

SOLAR P V WATER PUMPING PROGRAMME

1. The Govt of India has selected the Andhra Pradesh State as one among the three States for providing 24 x 7 power supply to domestic consumers.
2. In AP State, around 300 sunny days in a year with Solar Insolation of 5.5 to 6.0 KWh/m² is available, which is next to Rajasthan and Gujarat States.
3. The Govt of Andhra Pradesh is focusing on the development of solar energy projects/programs including Solar P V Pump Sets for Irrigation purpose in large scale in the State.
4. The Govt of Andhra Pradesh has launched a major programme for irrigation with Solar Powered Pumps during the year 2014-15.
5. The Ministry of New & Renewable Energy (MNRE), Govt of India, New Delhi has allotted 31,725 nos of Solar Pumpsets of 3 HP and 5 HP Capacity to Andhra Pradesh State with Central Financial Assistance (CFA) for the years 2015-16 to 2017-18.
6. The Solar PV Pumping programme is being jointly implemented by M/s. NREDCAP along with APDISCOMs/ Agricultural Department / Fisheries Department. The beneficiaries are being selected by the concerned departments from the pending/new applications for Irrigation purpose.
7. NREDCAP has completed the installation of 29,525 nos of Pumpsets under both General and NTR Jalasiri Programme.
8. The latest Cost, Subsidy, DISCOMs/ Agricultural / Fisheries Departments share and Beneficiary contribution details are as follows.

| S.No | Model/Capacity | Unit Cost (Rs) | Beneficiary Share (Rs) | Funding by DISCOMs/Agricultural/Fisheries Dept (Rs) | MNRE Subsidy (Rs) |
|-------------|------------------------------|-----------------------|-------------------------------|--|--------------------------|
| 1 | 3 HP – AC Submersible | 2,36,999/- | 40,000/- | 1,21,999/- | 75,000/- |
| 2 | 3 HP – AC Surface Mounted | 2,33,910/- | 40,000/- | 1,18,910/- | 75,000/- |
| 3 | 5 HP – AC Submersible | 3,24,000/- | 55,000/- | 1,84,000/- | 85,000/- |
| 4 | 5 HP – AC Surface Mounted | 3,10,300/- | 55,000/- | 1,70,300/- | 85,000/- |

The above cost is inclusive of Supply, Installation and Commissioning of Complete Solar PV Pumping System comprising of SPV modules, VFD/Inverter, Remote Monitoring arrangement, AC Submersible / Surface Pump, Mounting Structure, Manual Tracking, Cables, HDPE Pipe etc., as per MNRE technical specifications, inclusive of CMC and insurance for 5 years period on turnkey basis.

9. NREDCAP is planning to complete the balance installation of the allotted quantity of 31,725 by Oct 2018.