Years power warranty of solar module and 5Years warranty of complete system

# COMPARISON WITH OTHER TRADITIONAL SOURCE(DIESEL):

Economical Comparison  
between solar water pump  
and diesel pump

## DIESEL PUMP



## SOLAR PUMP



1. The **initial costs** for the diesel pump are lower. Not much, but every penny counts, doesn't it?
2. Next add **replacement costs**. This includes replacing the diesel pump every 5 years and the submersed solar pump unit every 20 years. When these costs are added to the initial costs, the cost for diesel already surpasses the solar pump.
3. Now add **maintenance costs**. For diesel pumps, as every farmer knows, these costs are significant. Already at this point the diesel pump is twice as expensive as the solar pump.
4. Adding **operational costs** reflects the true costs when choosing a diesel pump as a water supply technology on a farm. The actual all inclusive costs over 20 years of diesel pump will be 80% more than solar water pump

# MAJOR APPLICATION OF SOLAR WATER PUMP:

cattle water trough



Irrigation for Agricultural land



Drinking water





# SOME OF OUR INSTALLATION:



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# GO GREEN AND LIVE GREEN

USA, North and South American Markets



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For, India, Asia, Africa and Eastern European Markets



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