

**GOVERNMENT OF INDIA  
NEW AND RENEWABLE ENERGY  
LOK SABHA**

UNSTARRED QUESTION NO:4817  
ANSWERED ON:04.05.2012  
SOLAR ENERGY CENTRE  
Siddeswara Shri Gowdar Mallikarjunappa

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

- (a) the number of panels installed at Solar Energy Centre (SEC) to reduce the electricity bill and generate electricity;
- (b) whether there has been any saving in the payment of electricity charges during the last three years; and
- (c) if so, the details thereof and if not, the reasons therefor?

**Answer**

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a): A 20 kWp Photovoltaic (PV) roof mounted power plant has been installed and commissioned at Solar Energy Centre in standalone configuration during March 2010. The electricity generated by a number of different PV technology modules installed in the Photovoltaic (PV) Test Bed for evaluating their long term performance under actual field conditions is also stored in batteries for further use.

(b)&(c): The electricity generated of around 53000 units during the period March 2010 to March from such experimental set ups has been used during the times of power cuts or grid instability, and has improved the reliability of power supply to the critical loads at SEC significantly. This has helped in the operation of a few setups effectively and have also resulted saving of equivalent amount of electricity either from the grid or from diesel generators.