

Solar Rural Drinking Water Supply

Requirement

- 1) Provide drinking water to village
- 2) Water requirement up to 10,000 litres per day with maximum pumping head of 90 m

Technical specifications

Sr.	Particular	Value
1	Individual Pump capacity	0.5 kW (0.75 hp) - 1.4 kW (2 hp)
2	Pumping Head	up to 90 mtr
3	Solar module capacity	300 Wp - 1800 Wp
4	Pump type	Dual (Solar cum Hand pump)
5	Water tank capacity	up to 10,000 ltr
6	Stand Post	as per requirement
7	Input Power	Hybrid - AC/DC
8	Discharge	up to 50,000 ltr

Features

- Best suitable for small village / remote hamlet
- Integrated hand pump and solar pumping system both can operate
- Water distribution Pipeline & can be laid as per requirement
- 25 years of solar module life
- Easy to operate and maintain

Benefits

- Independent of availability of grid and power quality
- Inbuilt protections ensures higher pump life
- Same pump can be operated on grid during night time if required
- High system uptime and availability
- Negligible maintenance
- No Hardship



Hand Pump



Stand Post



Rural Water Supply Sheme



Rural Water Supply Sheme

This solution ensures 24x7 drinking water supply to small villages. This innovation helps to overcome the hardships specifically of women.