

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

UNSTARRED QUESTION NO:5765

ANSWERED ON:30.04.2010

WIND ENERGY POTENTIAL

M.Thambidurai Dr. ;Ramasubbu Shri S.;Semmalai Shri S.

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

(a) whether the Government has conducted any survey/study to ascertain the potential of wind energy generation in the Southern States including the coastal areas of Tamil Nadu;

(b) if so, the details thereof;

(c) whether any Wind Resource Assessment Studies Carried out for off-shore sites in the country including Tamil Nadu, particularly at Dhanushkodi near Ramanathapuram to assess the wind energy potential; and

(d) if so, the details of the potential sites identified and follow-up action taken by the Government for generating wind energy through these sites?

Answer

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

(a) & (b): Yes, Madam. The Ministry has established wind monitoring stations through Centre for Wind Energy Technology, Chennai in the Southern States for carrying out Wind Resource Assessment Studies. The details are given at Annexure. Out of 69 wind monitoring stations established in Tamil Nadu, 6 are in the costal areas.

(c): No specific off-shore Wind Resource Assessment Studies have been carried out so far in the country including Tamil Nadu, particularly Dhanushkodi. However on land data was collected near Kodandaramar temple between Rameswaram and Dhanushkodi to study the wind resources in the region. The studies have revealed that there are good wind resources in the region and annual wind power density at 50 m above ground level at the location is about 426 watt/m² with an annual mean wind speed of 7.5 m/second. In addition, a 100 m tall mast is also planned to be established at Dhanushkodi to study the off-shore wind resource in the region.

(d): Not applicable.

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF THE LOK SABHA UNSTARRED QUESTION NO. 5765 FOR 30.04.2010.

List of Wind Monitoring Stations established by C-WET in the Southern States

State Number of wind monitoring
 stations established

Tamil Nadu	69
Kerala	27
Karnataka	48
Andhra Pradesh	64
Total	208