

## SOLAR P V WATER PUMPING PROGRAMME FOR IRRIGATION PURPOSE

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.

In AP State, around 300 sunny days in a year with Solar Insolation of 5.5 to 6.0 KWh/m<sup>2</sup> is available, which is next to Rajasthan and Gujarat States.

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.

The Govt of Andhra Pradesh has launched a major programme for irrigation with Solar Powered Pumps during the year 2014-15.

The Solar Pumpsets will work in the day time so that the farmers need not to go to fields in the night time. The Solar Pumpset can be installed in the remote areas, where there is no feasibility for laying of conventional power lines.

The Ministry of New & Renewable Energy (MNRE), Govt of India, New Delhi has allotted 31,275 nos of Solar Pumpsets to Andhra Pradesh State with Central Financial Assistance (CFA) for the years 2015-16 to 2018-19.

The Solar PV Pumping programme is jointly implemented by M/s. NREDCAP along with APDISCOMs/ Agricultural Department / Fisheries Department. The beneficiaries are selected by the concerned departments from the pending/new applications for Irrigation purpose.

NREDCAP has installed 31,275 nos of Pumpsets with Central Financial Assistance (CFA).

The allotment under PM KUSUM scheme from MNRE, GoI is awaited for further implementation. However, as per the **benchmark cost** of MNRE the Cost, Subsidy, Beneficiary contribution will be as follows.

Sl. No	Model/Capacity	Unit Cost (Rs)	CFA/subsidy of MNRE (30%) (Rs)	Subsidy of State Govt. (30%) (Rs)	Beneficiary Contribution (40%) (Rs)
1	3 HP AC Surface Mounted/ Submersible Solar Pumpset	2,01,000/-	60,300/-	60,300/-	80,400/-
2	5 HP AC Surface Mounted/Submersible Solar Pumpset	2,80,000/-	84,000/-	84,000/-	1,12,000/-
3	7.5 HP AC Submersible Solar Pumpset	4,20,000/-	1,26,000/-	1,26,000/-	1,68,000/-

**NREDCAP - TADEPALLI - SPV PUMPSETS**

<b>Statement showing the details of Solar P V Pumpsets installed with CFA as on 31-08-2019</b>		
<b>Sl. No</b>	<b>Name of the District</b>	<b>No. of Pumpsets installed</b>
1	Srikakulam	1697
2	Vizianagaram	4225
3	Visakhapatnam	2516
4	East Godavari	3256
5	West Godavari	1357
<b>Total APEPDCL</b>		<b>13051</b>
6	Krishna	2584
7	Guntur	2311
8	Prakasam	6358
9	Nellore	3186
10	Chittoor	1365
11	YSR Kadapa	350
12	Kurnool	1290
13	Anantapur	780
<b>Total APSPDCL</b>		<b>18224</b>
<b>Grand Total</b>		<b>31275</b>