

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

UNSTARRED QUESTION NO:5707
ANSWERED ON:30.04.2010
USE OF SOLAR ENERGY
Mahato Shri Narahari

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

- (a) whether the Government proposes to use solar energy in the Union and State Government offices in the country;
- (b) if so, the details thereof alongwith the quantum of power likely to be saved thereby;
- (c) whether the suitable and sufficient number of solar panels are available for the purpose;
- (d) if so, the details thereof and if not , the reasons therefor; and
- (e) The steps taken or proposed to be taken by the Government in this regard?

Answer

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

- (a): There is no such proposal. However, it is possible to use solar energy systems in Government offices to meet the day time requirements of lighting. At present, this is expensive. The Ministry encourages use of solar panels where diesel is being currently used and installation of solar water heaters where hot water is used.
- (b): On an average a 1 kWp capacity solar photovoltaic power plant can generate and accordingly save about 1400-1600 units of electricity in a year, depending upon solar radiation available in the region. A commonly used 100 litres per day capacity solar water heater can save about 1200 units of electricity in a year.
- (c),(d)&(e): It is not desirable to install solar energy systems in all the offices in a short period of time due to the present high costs of such systems. However, sufficient production capacity is available in the country to install solar thermal collectors and solar photovoltaic modules.