

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

UNSTARRED QUESTION NO:825

ANSWERED ON:01.03.2013

SWITCHING OVER TO SOLAR ENERGY SECTOR DUE TO DIESEL PRICE HIKE

Mani Shri Jose K.

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

- (a) whether several commercial establishments are now switching over to the solar solutions for their captive power needs due to diesel price hike;
- (b) if so, the details thereof;
- (c) whether the solar energy sector is geared to meet the emerging needs of the farmers looking for a viable option to operate their pump sets;
- (d) if so, the details thereof; and
- (e) the details of contingency plans to make use of the windfall opportunity that has emerged for the solar energy sector?

Answer

MINISTER FOR NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a)& (b) Yes Madam. Various commercial establishments like industries, hotels, nursing homes, financial institutions are installing Off-grid solar PV power plants upto 100 kWp capacity to meet their power needs.

(c),(d)&(e) The Ministry is promoting SPV pumping systems in capacity range of 200 Wp to 5 kWp in the country. A typical solar PV pump of capacity 900 Wp could provide a minimum of 77000 liters of water per day from a total head of 10 mtrs. Similarly, 4800 Wp capacity solar pump can provide 82000 liters of water per day from a total head of 50 mts. 8826 solar pumps have already been installed in various States of the country for irrigation and other uses till 31.01.2013.

In order to encourage the inc/eased use and installation of Off-grid solar devices, the Ministry, under Off-grid and Decentralized Solar Application scheme of JNNSM provides a subsidy of 30% of the project cost ranging from Rs. 39/- to Rs. 81/- per watt peak for off-grid SPV systems/ power plants depending on their capacity and configuration in general category States. The Ministry also provides a subsidy 30% cost of the project limited to Rs.150 per watt peak for installation of micro/mini-grid SPV power plants of unit capacity upto 250 kWp.