

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

STARRED QUESTION NO:113

ANSWERED ON:10.07.2009

WIND ENERGY GENERATION

Jindal Shri Naveen;Majhi Shri Pradeep Kumar

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

- (a) the targets fixed for generation of power from wind energy in the country during the Eleventh Five Year Plan;
- (b) the details of wind energy generated in the country during the Tenth Five Year Plan and at present and the cost thereof, year-wise;
- (c) the total installed capacity of wind energy plants so far set up in the country, project-wise and State-wise;
- (d) whether the Government has identified more locations for harnessing wind energy in various parts of the country;
- (e) if so, the details thereof, State-wise; and
- (f) the steps taken by the Union Government to expedite the process of setting up of such plants?

Answer

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

(a),(b),(c),(d),(e)&(f): A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN THE REPLY TO THE STARRED LOK SABHA QUESTION NO. 113 FOR 10.07.2009 ON "WIND ENERGY GENERATION"

- (a) A target of 10,500 MW has been fixed for installation of wind power projects during Eleventh Five Year Plan period.
- (b): A capacity of 5,456 MW was added from wind power projects during the Tenth Five Year Plan period. The year-wise details are given at Annexure-I. The cost of wind power projects is about Rs. 6.0 crore per MW depending upon location of the project and type of the machine.
- (c): The total installed capacity of wind power projects in the country as on 31.05.2009 is 10,330 MW. The state-wise details are given in Annexure-II.
- (d)&(e): A total of 216 locations have already been identified which are considered potential sites for installation of wind power projects. State-wise list of potential sites is given at Annexure-III. In addition, wind monitoring studies are going on at 90 locations in the country and suitability of these sites for wind power development will be decided after obtaining the results of the studies.
- (f): The steps taken by the Government to increase wind energy generation in the country are the provision of accelerated depreciation, concessional import duty on certain components of wind electric generator, excise duty exemption, ten years' tax holiday on income generated from wind power projects, loan from Indian Renewable Energy Development Agency (IREDA) and other financial institutions. Technical support, including detailed wind resource assessment to identify further potential sites, is provided by the Centre for Wind Energy Technology (C-WET), Chennai. This apart, preferential tariff is being provided by states to increase wind energy generation in potential States.

ANNEXURE I

ANNEXURE-I REFERRED TO IN REPLY TO PART (b) OF THE LOK SABHA STARRED QUESTION NO. 113 FOR 10.07.2009.

YEAR-WISE WIND POWER INSTALLED CAPACITY (MW) DURING TENTH FIVE YEAR PLAN

Years Capacity

2002-03 242

2003-04 615

2004-05 1,111

2005-06 1,746

2006-07 1,742

Total 5,456

ANNEXURE II

ANNEXURE-II REFERRED TO IN REPLY TO PART (c) OF THE LOK SABHA STARRED QUESTION NO. 113 FOR 10.07.2009.

STATE-WISE WIND POWER INSTALLED CAPACITY (as on 31.05.2009)

States	Capacity
(MW)	

Andhra Pradesh	123
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Gujarat	1587
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Karnataka	1340
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Kerala	27
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Madhya Pradesh	213
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Maharashtra	1961
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Rajasthan	738
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Tamil Nadu	4337
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Others	4
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Total	10,330
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