

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

UNSTARRED QUESTION NO:300

ANSWERED ON:03.07.2009

WIND ENERGY GENERATION

Siddeswara Shri Gowdar Mallikarjunappa;Swamygowda Shri N Cheluvaraya Swamy

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

- (a) whether there is immense potential of power generation from wind energy in the country;
- (b) if so, the details thereof, State-wise;
- (c) the total wind energy generation in the country at present; and
- (d) the steps taken by the Government to increase wind energy generation?

Answer

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

(a)&(b): Gross wind power potential in the country has been estimated at over 48,500 MW, based on the areas having wind power density of 200 Watts per square meter or more and assuming land availability in potential areas @ one percent and land requirement @ 12 hectares per MW. State-wise details of potential is given in Annexure-I.

(c): A total Wind Power capacity of 10242 MW has been installed in the country, till 31st March, 2009. State-wise details are given in Annexure-II.

(d): The Government promotes wind energy generation in the country through fiscal incentives such as accelerated depreciation, concessional import duty on certain components of wind electric generators, excise duty exemption, ten years' tax holiday on income generated from wind power projects, and 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 Ministry's Centre for Wind Energy Technology (C-WET), Chennai. This apart, preferential tariff is being provided to increase wind energy generation in the potential States.

ANNEXURE-I

ANNEXURE-I REFERRED TO IN REPLY TO PARTS (a) & (b) OF THE LOK SABHA UNSTARRED QUESTION NO. 300 FOR 03.07.2009.

Gross Wind Power Potential in the country

States Gross Potential
(MW)

Andhra Pradesh 8968

Gujarat 10645

Karnataka 11531

Kerala 1171

Madhya Pradesh 1019

Maharashtra 4584

Orissa 255

Rajasthan 4858

Tamil Nadu 5530

Total 48561

ANNEXURE-II

ANNEXURE-II REFERRED TO IN REPLY TO PART (c) OF THE LOK SABHA UNSTARRED QUESTION NO. 300 FOR 03.07.2009.

STATE-WISE WIND POWER INSTALLED CAPACITY

(as on 31.03.2009)

States	Capacity (MW)
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Andhra Pradesh	123
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Gujarat	1566
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Karnataka	1327
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Kerala	27
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Madhya Pradesh	213
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Maharashtra	1939
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Rajasthan	738
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Tamil Nadu	4305
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Others	4
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Total	10242
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