

PROCEEDINGS OF THE GOVERNMENT OF KARNATAKA

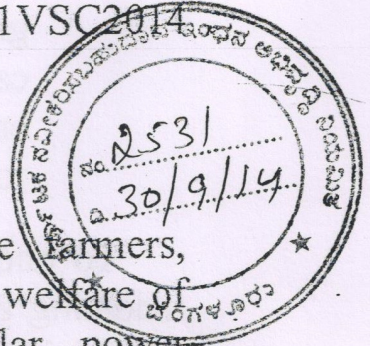
**Sub:** Guidelines for 'Surya Raitha Scheme'- Grid Connected Solar powered irrigation pump sets under small PV power plant on Net metering basis.

**Read:** Solar Policy 2014-21 vide Notification No EN 21VSC2014  
**Dtd:** 22.05.2014.

\*\*\*\*\*

**Preamble:**

First time in the history as a boon to the farmers, Government of Karnataka is taking a step towards welfare of farmers in the field of irrigation through Solar power development. The scheme shall be called as 'Surya Raitha' Scheme.



Through this Scheme the farmers having 10kWp Solar power can earn nearly Rs.50,000/- per annum apart from his self consumption for irrigation, which augments his revenue sources.

Solar power is considered as one of the alternatives to augment the current source, as it is a green source of Energy and to harness the potential of Solar Energy, Government has revised the Solar Policy 2011-16 and issued revised Solar policy 2014-21 Dated: 22.05.2014.

The State provides free power to the agriculture sector. As a result, the subsidy towards agriculture consumption has shown an increasing trend year on year.

The revised Solar Policy 2014-2021 promises Solar power adoption in the industrial, commercial and residential segments for rooftop PV systems. On the same lines the benefit shall be extended to the farmers who are, otherwise, denied of benefits of Government schemes. Solar powered irrigation system can be a suitable alternative for farmers in the present state of energy crisis.

*Handwritten notes:*  
AGM (SOG2)  
07/10/14

➤ The water requirement for farming varies all through the year and farmer does not need electricity to run his

pumps all day, every day or all seasons, while the Sun is available all through the year for harnessing Solar energy.

- The excess Solar generation available is pumped to the grid that will add generation capacity to the grid and can be a source of the revenue of the farmer, thus encouraging farming and same time giving a solution for energy crisis.

To encourage the farmers to efficiently use the power by adopting better irrigation, thereby conserving water as well as electricity while earning by Solar power Generation and pumping into the grid and facilitate development of the Solar pump sets on Net metering basis taking into the provisions of segment 2 and 3 of recently announced Solar policy 2014-21 Dated 22.05.2014.

After detailed examination of the proposal, the following order is issued:

Government Order No: EN 69 VSC 2014

Bangalore Dated: 20.09.2014.

Under the circumstances explained in the preamble, Government issues the following set of guidelines to be adopted by the ESCOMs and KREDL for implementation of for Grid Connected Solar powered irrigation pump sets under small PV power plant on Net metering basis.

1. The scheme shall be called as 'Surya Raitha' Scheme.
2. This scheme is proposed for the irrigation pump sets on the dedicated agricultural IP feeders.
3. This is applicable for IP sets to the extent of 10HP capacity which requires Solar generating capacity of 10kWp.
4. The existing power supply schedule to feeder will continue.

5. All Solar powered pump set installations will be provided with net metering facility.

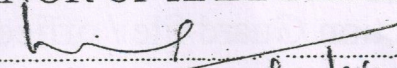
a. Net metering concept for roof top solar power announced by the KERC shall be adopted here.

b. The net metering mechanism shall account for the agriculture pump set consumption and the Solar power injection, permitting grid support for the excess / shortfall between the generation and consumption.

c. The monthly consumption shall be accounted and commercial settlement will be done half yearly.

d. For investment farmer can avail soft loan from Banks and subsidy from MNRE.

BY ORDER AND IN THE NAME OF  
GOVERNOR OF KARNATAKA,

  
(K.L. RAMACHANDRA)

DEPUTY SECRETARY TO GOVERNMENT,  
ENERGY DEPARTMENT

☎ 22034679.

**To:**

The Compiler, Karnataka Gazette, Bangalore for publication in the Gazette.

**Copy to:**

1. The Managing Director, KPTCL, Kaveri Bhavan, Bangalore.
2. The Managing Director, KPCL, Shakthi Bhavan, Bangalore.
3. The Managing Director, BESCOM/MESCOM/CESC /HESCOM/GESCOM/KREDL.
4. The Secretary, Karnataka Electricity Regulatory Commission, Bangalore.
5. Executive Engineer - 2, EMC, Energy Department.
6. P.S. to Hon'ble Minister for Energy, Vidhana Soudha, Bangalore.
7. P.S to the Chief Secretary to Government, Vidhana Soudha, Bangalore.

8. P.S. to Additional Chief Secretary to Government, Energy Department.
9. P.S to the Additional Chief Secretary to Government, Urban Development Department, Vikasa Soudha, Bangalore.
10. P.S to the Principal Secretary to Government, Finance Department, Vidhana Soudha, Bangalore.
11. P.S to the Principal Secretary to Government, Revenue Department, M.S.Building, Bangalore.
12. P.S to the Principal Secretary to Government, Forest, Ecology and Environment Department, M.S.Building, Bangalore.
13. P.S to the Principal Secretary to Government, C&I, Vikasa Soudha, Bangalore.
14. P.S to the Principal Secretary to Government, Water Resource Department, Vikasa Soudha, Bangalore.
15. P.A. to Deputy Secretary to Government, Energy Department.
16. Section Guard file / office copy / Spare copies.