

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

UNSTARRED QUESTION NO:2246

ANSWERED ON:06.08.2010

WIND AND SOLAR POWER GENERATION

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

(a) the details of the targets set and the achievements made in regard to the wind and solar power generation during each of the last three years and the current year, State/UT-wise;

(b) whether any survey has been conducted by the Government for assessing the potential of both the wind and solar energy in the country including Tamil Nadu; and

(c) if so, the details thereof alongwith the locations identified so far for the setting up of such projects in the country, State-wise?

Answer

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

(a): The targets in wind power programme are not fixed state-wise. The details of targets and state-wise achievements in regard to the wind power projects in the country during last three years are given at Annexure-I.

Regarding solar energy, the Government has recently launched Jawaharlal Nehru National Solar Mission aiming at setting up of 20,000 MW grid solar power and 2,000 MW of off-grid solar power by 2022. The Mission would be implemented in three phases. The Government has approved implementation of the first phase of the Mission with the target to set up 1,100 MW grid connected solar plants including 100 MW of roof top and small solar plants and 200 MW capacity equivalent off-grid solar applications up to year 2012-13. The details of solar power plants established so far are given at Annexure - II

(b)&(c): Ministry through the Centre for Wind Energy Technology has taken up a wind resource assessment programme to assess wind power potential in the country including Tamil Nadu. As a result of the wind resource assessment, 233 wind potential locations have been identified so far. The state-wise details of wind potential locations are given at Annexure-III.

Regarding solar energy, the daily average solar radiation varies from 4-7 kwh per sq. met. depending upon the location in the country. This is being monitored by IMD at various locations in the country and data is available on the website of the MNRE and IMD. As the policy guidelines are already announced under Jawaharlal Nehru National Solar Mission, the states are expected to identify the sites for setting up solar power projects.