

Guidelines for Solar Stand Alone Off-grid Scheme in Rajasthan

1. Introduction:

Rajasthan state with approximately 325 clear sunny days is having a huge potential for development of stand alone off grid applications. The programme of providing electricity in far flung villages of state, where either conventional grid is not a viable solution or where grid connectivity would take substantive time in near future.

2. Nodal Agency:

Rajasthan Renewable Energy Corporation Limited will be the Nodal Agency for implementation of this scheme.

3. Scheme:

The scheme is to provide solar stand-alone off grid systems to fulfil minimum electricity needs of individual house holds of un-electrified villages/Dhanis of State.

37 W_P {Watt Peak} and 100 W_P {Watt Peak} systems will be provided under stand alone off grid scheme.

4. Benefits of the schemes:

- (i) The consumption of power is at generation point itself.
- (ii) Villagers of un-electrified villages/dhanis will be able to cater their minimum energy needs like illumination, fan and mobile charging with 100 Wp system & for lighting purpose 37 Wp system may be used.
- (iii) Solar systems are Eco friendly.

5. Subsidy Pattern:

Subsidy support for 37 W_P & 100 W_P systems will be Rs 5000/- and Rs 10000/- respectively. Bigger capacity systems {>100 Wp} will have subsidy support limited to maximum of Rs 10000/- only. Balance cost will have to be borne by beneficiary.

6. Methodology:

6.1 Selection of villages:

Nodal Agency will take up these schemes in those un-electrified villages/dhanis which will be recommended by the Discoms on the basis of non feasibility of providing electricity through conventional grid system.

6.2 Empanelment of vendors:

Nodal agency will finalize the vendors for supply, installation, commissioning and maintenance of solar stand alone off grid systems with five years AMC through competitive bidding by e-tendering process.