

Project Snapshots



2 HP movable and foldable solar pump at Patna, Bihar



3 HP solar pump installed at Madhubani, Bihar



10 HP pump at Nalanda, Bihar



7.5 HP solar pump installed in Phulwarisharif, Bihar



7.5 HP tubewell at Nalanda, Bihar



Solar pumps at ICAR, Patna

Claro in Media



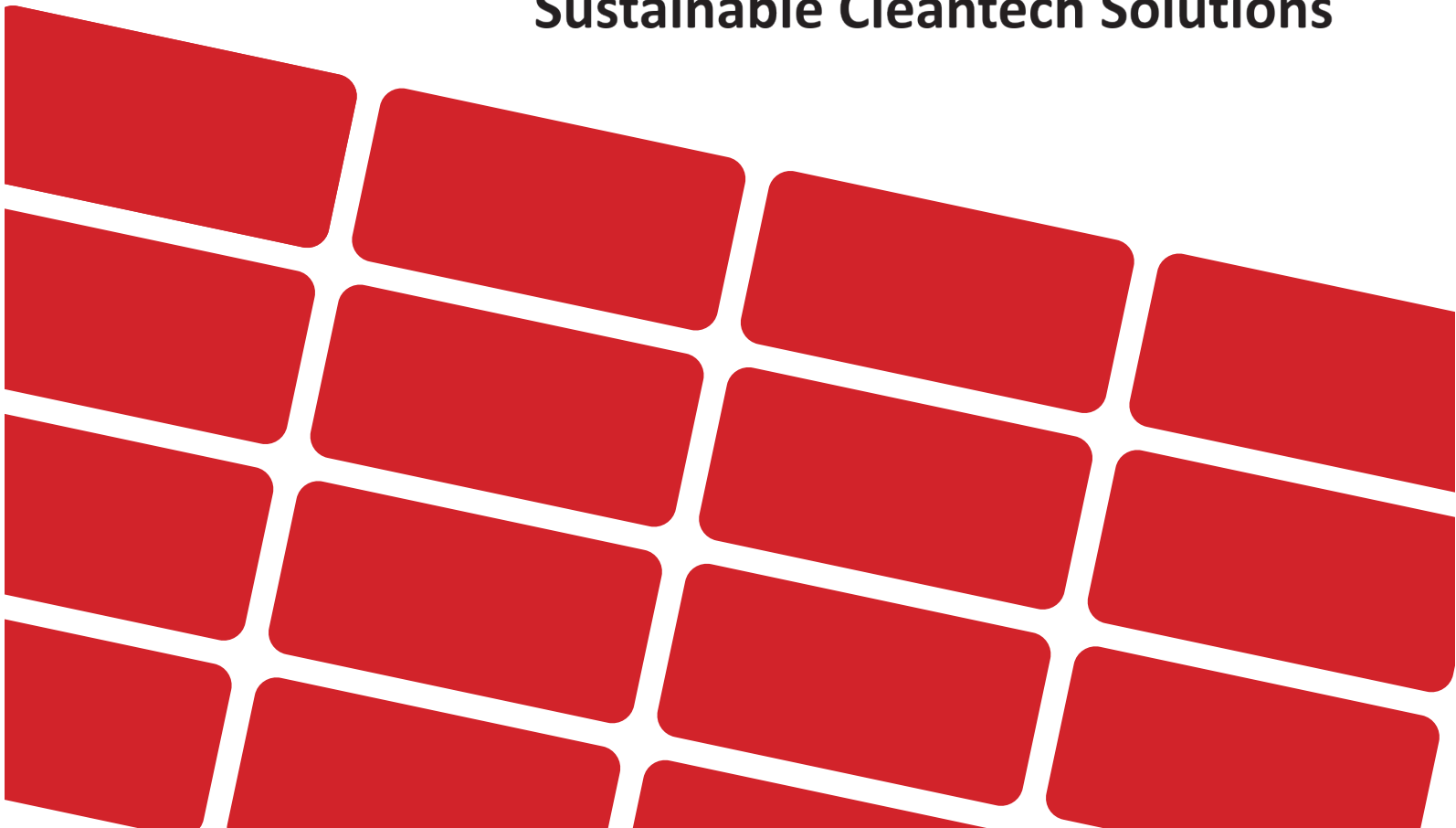
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CLAROTM
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About Us

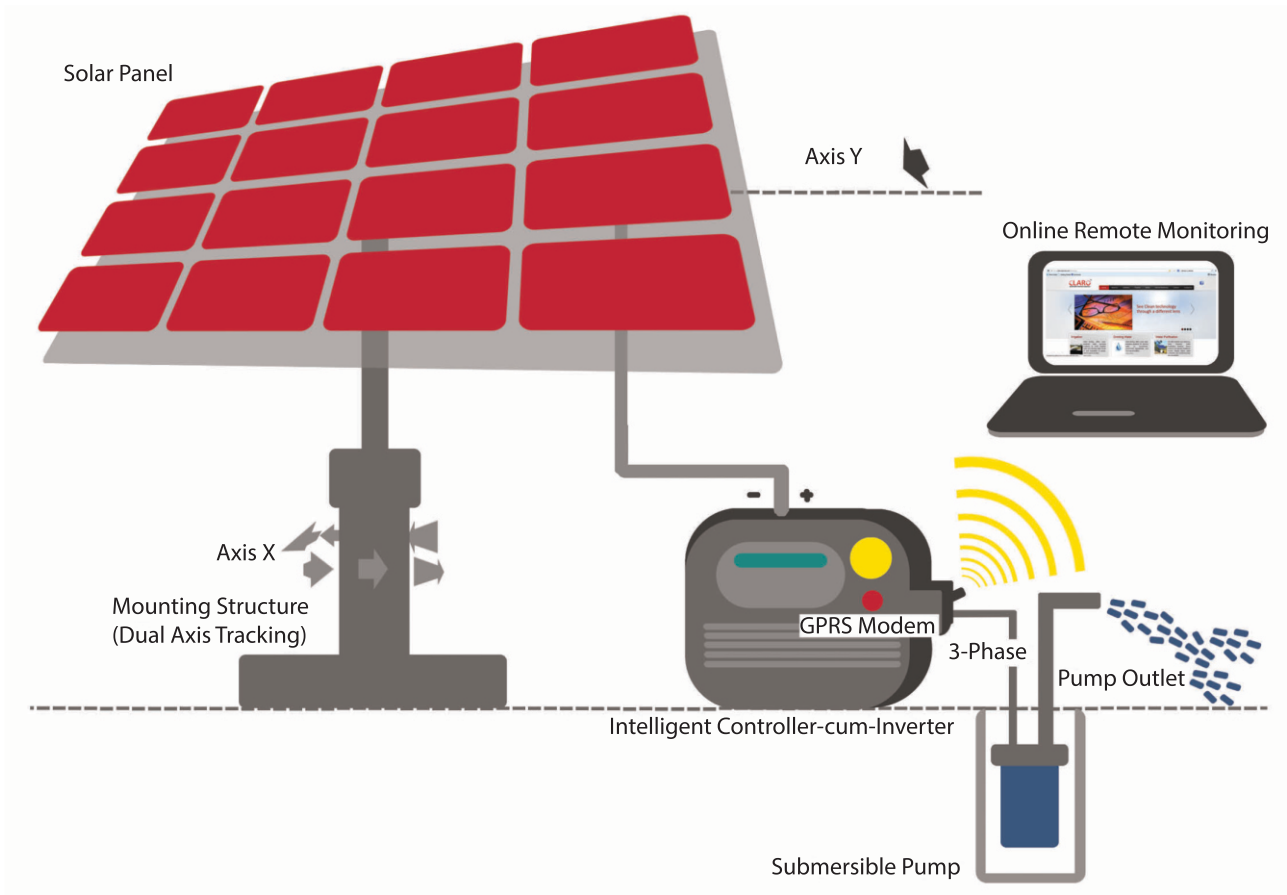
Claro Energy is a India's leading solar water pumping solutions provider. Our solutions find application in irrigation, drinking water distribution and water purification in electricity deficit rural areas where diesel generators are the primary means of power supply.

The solution is sustainable, pollution free, has no operating costs, and has a short payback period when compared to diesel. With a large Pan-India installed base of solar pumps ranging from 1 HP to 20 HP,Claro Energy is enhancing the prosperity of thousands of rural farmers.



From Sun to Water

Claro has engineered solutions to use solar energy to power both AC and DC pumps. Below is a schematic of the solar water pump system:



Claro's intelligent controller and variable frequency drive solution facilitates optimized system configuration, which is more reliable and low in cost.

Applications

Drinking Water

Irrigation

Livestock

Fisheries

Negligible maintenance | Zero running cost | Existing pumps can be solarised | Huge savings on diesel

System Configurations

Motor Capacity	Pumping System	Solar PV array	Discharge at a base Head	
			Total Head (m)	Water Output (Lit/D)*
1 HP	Shallow well (Surface)	900	10	77,000
	Deep well (Submersible)	1200	30	34,000
2 HP	Shallow well	1800	10	154,000
	Deep well	1800	30	51,000
3 HP	Shallow well	2700	20	115,000
	Deep well	3000	50	51,000
5 HP	Deep well	4800	50	82,000
* Water output figures are on a clear sunny day with three times tracking of PV panel when solar radiation on horizontal surface is 5.5 KWH/sq. m/day. Discharge rate is approximate. The water output figures also vary with total head and other local conditions. As total head decreases, the discharge rate increases and vice-versa.				
Customized Systems up to 80 HP are also available				

Additional Features

Movable system

- Enables irrigation of sparsely distributed lands
- Enables sharing of system
- Maximizes productive use of the solar asset

Online Remote Monitoring system

- Diagnoses Problem
- Enables monitoring and control of performance on PCs and smartphones
- Facilitates system ON and OFF through SMS

Multiuse system

The system provides power outlets for:

- Battery and cell phone charging
- Operating selective home and agricultural appliances

Multiple Power Input

In addition to solar energy, the system can be powered with grid or other electricity sources

Reliable and Hassle free power supply | Reliable post sale service | Can be used with drip and sprinkler irrigation

Our Certifications