

**GOVERNMENT OF INDIA**  
**MINISTRY OF NEW AND RENEWABLE ENERGY**  
**RAJYA SABHA**  
**QUESTION NO 21.12.2009**  
**ANSWERED ON**  
**POTENTIAL OF SOLAR AND WIND ENERGY**

3493

Smt. Jayanthi Natarajan

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

- (a) whether Government has conducted any survey to find out the potential of solar energy and wind energy in Tamil Nadu;
- (b) if so, the details thereof;
- (c) the extent to which this potential is being tapped in the State, at present; and
- (d) the action Government proposes to take to fully tap the potential of solar energy and wind energy in the State?

**ANSWER**

THE MINISTER OF NEW AND RENEWABLE ENERGY

(DR. FAROOQ ABDULLAH)

(a):Yes, Sir.

(b):India Meteorological Department (IMD) measures solar radiation in the country including Tamil Nadu. As per IMD reports, the State of Tamil Nadu receives on an annual average basis solar energy up to 5.5 kilowatt-hour per square meter of area. The Centre for Wind Energy Technology undertakes the wind resource assessment studies in the country including Tamil Nadu. The wind power potential in Tamil Nadu has been estimated to be 5530 MW.

(c):Recently, two grid interactive solar power projects of aggregate capacity of 6 MW have been allocated to the State. In addition, a number of decentralized solar applications have been deployed under various programmes of the Ministry. The cumulative installed capacity of wind power in Tamil Nadu so far is 4584MW.

(d):The Government has recently launched Jawaharlal Nehru National Solar Mission which unveils an enabling policy framework for deployment of grid connected solar power and also off-grid solar systems for various applications for tapping the potential in the country including Tamil Nadu. The Government has been promoting wind power projects through private sector investment in the country including Tamil Nadu by providing fiscal incentives, loan from Indian Renewable Energy Development Agency (IREDA) and other financial institutions. This apart, preferential tariff is being provided to increase wind energy investment in the potential states including Tamilnadu. Recently, Government has approved for the 11th plan period, General Based Incentive for electricity from wind power projects to run concurrently with the benefit of accelerated depreciation, but in a mutually exclusive manner.