

5. **Solar Power:**

- (i) Generation based incentive linked to CERC announced tariff guidelines for projects connected at 11kV and below.
- (ii) For projects connected at 33kV and above — National Vidyut Vyapar Nigam (NVN) to purchase power at a rate fixed by CERC

**KPMG Report on solar energy**

2902. SHRIMATI VASANTHI STANLEY: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether Government has taken cognizance of a KPMG Report on solar energy;
- (b) what quantum of energy would be generated through solar sources during the next ten years; and
- (c) what financial support would be provided by the Central Government to State Governments to boost solar energy generation?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) Yes, Sir. KPMG has released a report on solar energy, which has projected significant growth in next ten years.

(b) Under the Jawaharlal Nehru National Solar Mission, Government has set a target to set up 20,000 MW of grid connected solar power plants and 2,000 MW of off-grid solar projects by 2022.

(c) Government has announced a scheme to provide generation based incentive to the State utilities/distribution companies to purchase solar power from the project developers. In addition, Government has announced another scheme on bundling of solar power by NTPC Vidyut Vyapar Nigam (NVN), with thermal power available from the unallocated quota of NTPC stations and sell the bundled power to the States at the bundled price.

**Private investment in solar energy sector**

2903. SHRI N.K. SINGH:

SHRIMATI SHOBHANA BHARTIA:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the details of private equity investment in the solar energy sector, as on date;
- (b) the details of the average time taken in clearing investment plans and actual capacity addition done;

(c) the capacity addition done from private investors for solar energy in the first years of the current plan period and so far; and

(d) the total power capacity addition in megawatts from solar energy sources expected to be added during the Eleventh Five Year Plan period?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) Grid connected solar power projects are set up by solar project developers on build, own and operate basis. So far, about 826 MW capacity have been selected under various schemes of the Ministry. Assuming an equity to the tune of 30% by the project developers in financing of these projects, an investment of Rs. 3,200 crore is estimated to have taken place.

(b) The solar photovoltaic power projects were given a period of 12 months for installation and commissioning, while solar thermal power projects were given 28 months (after selection process which takes on an average 2 – 4 months' time period). So far, 45.5 MW capacity has been installed and commissioned.

(c) A capacity addition of 45.5 MW has been achieved during 2009-10 and 2010-11 and till date during current financial year.

(d) About 200 MW cumulative capacity is expected to be completed by the end of Eleventh Plan period under various programmes of the Ministry.

#### **Progress of rural electrification**

2904. SHRI PRAKASH JAVADEKAR: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that rural electrification in most of the States under the Rajiv Gandhi Grameen Vidyutikaran Yojana has still not been completed;

(b) if so, the reasons therefor and the details thereof, State-wise; and

(c) what action Government proposes to take in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI K.C. VENUGOPAL): (a) Under Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY), 576 projects targeting electrification of 1.10 lakh un/de-electrified villages and release of electricity connections to 2.33 crore BPL households have been sanctioned in the country. Cumulatively, the electrification works in 98,612 un/de-electrified villages have been completed and electricity connections to about 1.69 crore BPL households have been released, as on 31.07.2011. The Bharat Nirman target for RGGVY is to electrify 1.00 lakh un-electrified villages and release of connections to 1.75 lakh BPL households by March, 2012. The details of coverage and achievement of electrification of un/de-electrified villages and release of BPL connection is given in Statement (See below).