

Revised Scheme on
“Demonstration and Promotion of Solar Photovoltaic Devices/ Systems in Urban Areas & Industry”
(Major focus on Roof top SPV Systems)

Salient Features & Financial Support

Systems mainly for electricity conservation

(Target 750 kW during rest of 11th Plan)

- Solar street lights
- Solar traffic signals
- Solar blinkers
- Solar power packs/inverters
- Solar illuminating hoardings/ Bill boards
- Other systems of community use as felt necessary by Implementing Agencies

@ Rs. 150 per watt of SPV panels upto a capacity of 1 kW each with required storage batteries (preferably 6 hours) to a maximum of 50% of cost of system to urban local bodies/ SNAs/ Institutions not availing depreciation benefits and

@ Rs. 100 per watt to a maximum of 33% of the cost of systems with similar conditions to commercial establishments/ industry availing depreciation benefit

In specific cases, where battery storage is not required, the support will be @ Rs. 115 per watt and Rs. 75 per watt respectively:

Maximum capacity of the systems to be supported in a State will not be more than 1/5th of the target for a particular year, out of which not more than 1/5th capacity will be supported in a single Urban Local Body. Support for solar street lights will be limited to 50% of total capacity of SPV Systems / devices in an Urban Local Body supported under the scheme.

Implementing Agencies will be free to decide about the capacity and other specifications of systems to be installed in their area.

Roof Top Systems for diesel abatement

(Target : 4.25 MW during rest of 11th Plan)

(for diesel abatement in Institutions, Govt. Buildings, Commercial establishments e.g. Malls, Hotels, Hospitals, Nursing homes, Industry & Housing complexes facing huge power shortage during daytime)

@ Rs. 75 per watt of SPV panels to a maximum of 30% of the cost of systems to profit making bodies who can also avail accelerated depreciation benefits and

@ Rs. 100 per watt to a maximum of 40% of the cost of systems to non-profit making bodies

Systems could be with or without grid interactive. Support will be available for systems capacity varying between 25 to 100kW. No restriction of targets to States. Proposals in prescribed format to be considered on first-cum-first basis through SNAS.

Benefits

- Will pay back the cost in 5 to 6 years
- Life : 25 to 30 years
- No air and noise pollution
- No moving parts and zero maintenance except cleaning of SPV panel once in a while
- Beneficiary to decide supplier on cost and quality competitive basis. List of suppliers available at Ministry's website
- A 100 kW capacity Roof Top system could save around 50,000 liters of diesel per year

Note: Scheme being issued vide Sanction No. 3/7/2008-UICA(SE) dated 17th February, 2009.