

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

UNSTARRED QUESTION NO:696

ANSWERED ON:25.11.2011

WIND AND SOLAR ENERGY

Ponnam Shri Prabhakar;Singh Shri Dushyant

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

- (a) the total potential of wind and solar energy in the country, State/UT-wise including Rajasthan;
- (b) the quantum of power generated by wind and solar energy in the country during each of the last three years and the current year, source-wise and State/UT-wise;
- (c) the details of proposal received from various State Governments for setting up of new wind and solar energy projects; and
- (d) the steps taken by the Government on such proposal?

Answer

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

(a): As per the Wind Atlas published by the Centre for Wind Energy Technology (C-WET), the wind power potential in the country has been estimated to be 49,130 MW. The State-wise breakup is given at Annexure – I.

Regarding solar energy, most parts of India receive 4–7 kilowatt hours of solar radiation per square metre of area per day with 250–300 sunny days in a year. On an average, in one square Km. land area about 30-50 MW capacity solar plant can be set-up.

(b): The State-wise wind and solar power installed capacity during each of the last 3 years and the current year up-to October, 2011 is given at Annexure – II and Annexure III respectively.

(c)&(d): For installing wind power projects, the State Governments are not required to submit proposals to this Ministry and they can do so under their own policies.

As regards solar power, Ministry is implementing Jawaharlal Nehru National Solar Mission (JNNSM) to set-up 1,100 MW capacity grid connected solar power projects by March 2013. Under JNNSM, projects are being set-up on build, own, and operate basis for which selection is through tariff discounting process. In addition, the State Governments can also support solar power projects through their policies.